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Dear colleagues and friends.

Welcome to the Annual Congress of the European Academy of Allergy and Clinical Immunology.

For over two years, many colleagues have been working hard, with scientific seriousness and passion, to design a scientific programme that allows us to fulfil the challenge of the conference theme ‘Allergy: new answers to old questions’ and create a dynamic, practical and interactive Congress.

Specialists from around the world are here with us in Barcelona. The latest advances in mechanisms, prevention, diagnosis, pharmacoeconomics and treatment will be presented and discussed. The Clinical Village, new interactive workshops, a specific meeting on primary care and a session with patients are some of the new activities that will be held during the Congress: we will be sharing our knowledge and experiences with patients and health policy makers.

Juniors and seniors, basic and clinical researchers, patients and physicians, including many members of the Academy, will be united by our interest in allergic diseases. It will be a unique opportunity to team up: E pluribus unum.

This year we will also have the opportunity to enjoy some Mediterranean therapy. The Mediterranean cuisine, the relaxing atmosphere, the sea air, will all undoubtedly help make this Congress unforgettable.

The epidemic of allergic diseases is affecting more than 150 million Europeans and many, many more around the world. Allergies are a real public health problem. Our professional responsibility is to try to prevent, treat and even cure allergies. All the theoretical and practical knowledge shared in the coming days will impact our daily activity: trying to improve the quality of life of our patients.

For all of their efforts, we sincerely thank the Local Organising Committee, the Scientific Programme Committee, the Congress Faculty, the Clinical Village volunteers, the EAACI Executive Committee, EAACI Headquarters staff, our exhibitors and sponsors (particularly EAACI’s Founder Sponsors), our Congress organisation partners (K.I.T. Group, Interplan, Amex Barcelo and Vobe Event Consulting) and all those who have given the best of themselves to make this Congress a wonderful reality.

Enjoy the Congress! Enjoy Barcelona!

Victòria Cardona and Tomás Chivato
EAACI Congress 2015 Chairs

Dear EAACI friends.

On behalf of the European Academy of Allergy and Clinical Immunology, I am delighted to welcome you to Barcelona for the EAACI Congress 2015.

The Annual Congress has long been a highlight for a wide range of medical professionals from around the world and this year’s meeting will certainly be special. The Scientific Programme serves to enlighten and educate attendees with its diversity, detail and ability to cater to all audiences.

This year’s theme, ‘Allergy: new answers to old questions’, calls on us all to look back at some of the problems this specialty has faced and, more importantly, sheds new light on these issues as a result of the intensive research in our field.

When faced with difficulties, we often fall into a similar pattern of trying to find a meaningful solution that has worked in the past when, in fact, sometimes we need to completely change the way we approach a problem before attempting to solve it. Complacency has many sides, and falling into the trap of administering the same action in similar situations results in us forgetting to find new solutions to long-treasured issues.

Of course, where better can we find a combination of the old and the new than in Barcelona? This Mediterranean city is itself a melting pot of contemporary design mixed with centuries-old architecture. Lively and welcoming, it oozes culture, style and harmony; the perfect canvas to learn and discover new answers to old questions.

We are happy that delegates from almost 100 different countries are joining us, including 490 members of faculty with a passion for exchanging knowledge and discussing recent developments in allergy. Speakers from all over the world will share their knowledge in various fields and topics, and interact with delegates; I thank them for their precious input to the Congress.

Additionally, close to 2000 abstracts will be presented by young and senior scientists alike. This is the state-of-the-art of allergy research and a unique opportunity for all of us to look deep into the tomorrow of the theory and practice of allergology. Since the Congress is a major global platform for education and promotion of scientific excellence and advocacy on everything related to allergy, I am confident that these abstracts will drive development and patient care for the next 12 months.

As every year, the programme is packed with information and opportunities for interaction. There are many more sessions than one can possibly follow, so plan ahead and carefully to take advantage of this great opportunity.

There is also the Clinical Village where you will be able to attend practical demonstrations of different techniques, such as skin tests, oral food challenges, management of anaphylaxis, etc. The Clinical Village will be open on Saturday and Sunday.

To raise awareness about allergy and keep yourself fit, take part in the ‘Beat Allergy Run and Walk’, taking place on Sunday.

Welcome to our realm of exchange, debate and discovery. Welcome to the EAACI Congress 2015.

Nikos Papadopoulos
EAACI President
UPCOMING EVENTS

EAACI CONGRESS 2016

EAACI Congress 2016
11 - 15 June 2016
Vienna, Austria
www.eaaci2016.org

FOCUSED MEETINGS

Pediatric Allergy and Asthma Meeting (PAAM 2015)
15 - 17 October 2015
Berlin, Germany
www.eaaci-paam.org

ALLERGY SCHOOLS

e-PAD: EAACI Practical Allergy Diagnosis
27 - 29 August 2015
Moscow, Russia

Food Allergy Training Course
24 - 26 September 2015
El Escorial, Spain

Winter School on Basic Immunology Research in Allergy and Clinical Immunology
4 - 7 February 2016
Cortina d’Ampezzo, Italy

Specific Allergy and Allergen Immunotherapy
7 - 9 April 2016
Copenhagen Rungstedgaard, Denmark

Drug Allergy in Children
September 2016
Belgrade, Serbia

International Symposium on Molecular Allergology (ISMA 2015)
19 - 21 November 2015
Lisbon, Portugal
www.eaaciизма.org

Drug Hypersensitivity Meeting (DHM 2016)
21 - 23 April 2016
Malaga, Spain
www.eaaci-dhm.org

Food Allergy and Anaphylaxis Meeting (FAAM 2016)
13 - 15 October 2016
Rome, Italy
www.eaaci-faam.org

For more information visit www.eaaci.org
or contact events@eaaci.org
### Important Addresses

**EAACI Headquarters**  
Haegenholzstrasse 111  
3rd Floor  
8050 Zurich  
Switzerland  
Tel: +41 44 205 55 33  
Fax: +41 44 205 55 39  
info@eaaci.org  
www.eaaci.org

**EAACI – EU Liaison Office**  
Rue du Luxembourg, 22–24  
1000 Brussels  
Belgium  
Tel: +32 (2) 761 66 83  
EUoffice@eaaci.org

**Congress Venue**  
Centre de Convencions Internacional de Barcelona (CCIB)  
Plaça de Willy Brandt 11–14  
08019 Barcelona  
Spain  
Tel. +34 932301000  
www.ccib.es

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The European Academy of Allergy and Clinical Immunology (EAACI) is a non-profit organisation active in the field of allergic and immunologic diseases such as asthma, rhinitis, eczema, occupational allergy, food and drug allergy and anaphylaxis. EAACI was founded in 1956 in Florence and has become the largest medical association in Europe in the field of allergy and clinical immunology. It includes over 8,500 members from 121 countries, as well as 49 National Allergy Societies. Visit www.eaaci.org for more information.

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**EAACI Webcasts:**  
A practical resource in an interesting format!

- Exclusive to all EAACI members
- 24-hour access to experts' and outstanding researchers' work
- Over 120 webcasts to choose from
- Access to sessions of EAACI's major meetings

For more information visit www.eaaci.org
Allergic diseases are affecting the lives of more than one billion people worldwide and their prevalence is expected to reach up to 4 billion by the 2050s.

To tackle this huge global health problem, EAACI called on world leaders in the field to develop the Atlases as essential reference sources for multi-sectoral usage and as a comprehensive educational tool for all stakeholders dealing with allergies and co-morbid diseases.

59 chapters written by 80 world leaders in the field of asthma, 147 illustrations and 46 tables.

Available open access at www.eaaci.org/resources/scientific-output/global-atlas-of-asthma or follow the QR-code

139 chapters written by 183 world leaders, 274 illustrations and 100 tables.

Get your complimentary copy at the EAACI booth in the Entrance Hall.

154 chapters written by 191 world leaders in AR and CRS.

Will be launched during the EAACI Congress in Barcelona.
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139 chapters written by 183 world leaders, 274 illustrations and 100 tables. Get your complimentary copy at the EAACI booth in the Entrance Hall.

154 chapters written by 191 world leaders in AR and CRS. Will be launched during the EAACI Congress in Barcelona.

EAACI calls attention to the burden of allergic diseases
Beat Allergy Run/Walk
Join us for a 3km run/walk to keep fit during the EAACI Congress 2015 and to help us raise allergy awareness

Barcelona
Sunday, 7 June 2015 at 19:30
Start and Finish: CCIB Congress Centre
Registration: www.eaaci2015.com or on-site (Saturday June 6)

Complimentary entry but pre-registration required
All participants will receive a complimentary finisher T-Shirt
General Information

App information
The EAACI smartphone app is an innovative tool that redefines the way you visit and experience the EAACI Congress. Using your smartphone, you can explore the event programme and exhibition at your fingertips. The app allows you to:

- Browse, search and personalise the entire event programme.
- Search, and locate exhibitors in the Exhibition Hall.
- Access useful information about the Congress.
- Access Congress abstracts (from 6 June 2015).
- Evaluate speakers and sessions to provide your valuable feedback.
- Vote in sessions that have polls.
- Create and synchronise events with your personal calendar.

The app is updated daily and allows users to access information offline to avoid roaming costs. It can be downloaded from your app store and works with iOS and Android. Search for EAACI; if you previously downloaded the EAACI App, just select EAACI Congress 2015 under 'Available Events'. A dedicated, free WiFi connection is provided throughout the CCIB.

EAACI thanks Novartis for their sponsorship of the Congress App.

Badges
Each participant receives a name badge upon check-in at Registration. This badge should be worn at all times in order to gain entrance into session rooms and other events. Please note that access to any of the Congress areas will not be possible without an official name badge. If you have lost your badge, a new one can be purchased (with proof of your original registration) at the Registration Assistance Desk for EUR 60. Your badge will be scanned at the entrance to each session room. This is for internal EAACI statistical purposes and for CME accreditation.

Bank, cash machines and Post Office
You will find the nearest standard cash machine in the Diagonal Mar Centre, which is opposite the CCIB, at Avinguda Diagonal, 3–35, 08019 Barcelona. There is no cash machine inside the CCIB.

The nearest bank is the "Banco Popular" located in the Diagonal Mar Centre, at Avinguda Diagonal, 3–35, 08019 Barcelona. There is also a Post Office located in the Diagonal Mar Centre.

Continuing Medical Education (CME) Credits
EAACI 2015 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME), an institution of the European Union of Medical Specialists (UEMS) in cooperation with the European Board of Accreditation in Allergy and Clinical Immunology (EBAACI) to provide the following CME activity for medical specialists. The Congress is designated for 24 hours of European external CME credits (ECMECs). EACCME credits are recognised in Europe and by the American Medical Association (AMA) and the Royal College of Physicians and Surgeons of Canada towards the Physician's Recognition Award (PRA). To convert EACCME credits, please contact the respective national accreditation body for more information.

Your badge will be scanned at the entrance of each session for CME accreditation. After the Congress, you will receive a link and detailed information to download your certificate of CME.

Climate
Barcelona is located on the shores of the Mediterranean with a warm, welcoming climate and pleasant temperatures all year round. The average temperature in June is around 22 degrees Celsius.

Clinical Village
The Allergy Bazaar was a huge success at the EAACI Congress 2014 in Copenhagen and is returning by popular demand in Barcelona with a new name: the Clinical Village. Please find further information on page 25.

Cloakroom
A cloakroom is located in the Entrance Hall. It is free of charge for Congress attendees, with the following opening hours:

- Saturday, 6 June: 08:30 – 23:30
- Sunday, 7 June: 07:00 – 20:00
- Monday, 8 June: 06:30 – 20:00
- Tuesday, 9 June: 07:00 – 20:00
- Wednesday, 10 June: 08:00 – 14:00

Beat Allergy run/walk
Join us for a 3 km run/walk to keep fit during the EAACI Congress 2015 and help us raise allergy awareness. Further information can be found on page 9.

Certificate of Attendance
Your Certificate of Attendance can be downloaded from the Congress website (www.eaaci2015.com) from Friday, 12 June 2015. In order to download your certificate you will need your surname and unique name badge code (for example: ABC123), as printed on your name badge. For more details, please check the website or ask at the Registration Desk in the main Entrance Hall.

Congress scholarships
A Travel Reimbursement Form has been sent to the winners and costs will be refunded by bank transfer. The original receipts together with the form should be handed in on-site at the Speaker Registration Desk.

Currency
The local currency is the Euro (EUR).

Dress code
The dress code is informal throughout the Congress.

EAACI booth
We invite you to visit the EAACI booth located in the Entrance Hall, where information about the Academy, membership and future events is available. After the Congress, visit www.eaaci.org and catch up on the latest news about EAACI's activities and publications.

Opening hours of the EAACI booth:
- Saturday, 6 June: 08:30 – 19:00
- Sunday, 7 June: 08:30 – 17:30
- Monday, 8 June: 08:30 – 17:30
- Tuesday, 9 June: 08:30 – 17:30
- Wednesday, 10 June: 08:30 – 12:00
At the Hub you can:

- View webcasts of a selection of Congress sessions that you may have missed earlier in the Congress
  - Search for abstracts and e-posters
  - Take an opportunity to rate and comment on posters and webcasts
  - Search the Congress programme by topic or key words

The EAACI Virtual Congress Hub will be open from 09:00 – 17:30 on 7 – 9 June.

**EAACI Membership**

EAACI gives its members priority status at EAACI Congresses, Focused Meetings, and at all other EAACI events and activities. Members receive a 25% discount on the registration fee. Junior members are entitled to register for the Congress at an even lower fee. EAACI offers free Junior membership to individuals aged 35 or less (with online access to the journals Allergy and Pediatric Allergy and Immunology). In addition, EAACI also offers a 50% reduction of full membership fees to members from countries with a GNP of less than USD 10,000 per capita, with all membership benefits. As an EAACI member you will have access to all EAACI resources and be kept informed of the latest research and developments through our official journals: Allergy, Pediatric Allergy and Immunology and Clinical Translational Allergy. These journals contain editorials, review articles, original articles, educational series and more.

Why not join us and take part in the advancement of knowledge and the practice of allergy, asthma and immunology for optimal patient care? As a special offer during the EAACI Congress, apply for membership now and save 50% on the 2015 fee. For more information and to apply for membership, please go to www.eaaci.org or visit the EAACI Booth.

**Electricity**

The voltage in Spain is 220-240 volt. Round, European-style two-pin plugs are the common standard.

**Emergencies**

Please contact a member of Congress staff or security at the CCIB immediately in the case of a real or suspected emergency situation. The European emergency number applies in Spain, and callers should dial: 112.

**Exhibition**

The EAACI Congress 2015 in Barcelona includes an exhibition that will be open from 09:00 – 17:30 on 7 – 9 June. The Publishers’ Corner is located in the Exhibition Hall and the National Society Village can be found in the Entrance Hall. For more information regarding the exhibition and other sponsor opportunities, please visit the Congress website, use the Congress app, or ask any member of the Congress staff.

**First Aid**

There is a staffed First Aid room at the CCIB. Please follow the red cross signs down to level -1. Opening hours of the First Aid room:

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<td>Saturday, 6 June</td>
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<td>Wednesday, 10 June</td>
<td>08:00 – 14:00</td>
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The closest hospital is Hospital del Mar, Passeig Marítim 25-29, Barcelona 08003; phone: +34 93 248 30 00. Contact the General Information Desk in the Registration Area for more information.

**Flight check-in**

Flight check-in terminals will be available to delegates in the Registration Area, for online flight check-in. A printer will be available to print boarding passes. This service will be open from Tuesday, 9 June 15:00 to Wednesday, 10 June 13:00.

**Food and beverages**

Catering services are located in the Exhibition Hall. Coffee/tea or lunch is not included in the registration fee.

**Green Initiative**

EAACI has gone green. You can find out how we are making our Annual Congress more sustainable on page 14.

**Internet access**

For WiFi access, choose the EAACI 2015 network. There is no password required.

**Junior Members and Affiliates (JMA) Programme**

The EAACI Junior Members and Affiliates (JMA) Working Group promises several exciting opportunities at the EAACI Congress 2015 in Barcelona! All our Junior Members qualify for sizable discounts to be part of our profession’s most stimulating educational opportunities. See the daily programme for details of JMA activities.

**Language**

The official language of the Congress is English. All sessions in the Auditorium are simultaneously translated into Spanish.

**Local time**

The time zone in Barcelona is Central European Time (CET).

**Lost and found**

Please contact the General Information Desk in the Registration Area for personal belongings that have been lost or found.

**Mobile phone policy**

Please respect the Congress policy and keep mobile phones on silent in all meeting rooms, the Exhibition Hall and Poster Area.

**National Society Village**

National Societies have the opportunity to showcase their great work and upcoming
meetings in the National Society Village. The Village is located in the Entrance Hall and is open Sunday, 7 June – Tuesday, 9 June, from 09:00 – 17:30. We encourage you to visit their booths and learn more about other allergy, asthma and immunology societies.

For all media enquires please contact:
EAACI Headquarters
Claudie Lacharité – Communications Manager
Mobile Phone: +41 79 892 82 25
claudie.lacharite@eaaci.org

Delegates who did not want to attend the Opening Ceremony and Welcome Reception benefited from a reduced registration fee of EUR 25 off the regular registration fee. Please note that the Welcome Reception fee cannot be refunded on site.

Programme Search Tool (iPlanner)

A Programme Search Tool (iPlanner) for the full programme of sessions, speakers, chairs and abstracts is available online on the Congress website: www.eaaci2015.com. The iPlanner has a search function with which you can find speakers, topics, session types and much more. If you create an account, you can also build your personal Congress itinerary by selecting presentations and sessions from the programme, using the search tool. The itinerary can be exported as a PDF or MS Word document. It can also be exported to your calendar in various systems (such as MS Outlook and Apple Calendar). It is also possible to find single abstracts. Alternatively, why not download the Congress app for full information on the Scientific Programme and more.

Public transportation within Barcelona to CCIB

You can reach the CCIB by metro (Maresme Forum station on the Yellow Line), bus (lines 7, 36, 41, 43 and 141) and tram (Trambesòs Forum station). All these stops are located just a few minutes’ walk away from the CCIB. See: http://www.tmb.cat/en/home

Recycling

Help support EAACI’s Green Initiative by recycling Congress materials using the containers located throughout the CCIB.

Registration Desk Hours

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<td>Tuesday, 9 June</td>
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<tr>
<td>Wednesday, 10 June</td>
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Registration fee for delegates

The Delegate registration fee includes:

- Admission to the Congress and the Exhibition
- Congress material
- Opening Ceremony/Welcome Reception

Barcelona is a beautiful and generally very safe city. Yet, like most other major cities, there is petty crime. Therefore, please be aware of thieves and pick-pockets at all times. Do not wear your badge outside the Congress venue, and do not give it to anybody, even if you are leaving the Congress. If you are carrying valuables, always keep an eye on them. In the event of a theft, please contact the General Information Desk, who will call security.

EAACI holds a very firm position against any form of discrimination or untoward behaviour by Congress participants. If any participant feels that they have been subjected to any inappropriate behaviour, please report it immediately to a senior member of Congress staff at the General Information Desk in the Registration Area and the matter will be referred to the local authorities for further investigation.

Insurance/liabilities and disclaimer

EAACI will not be held liable for personal injuries or for loss of or damage to property incurred by participants at the EAACI Congress 2015. Participants are encouraged to purchase insurance to cover loss incurred in the event of cancellation, medical expenses, or damage to or loss of personal effects when travelling outside of their own countries. EAACI cannot be held liable for any hindrance or disruption of the EAACI Congress 2015 proceedings arising from natural, political, social or economic events or other unforeseen incidents beyond its control. Registration of a participant implies acceptance of this condition. The materials presented at this continuing medical education activity are made available for educational purposes only.

Session attendance

Sessions may fill up quickly. Please arrive in good time for the start of the session. Due to security regulations, hosts and hostesses are instructed to restrict access once the maximum capacity of the room is reached.
General Information

Session evaluation
You can use the Congress App to evaluate the quality of a session and the faculty involved. Your feedback helps EAACI to constantly improve.

Smoking policy
In accordance with EAACI policy, this is a non-smoking event.

Speaker Service Centre
The Speaker Service Centre is located on level M1 of the CCIB.
The opening hours are:
- Saturday, 6 June: 10:00 – 19:00
- Sunday, 7 June: 07:00 – 19:00
- Monday, 8 June: 06:30 – 19:00
- Tuesday, 9 June: 07:00 – 19:00
- Wednesday, 10 June: 08:00 – 12:00

Have a question? Lost? Need help?
Ask one of the Congress team in blue T-Shirts.

EAACI Online

EAACI Website - Brand new look, same great resources:
- Cleaner layout for easier navigation
- Better integration of events and social media
- Now available on smartphone and tablets

Follow us and stay informed about all EAACI activities! #eaaci2015
Business Meetings of EAACI Sections and Interest Groups are special meetings in which interested EAACI members can meet with other members in their area of interest. Each meeting starts with an academic lecture or debate led by a distinguished speaker. This is followed by interaction with the Board to plan the Section or Interest Group's activities and make proposals for future events.

**Sunday, 7 June**

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<th>Event</th>
<th>Room</th>
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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 1)</td>
<td>Room 212</td>
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<td></td>
<td><strong>Interest Group Drug Allergy</strong></td>
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<tr>
<td></td>
<td>Pathomechanisms of drug hypersensitivity: is the Coombs/Gell classification outdated?</td>
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<td></td>
<td>Dean Naisbitt, United Kingdom</td>
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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 2)</td>
<td>Room 117</td>
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<td><strong>Interest Group Immunotherapy</strong></td>
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<td>Biomarkers for Immunotherapy – hope for the future?</td>
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<td>Mohamed Shamji, United Kingdom</td>
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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 3)</td>
<td>Room 119</td>
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<td><strong>Interest Group Infections and Allergy</strong></td>
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<td>Influences of the microbiome on asthma and allergy</td>
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<td>Benjamin Marsland, Switzerland</td>
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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 4)</td>
<td>Rooms 120-121</td>
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<td><strong>Interest Group Allergy, Asthma and Sports</strong></td>
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<td></td>
<td>Current concepts on exercise-induced anaphylaxis pathogenesis</td>
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<td>George du Toit, United Kingdom</td>
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<td>17:30 – 18:40</td>
<td>Business Meeting (BM 5)</td>
<td>Rooms 129-130</td>
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<td><strong>Interest Group Epidemiology</strong></td>
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<td>Asthma and Allergy in Europe – what have we learnt from the ECRHS?</td>
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<td>Deborah Jarvis, United Kingdom</td>
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<td>17:30 – 18:40</td>
<td>Business Meeting (BM 6)</td>
<td>Rooms 131-132</td>
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<td><strong>Interest Group Allergy Diagnosis</strong></td>
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<td></td>
<td>Diagnosing food allergies – a science as well as an art?</td>
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<td></td>
<td>Gideon Lack, United Kingdom</td>
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**Monday, 8 June**

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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 7)</td>
<td>Room 212</td>
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<tr>
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<td><strong>Interest Group Insect Venom Hypersensitivity</strong></td>
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<td></td>
<td>Hymenoptera venom allergy: one of the most important triggers of anaphylaxis in Europe</td>
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<td>Margitta Worm, Germany</td>
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<tr>
<td>17:30 – 18:40</td>
<td>Business Meeting (BM 8)</td>
<td>Room 117</td>
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<td><strong>Interest Group Food Allergy</strong></td>
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<td></td>
<td>The role of Maillard reaction products in food allergy</td>
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<td>Masako Toda, Germany</td>
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<td>17:30 – 18:40</td>
<td>Business Meeting (BM 9)</td>
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<tr>
<td></td>
<td><strong>Interest Group Biologicals</strong></td>
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<tr>
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<td>Biologics-induced autoimmune diseases</td>
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<td>Manuel Ramos-Casals, Spain</td>
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<td>17:30 – 18:40</td>
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<td></td>
<td><strong>Interest Group Functional Genomics and Proteomics</strong></td>
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<td></td>
<td>How the EAACI Functional Genomics Interest Group helped me to understand my disease – data from the first practical hands-on FGP-IG workshop</td>
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<td>Serena O’Neil, Australia</td>
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<td>17:30 – 18:40</td>
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<td><strong>Interest Group Ocular Allergy</strong></td>
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<td></td>
<td>Psychological and personality traits in atopic dermatitis: impact on disease severity and quality of life</td>
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<td>Luis Delgado, Portugal</td>
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SAVE THE DATE

2016 ANNUAL MEETING
LOS ANGELES CALIFORNIA
MARCH 4-7
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<td></td>
<td>Allergen immunotherapy and biological treatments in occupational allergy</td>
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<td><strong>Interest Group Aerobiology and Pollution</strong></td>
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<tr>
<td></td>
<td>Air pollution – a cause of allergies and asthma?</td>
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<td>Connie Katelaris, Australia</td>
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<tr>
<td><strong>Tuesday, 9 June</strong></td>
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<tr>
<td>12:10 – 13:20</td>
<td>Business Meeting (BM 14)</td>
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<td></td>
<td><strong>Asthma Section</strong></td>
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<td>Phenotype - based asthma management</td>
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<td>Anneke ten Brinke, The Netherlands</td>
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<td>12:10 – 13:20</td>
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<td><strong>Immunology Section</strong></td>
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<td></td>
<td>MicroRNA-containing T-Regulatory-cell-derived exosomes suppress pathogenic T helper 1 cells</td>
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<td>Mark S. Wilson, United Kingdom</td>
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<td><strong>Pediatrics Section</strong></td>
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<td>Role of the allergist in non-IgE-mediated gastrointestinal disease</td>
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<td>Adam Fox, United Kingdom</td>
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<td><strong>Dermatology Section</strong></td>
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<td><strong>ENT Section</strong></td>
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<td>Where to go on the anti-inflammatory pathway for rhinitis and rhinosinusitis</td>
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<td>Joaquim Mullol, Spain</td>
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<td>12:10 – 13:20</td>
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<td><strong>Interest Group Primary Immunodeficiency Diseases</strong></td>
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<td>When to think of immunodeficiency?</td>
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<td>Andrew Cant, United Kingdom</td>
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<td>17:30 – 18:40</td>
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<td>Psychological aspects of food allergy</td>
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<td>Rebecca Knibb, United Kingdom</td>
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<td><strong>Interest Group Comparative and Veterinary Allergology</strong></td>
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<td>Dog as a model for food allergy</td>
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<td>Oscar L. Frick, United States</td>
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<td>The role of diagnostics in allergy management</td>
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<td>Hans-Jürgen Hoffmann, Denmark</td>
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<td><strong>Junior Members and Affiliates (JMAs)</strong></td>
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<td>Postgraduate education in allergy</td>
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<td>Adam Fox, United Kingdom</td>
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<td>17:30 – 18:40</td>
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<td><strong>Patients Organisations Committee</strong></td>
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<td>Status and aspects of involving patients organisations in the LEAP study</td>
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<td>Gideon Lack, United Kingdom</td>
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JOIN EAACI!

Become an EAACI member during the EAACI Congress 2015 and receive a 50% discount on your 2015 membership and a welcome pack.*

COMPLETE THE APPLICATION FORM ONLINE AT WWW.EAACI.ORG OR AT THE EAACI BOOTH

Join over 8,500 professionals from 121 countries and become part of the largest medical association in Europe in the field of Allergy and Clinical Immunology. Nearly 50 National Allergy Societies are represented!

EAACI Membership Highlights

• 25% discount on registration to all EAACI events
• Subscription to official EAACI Journals, including Allergy and Pediatric Allergy and Immunology (PAI)
• Access to the Members Area on www.eaaci.org, to all EAACI resources, the Membership Directory and the Membership Certificate
• Copy of the quarterly EAACI Newsletter
• Joint membership with AAAAI, ERS and European Rhinologic Society

Meet us at the EAACI booth to ask about membership and visit www.eaaci.org

*Only new applications received during the EAACI Congress 2015 benefit from a 50% discount on the 2015 membership fee and the welcome pack. Visit the EAACI Booth to pick up yours while stocks last. This promotion does not apply to Junior Members who can join us for free.
Please note: these meetings are by invitation only

**Friday, 5 June**

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<th>Time</th>
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<tr>
<td>08:30 – 18:00</td>
<td>EAACI Executive Committee</td>
<td>AC Barcelona, Room 22@, 3rd Floor</td>
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**Saturday, 6 June**

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<tr>
<td>08:30 – 13:00</td>
<td>EAACI Congress 2016 Scientific Programme Committee</td>
<td>AC Barcelona, Room 22@, 3rd Floor</td>
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<tr>
<td>09:30 – 10:30</td>
<td>Newsletter meeting</td>
<td>CCIB, Room M220</td>
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<tr>
<td>14:30 – 15:30</td>
<td>EBAACI meeting</td>
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**Sunday, 7 June**

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<tr>
<td>12:00 – 13:00</td>
<td>CME Committee meeting</td>
<td>CCIB, Room M213</td>
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<tr>
<td>15:15 – 16:45</td>
<td>PreDicta Meeting</td>
<td>CCIB, Room M220</td>
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<tr>
<td>15:30 – 17:00</td>
<td>Communication Council meeting</td>
<td>CCIB, Room 123</td>
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<tr>
<td>17:00 – 19:00</td>
<td>JMA Working Group Business Meeting</td>
<td>AC Barcelona, Room Eixample, 3rd Floor</td>
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**Monday, 8 June**

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<tr>
<td>09:30 – 10:30</td>
<td>Exam Committee Meeting</td>
<td>CCIB, Room M211</td>
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<tr>
<td>10:00 – 12:00</td>
<td>European Asthma Research and Innovation Partnership (EARIP) Workshop</td>
<td>CCIB, Room 124</td>
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<tr>
<td>10:30 – 12:00</td>
<td>National Society Forum</td>
<td>CCIB, Room 119</td>
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<tr>
<td>12:15 – 13:45</td>
<td>Business Lunch on EU health and research policies</td>
<td>CCIB, Room 122 – 123</td>
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<tr>
<td>17:15 – 18:15</td>
<td>Ethics Committee meeting</td>
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**Tuesday, 9 June**

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<tr>
<td>09:00 – 10:00</td>
<td>Web Committee Meeting</td>
<td>CCIB, Room 125</td>
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<tr>
<td>14:30 – 15:45</td>
<td>Executive Committee with IG/Section Boards and TF Chairs Meeting</td>
<td>CCIB, Room 119</td>
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<tr>
<td>16:30 – 19:00</td>
<td>New Executive Committee Meeting</td>
<td>CCIB, Room 122 – 123</td>
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**Networking Events**

**Opening Ceremony/Welcome Reception**

*Saturday 6 June at 19:00 – 23:00*

Price: Included in the registration fee for registered delegates unless you opted out when registering. If you are sponsored by a company, they may be required to opt you out of the Opening Ceremony/Welcome Reception for pharmaceutical compliance reasons. Please contact the Registration Assistance Desk in the Entrance Hall if you require clarification.

If you wish to attend the Opening Ceremony and Welcome Reception but have not yet paid, please contact the Registration Assistance Desk in the Entrance Hall prior to the start of the Opening Ceremony.

The Opening Ceremony will take place in the Auditorium at the CCIB at 19:00. The EAACI Congress 2015 Junior Member and Affiliates Poster Session will be located in the foyer of the Auditorium. Over 100 posters will be presented.

After the official opening of the Congress, the Welcome Reception will take place. Do not miss this great opportunity for networking. Name badges are required.

**Junior Member and Affiliates (JMAs) Event**

*Tuesday 9 June at 20:30 – 00:30*

Price: Included in the registration fee for Junior Members and Affiliates. If you wish to attend the JMA Event, please visit the EAACI Booth in the Entrance Hall to pick up a ticket. All Junior Members are invited to join us for the Event at Restaurant Kauai (Gavá Mar).

There will be shuttles between the beach, downtown Barcelona and the Congress Hotel area. This event is exclusively for JMA members - name badges and ID required.
YOU’VE ONLY JUST ARRIVED & ALREADY WE’RE THINKING OF YOUR NEXT TRIP

As the official airline network for EAACI Congress 2015, we’d like to thank you for choosing the Star Alliance network and hope that all goes really well for you here today.

Whilst you concentrate on the day’s events, we hope you’ll consider us the next time you need to attend a conference.

With over 18,500 flights a day to 1,316 airports across 192 countries, our 27 member airlines will extend a wide choice of flights to any future conference you’re planning to attend. And no matter which of those airlines’ frequent flyer programmes you belong to, you can earn and redeem miles across all of them.

So the next time you want to concentrate all your energies on your conference, we hope you’ll decide to leave the travel arrangements to us.
# Congress Scholarship Recipients

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Each year, EAACI honours European researchers and clinicians who have contributed significantly to the development of innovative diagnostic and therapeutic strategies for control and prevention of allergic diseases, to the understanding of their pathophysiology and to the strengthening of allergology as a specialty in Europe. The EAACI Awards 2015 will be presented during the Opening Ceremony – Saturday, 6 June at 19:00.

The Charles Blackley Award 2015 for promotion of the specialty is awarded to Professor Luis Delgado.

Professor Delgado, EAACI member 318, is Professor of Basic and Clinical Immunology and Head of the Department and Laboratory of Immunology, in the Faculty of Medicine, University of Porto, Portugal. He is a specialist in allergology and also serves as a Senior Consultant in allergology at the Allergy Department of the Centro Hospitalar São João, Porto, where he runs the immunology laboratory.

Professor Delgado has had a remarkable career. Since his doctoral thesis on lung immunopathology presented in 1996, he has worked intensively within the research field of occupational and interstitial lung diseases, severe cutaneous drug eruptions, ocular allergy and asthma in sports practice. Within this scope, in 2001 he was the founder and chairman of the EAACI Interest Group on Allergy, Asthma and Sports. During the years immediately after, he chaired the Joint EAACI/ERS Task Force “Asthma and Allergic disorders in Sports” as well as the EAACI/AACAI PRACTALL 2008/BASE initiative – “Bronchial Asthma, Asthma in Sports and Exercise”. He is co-author of three books, sixteen chapters in textbooks, and more than one hundred clinical and research papers.

Professor Delgado has contributed tremendously to the development of the specialty both on a national and international level. He served as a member of the Executive Board of the Portuguese Society of Allergy and Clinical Immunology from 1999 to 2007. Currently, he is President of the Society.

From 2003 to 2011 he was a member of the EAACI Executive Committee. During this period, he was part of the CME Accreditation Committee and of the ‘EAACI certified examination in allergology and clinical immunology’ Task Force. From 2009 to 2011, he was Vice-President for Education and Specialty, successfully managing, in a coordinated and innovative way, the Allergy Schools, educational outputs (Task Forces, monographs), knowledge test, and the collaborative structuring of the CME process with UEMS.

Professor Delgado’s encouraging attitude, friendship, endless enthusiasm and far-reaching vision in the field of science and in life in general have been an inspiring force for generations of both clinicians and researchers.

The Clemens von Pirquet Award 2015 for immunological research is awarded to Professor Anne Moneret-Vautrin.

Denise Anne Moneret-Vautrin is Professor Emeritus of Allergology at the medical faculty of the Henri Poincaré Nancy University in Lorraine, France. She is the President of the Allergy Vigilance Network and a member of the prestigious French National Academy of Medicine. She is a dedicated internist, allergist and scientist, looking deep into the immunological mechanisms causing (food) allergic reactions, and providing information and support to improve the quality of life of the allergic patient. She has a longstanding track record in allergy research, mirrored by more than 380 papers listed in PubMed, and is a highly respected authority in France.

Professor Moneret-Vautrin is also the founder of the Allergy Vigilance Network, which indexes cases of anaphylaxis, provides data on actual prevalence of food allergies, and implements post marketing surveillance of the allergic risk of foods. This first model of an anaphylaxis registry prompted clinicians in other countries to establish similar activities. As a true European, she recently joined forces with the German anaphylaxis registry to develop a European-wide registry, providing service for health-care specialists across Europe.

Professor Moneret-Vautrin has trained more than one generation of clinicians and is still highly active investigating hot-topics in food allergy. She is well-known for tackling up-to-date topics, such as novel foods and new food products with allergenic risks, prompting a colleague to say: "Whenever you want to investigate new questions in food allergy, check first if it hasn’t already been published by Professor Moneret-Vautrin.”

The Daniel Bovet Award for improving treatment and prevention of allergic diseases is awarded to Professor Marek Kowalski.

Professor Marek L. Kowalski is Chair at the Department of Immunology, Rheumatology and Allergy, Faculty of Medicine and Director of the Healthy Ageing Research Center (HARC) at the Medical University in Lodz, from where he received medical and doctorate degrees. He has worked as a visiting scientist at the Department of Clinical Immunology and Allergy in London with Professor Barry Kay, and for three years (1986–1988) was a visiting fellow at the National Institute of Health in Bethesda, with Professor Michael Kaliner. He is board certified in internal medicine, allergology and clinical immunology.

Professor Kowalski was a member of the EAACI Executive Committee (1998–2009) and EAACI Treasurer (2003–2009); in 2009, he was President of the 28th EAACI Congress held in Warsaw. He was also President of the Polish Society of Allergology (2003–2006), member of the World Allergy Organization Board of Directors (2008–2011) and Chair of the WAO Communications Council.

He was the Associate Editor of Allergy (2001–2009) and is currently the Editor-in-Chief of Allergology and Immunology and serves on editorial boards for several international journals (Allergy Immunology Research, Asthma Allergy Clinical Immunology, Allergy and Asthma Proceedings, Current Allergy and Asthma Reports), and he is the coordinator of the HARC TFP RegPopt Project (2013–2016), as well as partner in four EC funded IP projects (FAS, HIMATICA, MedAll and BAG). His major research interests include pathogenesis and management of bronchial asthma and COPD, immunology of respiratory infections, immunology of ageing, and hypersensitivity to NSAIDs. He has authored or co-authored more than 300 publications.

Professor Kowalski has been honoured with several Polish and international awards, including the Order of Polonia Restituta, International Distinguished Fellowship Award of the American College of Allergy Asthma and Immunology, honorary membership of the Lithuanian Society of Allergology and Clinical Immunology, the Purkyni Medal of the Czech Society of Clinical Immunology and Allergology, and honorary membership of the Hungarian Allergy and Immunology Society.

The Paul Ehrlich Award 2015 for improving experimental research is awarded to Professor Wytse Fokkens.

Wytse J. Fokkens is Professor and Chairman of the Department of Otorhinolaryngology at the Academic Medical Center in Amsterdam. Her main field of interest is sinus surgery and mucosal pathology of the upper and lower airways. She is the current President of the European Rhinologic Society (ERS) and the International Society of Infection and Allergy of the Nose (ISIAN). She is also the Chairman of the European Position Paper on Rhinosinusitis and Nasal Polyps (EPOS).

Professor Fokkens is a member of the executive committees of ARIA and ERS, and work package and workstream leader of GA<sub>LEN</sub>, the EU network of excellence. She is the author of more than 300 papers on allergy and rhinology published in peer-reviewed journals. She has written a textbook on rhinology: Rhinology and Skull Base Surgery: From the Lab to the Operating Room – An Evidence Based Approach (Thieme), as well as Editor-in-Chief of Rhinology and is Associate Editor of the Allergy and Clinical Respiratory Journals. She is married and has three children.

In addition to the EAACI Awards, the PhARF (Phadia Allergy Research Forum) Award 2015 and the 15th Allergopharma Award 2015 will also be presented during the Opening Ceremony on Saturday, 6 June at 19:00.
EAACI EU Activities

Tackling the Allergy Crisis in Europe - Concerted Policy Action Needed

EAACI has a key role to play in allergy awareness promotion and the formulation of health and research policy at a European level. EAACI also has a duty to alert EU policymakers of the growing public health burden posed by allergy in Europe.

**EAACI accomplished in 2014-2015:**

- Opening of the EAACI EU Liaison Office in Brussels
- Skin Prick Tests at the EU Parliament
- Member of the Alliance for Biomedical Research in Europe
- Member of the European Chronic Disease Alliance (ECDA)
- Publication and dissemination of the EAACI Advocacy Manifesto
- Launch of the EU Parliament Interest Group on Allergy and Asthma in partnership with EFA and under the leadership of MEP Sirpa Pietikäinen (Finland)

For more information visit www.eaaci.org
The Allergy Bazaar was a huge success at the EAACI Congress 2014 in Copenhagen and has returned by popular demand in Barcelona with a new name: the Clinical Village.

The Clinical Village will offer an excellent opportunity for attendees to try out different procedures and equipment used in the diagnosis and treatment of allergic diseases. It will provide a perfect platform to explore a combination of both theoretical and practical topics, both for specialists-in-training as well as for clinicians wanting to update themselves on topics adjacent to their core business.

When can you visit the Clinical Village? The Clinical Village will be open on Saturday, 6 June 2015 from 14:00 – 18:00 and Sunday, 7 June 2015 from 12:00 – 16:00, at the Congress Centre (CCIB).

Topics addressed will include:
- Acoustic rhinometry
- Anaphylaxis simulation
- Bronchial challenge
- Clinical investigation of the mucociliary system
- Conjunctival challenge test
- Exhaled nitrogen oxide
- Food challenge in adults
- Food challenge in children
- Food challenge materials
- How to apply epinephrine autoinjectors
- How to auto-administer medication in hereditary angioedema
- How to diagnose chronic inducible urticaria
- How to monitor chronic spontaneous urticaria
- How to use skin moisturizers and topical drugs
- Hymenoptera
- Immunotherapy
- In vitro allergy diagnosis
- Intradermal testing
- m-Health developments (apps, devices, websites, etc.)
- Nasal challenge test
- Nasal endoscopy
- Nutritional support alternatives in allergic patients
- Olfactory test
- Ophthalmologic examinations by allergists
- Patch testing
- Patients
- Pulmonary function in adults
- Pulmonary function in children
- Rhinomanometry
- Rhinoscopy

Admission is included in the registration fee and all registered attendees are invited to visit.

The Clinical Village will be a particularly good complement to EAACI postgraduate courses running on Saturday afternoon, combining theory with practice.

What will you find in the Clinical Village? This year, there will be 16 individual stations served by specialists, Junior Members and Associates (JMAs) and staff from departments in local medical centres and hospitals.
Description of Session Types

**Business Meetings (BM)**

Business Meetings of EAACI Sections and Interest Groups are special meetings in which interested EAACI members can meet with other members in their area of interest. Each meeting starts with an academic lecture or debate led by a distinguished speaker. This is followed by interaction with the Board to plan the Section or Interest Group’s activities and make proposals for future events.

**Company Lunch Symposium (CLS)**

Company Lunch Symposiums are sponsored symposia organised during the lunch breaks by the EAACI Founder Sponsors. The content of these sessions is proposed directly by the Founder Sponsors and approved by the Scientific Programme Committee prior to inclusion within the main programme.

**Company Sponsored Symposium (CSS)**

EAACI Platinum and Gold Founder Sponsors have a Company Sponsored Symposium within the main Congress programme. The content of these symposia is proposed directly by the Founder Sponsors and approved by the Scientific Programme Committee prior to inclusion within the main programme.

**Hot Topic (HT)**

Hot Topic sessions consist of presentations followed by a discussion. Topics are selected close to the time of the Congress, with the goal of presenting new and exciting data in a more informal format than a typical session. Hot Topic sessions allow attendees to gain insights into the latest news and findings in the fields of allergy and clinical immunology.

**Meet the Expert (MTE)**

Meet the Expert sessions allow attendees to meet in a small group with outstanding researchers and clinicians. The format is designed to facilitate informal discussions, allowing participants to present their questions and gain new insights. Registration for these sessions is required. A separate registration fee applies.

**Oral Abstract Sessions (OAS)**

The most exciting work from abstracts submitted to the Congress will be honoured with a place in these sessions, which start with a brief introductory lecture. Each presenter shares their work and answers questions from attendees.

**Patients Organisations Workshop (POW)**

Global representatives of patient organisations will come together with other stakeholders in the field to share their experiences, as well as to discuss current issues.

**Plenary Symposia (PL)**

Plenary Symposia are at the core of Congress activities. These are exhaustive reviews of a major subject of the specialty, addressed to all Congress participants. Plenary Symposia are scheduled at “prime time” in the programme, with no crossover with other activities in order to achieve maximum attendance. Two parallel symposia will be held, one primarily clinical and the other focused on basic science. Leading international speakers conduct these symposia.

**Postgraduate Courses (PG)**

Postgraduate Courses are half-day sessions proposed by the EAACI Sections or Interest Groups. They are designed to provide a thorough review in an area of special interest. Postgraduate courses can be at the basic level or advanced level, requiring background knowledge of that particular topic. Registration for these courses is required. A separate registration fee applies. Postgraduate Courses are merged with visits to the Clinical Village, where attendees can actively try out different procedures and equipment used in the diagnosis and treatment of allergic diseases. The courses are marked “basic” or “advanced”, relating to the participants’ knowledge of the topic.

**Poster Discussion Sessions (PDS)**

In these sessions, a group of thematically related posters is displayed. Presenters make a brief presentation of their poster with an ePoster, followed by questions and answers, facilitated by the session chairs. These sessions take place within the four Poster Discussion Zones, located in the poster exhibition area.

**Pro & Con (PC)**

The Pro & Con sessions allow speakers to debate controversial topics providing “food for thought”. These lunchtime sessions take place in the Exhibition Hall and you can participate by voting with the Congress app.

**Product Theatre (PT)**

The Product Theatre features commercial presentations conducted by company personnel in the Exhibition Hall. A limited number of 30 minute sessions will be held.

**Satellite Symposia (SAT)**

Satellite Symposia commence once the main programme has concluded for the day. These symposia are organised independently by sponsoring companies.

**Sister Society Symposia (SSS)**

EAACI has collaborated with a number of sister societies to develop symposia that represent regional or scientific areas common to EAACI and the sister society. This is your chance to expand your knowledge beyond the traditional limits.

**Symposia (SYM)**

Symposia are state-of-the-art educational sessions in which the speakers critically review diverse aspects of a specific topic. The target audience consists of delegates who are primarily interested in the subject or wish to update their knowledge in the area.

**Thematic Poster Sessions (TPS)**

Abstracts are grouped thematically into blocks of 15-20 posters and displayed for a whole day. At lunchtime, presenters are available to discuss their work and answer questions from delegates and moderators alongside their posters.

**Workshops (WS)**

The Workshops format has been re-designed and will feature a broad range of new meeting set-ups and interactive approaches making them stand out from the more conventional session format of Symposia or Plenary Sessions.

In a Workshop, the goal is for more interaction, more discussion and more audience participation. The session set-up will be different from other sessions and the capacity of the meeting room will therefore be lower. Please arrive early to avoid disappointment.

**Year in Review (YIR)**

The Year in Review sessions are complete and authoritative reviews focused on the highlights published during the previous year on a specific topic.

**Topic Tracks**

Each session in the scientific programme belongs to one or more topic tracks. All sessions are marked in the ‘Programme at a Glance’ with one of the following topic codes:

A: Asthma  
AH: Allied Health  
BA: Basic Allergology  
CA: Clinical Allergology  
CI: Clinical Immunology  
D: Dermatology  
DI: Allergy Diagnostics  
E: Ethics  
ENT: Ear, Nose, Throat  
FA: Food Allergy  
I: Immunology  
IT: Immunotherapy  
OA: Ocular Allergy  
P: Pediatrics  
PC: Allergy Management in Primary Care  
PID: Primary Immunodeficiency  
PO: Patients Organisations  
VE: Veterinary Allergology
Exam EAACI/UEMS Exam
EAACI administers the annual European Knowledge Examination for Allergy and Clinical Immunology which will take place for the seventh time at the EAACI Congress 2015 in Barcelona. The exam includes about 100 multiple-choice questions in English and candidates have 3 hours to complete it. It does not replace or substitute for any currently existing national examinations that are regularly held by national bodies. The hope is that this examination will help to further increase standards in the fields of allergy and clinical immunology in Europe, and everyone has the opportunity to use it as a tool for self evaluation.

Room 116

14:00

<table>
<thead>
<tr>
<th>Postgraduate Course</th>
<th>Course Title</th>
<th>Room</th>
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<tbody>
<tr>
<td>Postgraduate Course 1</td>
<td>Allergen-specific Immunotherapy (AIT) [Advanced]</td>
<td>IT Room 124</td>
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<tr>
<td>Postgraduate Course 2</td>
<td>Dermatology for the allergist [Basic]</td>
<td>CA, D Room 125</td>
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<tr>
<td>Postgraduate Course 3</td>
<td>Diagnosis of food allergy – IG Food Allergy [Basic]</td>
<td>DI, FA Room 127</td>
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<tr>
<td>Postgraduate Course 4</td>
<td>Update on the management of asthma exacerbations [Basic]</td>
<td>A Room 128</td>
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<tr>
<td>Postgraduate Course 5</td>
<td>Microbiome and Immunity: their relationships and effects on asthma [Advanced]</td>
<td>A, I Room 129</td>
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<tr>
<td>Postgraduate Course 6</td>
<td>Inflammation-driven management of asthma [Advanced]</td>
<td>A, CA, I Room 130</td>
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<tr>
<td>Postgraduate Course 7</td>
<td>Diet and allergic diseases [Basic]</td>
<td>CA, FA Room 131</td>
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<tr>
<td>Postgraduate Course 8</td>
<td>Allergic Rhinitis [Basic]</td>
<td>ENT Room 132</td>
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<tr>
<td>Postgraduate Course 9</td>
<td>Chronic urticaria in children [Basic]</td>
<td>D,P Room 133</td>
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<tr>
<td>Postgraduate Course 10</td>
<td>Allied Health – Translating hot topics into everyday practice [Basic]</td>
<td>AH, FA Room 134</td>
</tr>
</tbody>
</table>

17:30

18:00

19:00

20:00

Opening Ceremony
Auditorium

22:00

23:00

Welcome Reception

Junior Members and Associates (JMAs Poster Sessions)
Foyer of the Auditorium
### Programme at a Glance, Sunday, 7 June 2015

#### Clinical Village
- **Symposium 2:** Atopic dermatitis, what is the pathomechanism?  
  FA, CA, D, Room 212
- **Symposium 3:** Sensing the environment in allergy  
  I, BA, Hall B
- **Symposium 4:** Controverses in hypersensitivity reactions to drugs  
  CA, D, Room 111
- **Symposium 5:** Immunotherapy and panallergen sensitisation  
  DI, IT, Room 112
- **Symposium 6:** Challenging guideline constructions in asthma  
  A, PC, Room 114
- **Symposium 7:** Women in science – At the forefront of asthma research  
  A, I, IT, ENT, Room 117
- **Workshop 1:** European Referent Networks  
  ENT, Room 120-121
- **CSS 1:** A new frontier in allergic rhinitis management: meeting the challenge  
  A, D, Room 117
- **CSS 2:** Industry-sponsored session: Back to the future: The IgE journey in asthma, chronic spontaneous urticaria and beyond  
  Rooms 120-121
- **SSS 1:** AAAI Symposium: Childhood asthma – can it be prevented?  
  A, P, Room 211

#### Pro & Con
- **Pro & Con 1:** Allergen component specific IgE is directing allergen specific immunotherapy  
  D, I, Pro & Con Arena
- **Pro & Con 2:** Atopic dermatitis is primarily a disease of epidermal barrier impairment  
  D, Pro & Con Arena

#### Entrance Hall
- **PT2:** Product Theatre 2 Industry-sponsored session: Health Economics: Temperature Laminar Airflow (TLA) from controlled trial to clinical practice  
  CA, Pro & Con Arena

#### Year in Review
- **Year in Review 1:** Immunology  
  I, Room 118

#### SAT 1
- **Company Sponsored Satellite Symposium:** New frontiers for new H-antihistamines - what’s different from the past?  
  CA, ENT, Room 111

#### SAT 2
- **Company Sponsored Satellite Symposium:** Reversing to improve quality of life for patients with Hereditary Angioedema (HAE)  
  CA, CI, Room 113

#### SAT 3
- **Company Sponsored Satellite Symposium:** From allergens to IL-5 antibodies shaping the evolution of asthma management  
  A, CA, Room 114

#### SAT 4
- **Company Sponsored Satellite Symposium:** Severe asthma: unravelling type 2 pathways  
  A, CA, Room 115

#### SAT 5
- **Company Sponsored Satellite Symposium:** A novel approach in food allergy treatment  
  IT, FA, Room 116

#### Programme at a Glance, Sunday, 7 June 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30</td>
<td>Meet the Expert 1: Immune mechanisms in ocular allergy</td>
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<td></td>
<td>OAI, Room M213</td>
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<tr>
<td>8:15</td>
<td>Meet the Expert 2: Dietary preparation and management of double-blind-placebo-controlled oral food challenges</td>
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<td>FA, Room 124</td>
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<tr>
<td>8:30</td>
<td>Meet the Expert 3: How to revise an original article?</td>
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<td>BA, Room 125</td>
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<tr>
<td>10:00</td>
<td>Plenary Symposium 1: Optimising asthma control</td>
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<tr>
<td>10:30</td>
<td>PT1: Product Theatre 1 Industry-sponsored session: Updating or combination of antihistamines? What is the better way of treating chronic urticaria?</td>
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<td>D, CA, Pro &amp; Con Arena</td>
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<tr>
<td>12:00</td>
<td>Symposium 1: To feed or not to feed new data from cohort studies</td>
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<td>FA, Auditorium</td>
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<td>12:15</td>
<td>Symposia 2: Atopic dermatitis, what is the pathomechanism?</td>
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<td>CA, D, Room 212</td>
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<td>12:45</td>
<td>Symposia 3: Sensing the environment in allergy</td>
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<td>I, BA, Hall B</td>
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<td>13:15</td>
<td>Symposia 4: Controverses in hypersensitivity reactions to drugs</td>
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<td>CA, D, Room 111</td>
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<td>13:30</td>
<td>Syposium 5: Immunotherapy and panallergen sensitisation</td>
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<td>DI, IT, Room 112</td>
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<td></td>
<td>Symposium 6: Challenging guideline constructions in asthma</td>
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<td>A, PC, Room 114</td>
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<td>14:00</td>
<td>Symposium 7: Women in science – At the forefront of asthma research</td>
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<td>A, I, IT, ENT, Room 117</td>
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<tr>
<td>14:30</td>
<td>Workshop 1: European Referent Networks</td>
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<td>ENT, Room 120-121</td>
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<tr>
<td>15:00</td>
<td>CSS 1: AAAI Symposium: Childhood asthma – can it be prevented?</td>
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<td>A, P, Room 211</td>
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<tr>
<td>16:00</td>
<td>Symposium 8: Reducing the burden of anaphylaxis</td>
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<td>CA, PC, Auditorium</td>
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<tr>
<td>16:30</td>
<td>Symposia 9: Coding allergy: getting it right!</td>
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<td>CA, E, PC, Room 211</td>
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<tr>
<td>17:00</td>
<td>Symposia 10: Uncovering primary care databases</td>
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<td>CA, PC, Room 212</td>
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<td>17:30</td>
<td>Symposia 11: Systematic reviews in asthma and allergy epidemiology:</td>
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<td></td>
<td>Filling the gaps</td>
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<td>A, D, FA, Hall B</td>
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<td>Symposium 12: Cutting edge developments in immunodeficiency Joint session with ESOI CI, I, PID</td>
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<td>Room 111</td>
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<tr>
<td>18:40</td>
<td>Symposium 13: Cat allergy</td>
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<td>BA, DI, I, IT, Room 112</td>
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<tr>
<td>19:00</td>
<td>Symposia 14: Local allergic rhinitis</td>
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<td>ENT, Room 115</td>
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<td>CSS 2: Industry-sponsored session: Back to the future: The IgE journey in asthma, chronic spontaneous urticaria and beyond</td>
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<td>A, D, CA, Room 117</td>
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<tr>
<td></td>
<td>SSS 2: SLAAI Symposium: Asthma in Latin America</td>
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<td></td>
<td>A, Rooms 127-128</td>
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<tr>
<td>19:00</td>
<td>CSS 3: Industry-sponsored session: Thinking differently about house dust mite respiratory allergy</td>
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<td>IT, CA, Hall A</td>
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<tr>
<td>19:00</td>
<td>SSS 3: IRINE Symposium: New considerations in allergic disease</td>
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<td>D, CA, Rooms 127-128</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:00</td>
<td>Meet the Expert 6: Late-onset asthma</td>
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<tr>
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<td>A, Room M211</td>
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<tr>
<td>07:45</td>
<td>Meet the Expert 7: Feeding and weaning the allergic infant</td>
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<tr>
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<td>FA, P, Room 125</td>
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<tr>
<td>08:00</td>
<td>Meet the Expert 8: Measurement of bronchodilator response in children</td>
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<td>A, P, Room M220</td>
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<td>08:40</td>
<td>Meet the Expert 9: Component diagnostics in a food allergy clinic</td>
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<td>DI, FA, Room 124</td>
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<tr>
<td>09:00</td>
<td>Meet the Expert 10: Social Media for the allergist</td>
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<td>CA, Room M212</td>
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<tr>
<td>09:30</td>
<td>Meet the Expert 11: Perioperative anaphylaxis and allergy to hidden drug</td>
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<td>CA, Room 119</td>
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<tr>
<td>10:30</td>
<td>Plenary Symposium 3: Allergy as a systemic disease</td>
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<td>A, CA, D, ENT</td>
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<tr>
<td>10:45</td>
<td>Symposium 20: The clinical use of biomarkers in asthma</td>
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<td>A, DI, Room 211</td>
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<td>11:15</td>
<td>Symposium 21: Fungal sensitizations and lower airways disease</td>
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<td>A, CA, Hall B</td>
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<tr>
<td>12:15</td>
<td>Symposium 22: Contact dermatitis</td>
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<td>D, Room 113</td>
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<tr>
<td>12:30</td>
<td>Symposium 23: Sports and asthma</td>
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<td>A, CA, I, Room 116</td>
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<tr>
<td>13:00</td>
<td>Symposium 24: GSD: from component-resolved diagnosis to management in</td>
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<td>plant food allergy</td>
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<td>BA, CA, DI, FA, Auditorium</td>
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<td>13:30</td>
<td>Symposium 25: PreDicta: Tackling the infectious triggers of allergy</td>
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<td>13:45</td>
<td>Symposium 26: IgE – effector cell axis in allergy</td>
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<td>BA, I, Room 212</td>
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<tr>
<td>14:15</td>
<td>Symposium 27: Mastocytosis</td>
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<td></td>
<td>CA, D, Room 111</td>
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<tr>
<td>14:30</td>
<td>Symposium 28: Clinical aspects of ocular allergy</td>
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<td>CA, D, PC, Room 115</td>
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<tr>
<td>14:45</td>
<td>Symposium 29: Nutrition and allergy</td>
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<td>CA, PC, Room 114</td>
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<tr>
<td>15:00</td>
<td>Symposium 30: Children at the front line – Pediatric and Primary Care</td>
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<td>AIT, ENT, Room 117</td>
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<tr>
<td>15:15</td>
<td>Symposium 31: Integrated management of HDM respiratory allergy</td>
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<td>A, AIT, ENT, Room 117</td>
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<tr>
<td>15:30</td>
<td>Symposium 32: Food allergy</td>
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<td>A, CA, D,I, Room 212</td>
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<tr>
<td>15:45</td>
<td>Symposium 33: New insights into oral mucosal symptoms</td>
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<td>CA, ENT, Room 212</td>
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<tr>
<td>16:00</td>
<td>Symposium 34: Comparative genetics of allergic diseases</td>
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<td>D, VE, Hall A</td>
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<tr>
<td>16:15</td>
<td>Symposium 35: Unbiased identification of biomarkers by new technology</td>
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<tr>
<td>16:30</td>
<td>Symposium 36: Future of AIT in Europe</td>
</tr>
<tr>
<td></td>
<td>E, IT, Room 112</td>
</tr>
<tr>
<td>16:45</td>
<td>Symposium 37: New tissue cytokines: TSLP, IL-22 and IL-33</td>
</tr>
<tr>
<td></td>
<td>I, Room 116</td>
</tr>
<tr>
<td>17:00</td>
<td>Symposium 38: Pediatric asthma: viral wheeze and asthma development</td>
</tr>
<tr>
<td></td>
<td>A, P, Room 117</td>
</tr>
<tr>
<td>17:15</td>
<td>Symposium 39: Future of AIT in Europe</td>
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<td>A, P, Room 117</td>
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<tr>
<td>17:30</td>
<td>Symposium 40: Future of AIT in Europe</td>
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<td>A, P, Room 117</td>
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<tr>
<td>17:45</td>
<td>Symposium 41: Future of AIT in Europe</td>
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<tr>
<td></td>
<td>A, P, Room 117</td>
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<tr>
<td>18:00</td>
<td>Symposium 42: Future of AIT in Europe</td>
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<tr>
<td></td>
<td>A, P, Room 117</td>
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<tr>
<td>18:15</td>
<td>Symposium 43: Future of AIT in Europe</td>
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<tr>
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<td>A, P, Room 117</td>
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<tr>
<td>18:30</td>
<td>Symposium 44: Future of AIT in Europe</td>
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<tr>
<td></td>
<td>A, P, Room 117</td>
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<tr>
<td>18:45</td>
<td>Symposium 45: Future of AIT in Europe</td>
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<tr>
<td></td>
<td>A, P, Room 117</td>
</tr>
<tr>
<td>19:00</td>
<td>Symposium 46: Future of AIT in Europe</td>
</tr>
<tr>
<td></td>
<td>A, P, Room 117</td>
</tr>
</tbody>
</table>
### Programme at a Glance, Monday, 8 June 2015

#### Plenary Symposium 4
**Activation of effector cells**

**CA, I**

**Hall A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>OAS 16 Diagnosis of food allergy</td>
</tr>
<tr>
<td>10:45</td>
<td>OAS 17 NS40s Hypersensitivity: From mechanisms to diagnosis</td>
</tr>
<tr>
<td></td>
<td>OAS 18 Dendritic and epithelial cells as the first responders</td>
</tr>
<tr>
<td></td>
<td>OAS 19 Pediatric allergy</td>
</tr>
<tr>
<td></td>
<td>POW 1 The reason of representing patients</td>
</tr>
<tr>
<td></td>
<td>PDS 12 Management of asthma</td>
</tr>
<tr>
<td></td>
<td>PDS 13 New methods in molecular allergology</td>
</tr>
<tr>
<td></td>
<td>PDS 14 Atopic dermatitis and other skin conditions: mechanisms</td>
</tr>
<tr>
<td></td>
<td>LB PDS 2 Asthma and allergy</td>
</tr>
<tr>
<td></td>
<td>BA, CA Poster Discussion Zone 3</td>
</tr>
</tbody>
</table>

**LUNCH AND POSTER VIEWING IN THE POSTER AREA**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>13:00</td>
<td>JMA Edu JMA-Educational Session</td>
</tr>
<tr>
<td>13:30</td>
<td>OAS 20 Hereditary angioedema</td>
</tr>
<tr>
<td>13:45</td>
<td>OAS 21 Allergy epidemiology – the importance of early life</td>
</tr>
<tr>
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<td>OAS 22 Immune responses to infectious agents</td>
</tr>
<tr>
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<td>POW 2 Patient organisation deliveryans</td>
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<tr>
<td></td>
<td>PDS 15 Food allergy management</td>
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<td></td>
<td>PDS 16 Novel immune mechanisms</td>
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<td></td>
<td>PDS 17 Pediatric asthma</td>
</tr>
<tr>
<td></td>
<td>PDS 18 Clinical management of rhinitis</td>
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<td></td>
<td>BA, CA Poster Discussion Zone 3</td>
</tr>
</tbody>
</table>

**CSS 6**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>15:15</td>
<td>OAS 23 What’s new in aerobiology and smoking in allergic diseases</td>
</tr>
<tr>
<td>15:45</td>
<td>OAS 24 Diagnosis and new therapeutic options in rhinitis and rhinosinusitis</td>
</tr>
<tr>
<td></td>
<td>POW 3 Patient organisation deliversans</td>
</tr>
<tr>
<td></td>
<td>PDS 19 Mechanisms of AIT</td>
</tr>
<tr>
<td></td>
<td>PDS 20 Diagnosis and treatment of anaphylaxis and hypersensitivity</td>
</tr>
<tr>
<td></td>
<td>PDS 21 Pediatric allergy</td>
</tr>
<tr>
<td></td>
<td>PDS 22 Primary and secondary immunodeficiencies</td>
</tr>
<tr>
<td></td>
<td>PID, 1 Poster Discussion Zone 4</td>
</tr>
</tbody>
</table>

**SAT 6**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
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<tbody>
<tr>
<td>17:15</td>
<td>Company Sponsored Satellite Symposium: Cow’s milk protein allergy, improving standards of care in pediatric practice</td>
</tr>
<tr>
<td>17:30</td>
<td>SAT 7 Company Sponsored Satellite Symposium - Not all AIT solutions are equal, your choice matters IT Room 115</td>
</tr>
<tr>
<td></td>
<td>SAT 8 Company Sponsored Satellite Symposium: Improving asthma management requires a multifaceted approach A, CA, Room 116</td>
</tr>
<tr>
<td></td>
<td>SAT 9 Company Sponsored Satellite Symposium: Food Allergy</td>
</tr>
</tbody>
</table>

**SESSION GUIDE**

- **OAS** = Oral Abstract Sessions
- **SIS** = Sister Society Symposium
- **SAP** = Sponsored Session
- **SAT** = Satellite Symposium
- **CRGB** = Congress Report
- **AJA** = Asthma & Immunology
- **ENT** = Ear, Nose, Throat
- **E** = Ethics
- **D** = Dermatology
- **CI** = Clinical Immunology
- **CA** = Clinical Allergology
- **BA** = Basic Allergology
- **AH** = Allied Health
- **A** = Asthma
- **PID** = Primary Immunodeficiencies

**TOPIC TRACKS**

- A = Asthma
- NA = Allergic Rhinitis and its Impact on Asthma (ARIA)
- FA = Food Allergy
- IT = Immunotherapy
- I = Immunology
- PC = Primary Immunodeficiency
- P = Pediatrics
- A = Allergy
- D = Dermatology
- EL = Environmental Lung Health
- C = Clinical Allergology
- DI = Allergy Diagnostics
- CI = Clinical Immunology
- E = Ethics
- ENT = Ear, Nose, Throat
- VE = Veterinary Allergology

**SISTER SOCIETIES AND GUEST ORGANISATIONS**

- AAAI = American Academy of Allergy, Asthma & Immunology
- AFAPARI = Asia-Pacific Association of Pediatric Allergy, Respiratory and Immunology
- SORI = Society of Rheumatology and Immunology
- GARD = Genetic and Rare Diseases Information Center
- GAZLEN = Global Allergy and Asthma European Network
- IMI = Immuno Research Foundation of New England
- SLAA = Latin American Society of Allergy, Asthma and Immunology
- NACVIA-ARIA = European Innovation Partnership on Active and Healthy Ageing (NACVIA-ARIA)
- WAF = World Allergy Forum

**EAO II**

- **EAO** = European Academy of Allergy and Clinical Immunology
- **EAACI** = European Academy of Allergy, Asthma and Clinical Immunology
- **EAACI** = European Academy of Allergy, Asthma and Clinical Immunology
- **EACTS** = European Academy of Allergy, Asthma and Clinical Immunology
- **EAACI** = European Academy of Allergy, Asthma and Clinical Immunology
- **EACI** = European Academy of Allergy, Asthma and Clinical Immunology
- **EACI** = European Academy of Allergy, Asthma and Clinical Immunology
- **EACI** = European Academy of Allergy, Asthma and Clinical Immunology
### Programme at a Glance, Tuesday, 9 June 2015

#### Plenary Symposium 5
**Novel regulatory mechanisms in allergic diseases**

- **CA, IT**
- **Hall A**

#### Pro & Con 5
**Skin tests should be included in the diagnosis of non-immediate beta-lactam allergy in children**

- **D, P**
- **Pro & Con Arena**

#### Pro & Con 6
**Specific immunotherapy is useful to treat ocular allergy**

- **OA, IT**
- **Pro & Con Arena**

#### Symposium 39
**Search for biomarkers in allergic immunotherapy**

- **DI, IT**
- **Room B12**

#### Symposium 40
**Allergy in daily practice**

- **A, FA, CA, PC**
- **Hall B**

#### Symposium 41
**Asthma in the elderly – a different approach?**

- **A**
- **Room 111**

#### Symposium 42
**Immediate contact reactions**

- **D**
- **Room 112**

#### Symposium 43
**Highlights of the EAACI occupational allergy position papers**

- **A, CA**
- **Room 113**

#### Symposium 44
**Role of the plasma contact system in allergic reactions and angioedema**

- **CA, D**
- **Room 114**

#### Symposium 45
**Exposome in asthma: the inside is out**

- **DI, VE**
- **Room 115**

#### Symposium 46
**Allergy management: from humans to animals and back**

- **A, I**
- **Room 117**

#### Symposium 47
**Beyond Oral Immunotherapy (OIT) in food allergy**

- **FA, IT**
- **Auditorium**

#### Symposium 48
**New facets of urticaria**

- **D**
- **Room 211**

#### Symposium 49
**New frontiers in food allergy**

- **FA**
- **Room 212**

#### Symposium 50
**Immunological consequences of exercise: keep on running?**

- **CA, I**
- **Hall B**

#### Symposium 51
**Pediatric asthma (joint session with ERS)**

- **A, P**
- **Room 112**

#### Symposium 52
**Component Resolved Diagnosis (CRD): the big picture**

- **CI, DI, FA, IT**
- **Room 114**

#### Symposium 53
**Severe asthma in children**

- **A, P**
- **Room 117**

#### Symposium 54
**Hot Topic 4 Primary to secondary prevention**

- **CA, FA**
- **Room 112**

#### Symposium 55
**Emergency medicine: the global problem of allergies – possible answers from the Asia-Pacific**

- **A, P, BA**
- **Room 113**

#### Symposium 56
**Workshop 5 e-Health technology in allergy**

- **CA, PC**
- **Rooms 120-121**

#### Symposium 57
**CSS 7 Industry-sponsored session: Allergen Components and Antibodies Impact on Patient Management**

- **DI, FA, CA, I**
- **Hall A**

#### Symposium 58
**BM 20 Business Meeting: IG Allied Health**

- **AH**
- **Room 212**

#### Symposium 59
**BM 21 Business Meeting: IG Comparative and Veterinary Allergology**

- **VE**
- **Room 111**

#### Symposium 60
**BM 22 Business Meeting: IG Primary Care**

- **PC**
- **Room 113**

#### Symposium 61
**BM 23 Business Meeting: Junior Members and Affiliates (JMA)**

- **Room 115**

#### Symposium 62
**BM 24 Business Meeting: Patients Organisations Committee**

- **PO**
- **Room 116**

### Timeline

- **7:30** Meet the Expert 12
- **8:15** Meet the Expert 13
- **8:30** Meet the Expert 14
- **10:00** Meet the Expert 15

### LUNCH AND POSTER VIEWING IN THE POSTER AREA
- **12:00** Pro & Con 5
- **12:45** Pro & Con 6
- **15:00** Symposium 47
- **15:30** Symposium 52
- **17:00** Symposium 56
- **17:30** BM 20
Programme at a Glance, Wednesday, 10 June 2015

8:30
Plenary Symposium 7
Innate danger signals triggering allergies
BA, I
Room 211

Plenary Symposium 8
New treatment modalities in AIT
CA, IT
Room 112

Symposium 57
Emerging drug allergies
CA, D
Room 212

Symposium 58
Impact and prevention of influenza in asthma
A, CA, I, CI
Room 111

Symposium 59
Practical aspect from evidence-based medicine to practical standards in Allergen Immunotherapy (AIT)
IT
Room 112

Symposium 60
Exotic skin diseases
D
Room 113

Symposium 61
Taskforce on the development of allergy-focussed diet history tools
AH, CA, FA
Room 114

12:00
Closing Ceremony
Room 211

SESSION GUIDE
LISTS
OAS = Oral Abstract Session
CSS = Company Sponsored Symposium
JNA = Junior Programme
SLS = Satellite Symposium
POS = Poster Discussion Session
LRO = Late Breaking Oral Abstract Session
SSS = Sister Society Symposium

TOPIC TRACKS
A = Asthma
BA = Basic Allergology
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D = Dermatology
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OA = Ocular Allergy
P = Pediatrics
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VE = Veterinary Allergy

SISTER SOCIETIES AND GUEST ORGANISATIONS
African National Societies
AAAAI = American Academy of Allergy, Asthma & Immunology
AAPARD = Asia-Pacific Association of Pediatric Allergy, Respiratory and Immunology
GARD = Genetic and Rare Disease Information Center
GA2LEN = Global Allergy and Asthma European Network
IRINE = Immunology Research Institute of New England
MACVIA-ARIA = European Innovation Partnership on Active and Healthy Ageing (MACVIA)-Allergic Rhinitis and its Impact on Asthma (ARIA)
WAF = World Allergy Forum

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IT = Immunotherapy
OA = Ocular Allergy
P = Pediatrics
PC = Allergy management in Primary Care
PO = Primary Immunodeficiency
POD = Patient Organizations
VE = Veterinary Allergy

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### EAACI/UEMS Exam

**11:00 – 14:00**

<table>
<thead>
<tr>
<th>Exam EAACI/UEMS Exam</th>
<th>Room 116</th>
</tr>
</thead>
</table>

EAACI administers the annual European Knowledge Examination for Allergy and Clinical Immunology which will take place for the eighth time at the EAACI Congress 2015 in Barcelona. The exam includes about 100 multiple-choice questions in English and candidates have 3 hours to complete it. It does not replace or substitute for any currently existing national examinations that are regularly held by national bodies. The hope is that this examination will help to further increase standards in the fields of allergy and clinical immunology in Europe, and everyone has the opportunity to use it as a tool for self evaluation. For more information and registration please consult the website: http://www.eaaci.org/activities/eaaci-exam.html.

### Clinical Village

**14:00 – 18:00**

<table>
<thead>
<tr>
<th>Clinical Village</th>
<th>Entrance Hall</th>
</tr>
</thead>
</table>

The Clinical Village offers an excellent opportunity for attendees to try out different procedures and equipment used in the diagnosis and treatment of allergic diseases.

**Opening hours:**
- Saturday, 6 June: 14:00 – 18:00
- Sunday, 7 June: 12:00 – 16:00

### Postgraduate Courses (PG 1)

**14:00 – 17:30**

<table>
<thead>
<tr>
<th>Allergen-specific Immunotherapy (AIT) [Advanced]</th>
<th>Room 124</th>
</tr>
</thead>
</table>

**Chairs:**
- Oliver Pfaar, Germany
- Lars Jacobsen, Denmark

**Training in AIT: European consensus?**
Lars Jacobsen, Denmark

**Outcomes in AIT: position paper**
Oliver Pfaar, Germany

**Visit to the Clinical Village**

**Coffee Break**

**Rare allergens in AIT: enough evidence for practical use?**
Ludger Klimek, Germany

**Safety profile of AIT: current view and future developments**
Desiree Larenas-Linnemann, Mexico

**Visit to the Clinical Village**

**The role of patient reported outcomes in AIT prescription and follow-up**
Giovanni Passalacqua, Italy

### Postgraduate Courses (PG 2)

**14:00 – 17:30**

<table>
<thead>
<tr>
<th>Dermatology for the allergist [Basic]</th>
<th>Room 125</th>
</tr>
</thead>
</table>

**Chairs:**
- Marcus Maurer, Germany
- Werner Aberer, Austria

**Urticaria – what else could it be?**
Marcus Maurer, Germany

**Visit to the Clinical Village**

**Coffee Break**

**Atopic dermatitis – differential diagnosis**
Charlotte Gotthard Mertz, Denmark

**How to diagnose a rash**
Knut Brockow, Germany

**Visit to the Clinical Village**
Postgraduate Courses (PG 3) 14:00 – 17:30

Diagnosis of food allergy – IG Food Allergy [Basic]  Room 127

Chairs: Montserrat Fernández-Rivas, Spain
Bodo Niggemann, Germany

Food allergy – an overview
André Knulst, The Netherlands

In vivo and in vitro testing
Rodrigo Rodrigues Alves, Portugal

Visit to the Clinical Village

Challenge
Montserrat Fernández-Rivas, Spain

Coffee Break

Facilitators
Bodo Niggemann, Germany

Visit to the Clinical Village

Postgraduate Courses (PG 4) 14:00 – 17:30

Update on the management of asthma exacerbations [Basic]  Room 128

Chairs: Enrico Heffler, Italy
Eckard Hamelmann, Germany

Role of exacerbations for asthma severity and disease progression
Eckard Hamelmann, Germany

Visit to the Clinical Village

Detection and prediction of asthma exacerbations
Arzu Bakirtas, Turkey

Coffee Break

Treatment and prevention of asthma exacerbations
Enrico Heffler, Italy

Visit to the Clinical Village

Postgraduate Courses (PG 5) 14:00 – 17:30

Microbiome and Immunity: their relationships and effects on asthma [Advanced]  Room 129

Chairs: Liam O’Mahony, Switzerland
Andrew Wardlaw, United Kingdom

Role of the microbiome in the pathogenesis of asthma
Andrew Wardlaw, United Kingdom

How can lifestyle, diet and environment affect asthma/allergy? Towards a more holistic management of (allergic) airway disease?
Adnan Custovic, United Kingdom

Visit to the Clinical Village

Microbiome and immunity
Liam O’Mahony, Switzerland

Coffee Break

Effect of asthma treatment on the local and systemic microbiome (and vice versa)
Yvonne J. Huang, United States

Visit to the Clinical Village

How does microbiome affect chronic rhinosinusitis and asthma?
Ruby Pawankar, Japan
Postgraduate Courses (PG 6)  14:00 – 17:30

Inflammation-driven management of asthma [Advanced]  Room 130

Chairs: Jürgen Schwarze, United Kingdom
Svetlana Sergejeva, Estonia

Targeting eosinophils
Svetlana Sergejeva, Estonia

Remodeling-associated inflammation
Pedro Ojeda, Spain

Visit to the Clinical Village

Coffee Break

The role of neutrophils in asthma
Parameswaran Nair, Canada

Dendritic cells and asthma
Jürgen Schwarze, United Kingdom

Visit to the Clinical Village

---

Postgraduate Courses (PG 7)  14:00 – 17:30

Diet and allergic diseases [Basic]  Room 131

Chairs: Vanessa Garcia Larsen, United Kingdom
George Konstantinou, Greece

Is the timing of exposure to diet important for the development of allergic diseases?
Vanessa Garcia Larsen, United Kingdom

Visit to the Clinical Village

The issue of confounding in epidemiological studies of diet and asthma
Seif Shaheen, United Kingdom

Coffee Break

What can we learn from studies on dietary exposures and allergic diseases in small children?
Kai-Håkon Carlsen, Norway

The complex nature of diet as a modifiable risk factor for asthma: Mediterranean diet or single foods?
André Moreira, Portugal

Visit to the Clinical Village

Vitamin D and allergic diseases
Camargo Jr Carlos, United States

---

Postgraduate Courses (PG 8)  14:00 – 17:30

Allergic Rhinitis [Basic]  Room 132

Chairs: Valerie Hox, Belgium
Giuseppina Rotiroti, Italy

Usefulness of the measurement of nasal nitric oxide in allergic rhinitis management
Philippe Gevaert, Belgium

Visit to the Clinical Village

Differential diagnosis in ENT allergy
Valerie Hox, Belgium

Coffee Break

New developments in allergic rhinitis treatment
Giuseppina Rotiroti, Italy

Visit to the Clinical Village
### Postgraduate Courses (PG 9)  14:00 – 17:30

<table>
<thead>
<tr>
<th><strong>Chronic urticaria in children [Basic]</strong></th>
<th>Room 133</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chairs:</strong> Montserrat Alvaro, Spain</td>
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<td>Umit Sahiner, Turkey</td>
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<tr>
<td><strong>Epidemiology of chronic urticaria in childhood</strong></td>
<td>Montserrat Alvaro, Spain</td>
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<tr>
<td><strong>Visit to the Clinical Village</strong></td>
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<tr>
<td><strong>Coffee Break</strong></td>
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<tr>
<td><strong>The practical tools for diagnosis of underlying causes of chronic urticaria in children</strong></td>
<td>Mario Sanchez Borges, Venezuela</td>
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<tr>
<td><strong>Visit to the Clinical Village</strong></td>
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<tr>
<td><strong>Natural history of chronic urticaria and risk factors for its persistence in children</strong></td>
<td>Umit Sahiner, Turkey</td>
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</tbody>
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### Postgraduate Courses (PG 10)  14:00 – 17:30

<table>
<thead>
<tr>
<th><strong>Allied Health – translating hot topics into everyday practice [Basic]</strong></th>
<th>Room 134</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chairs:</strong> Isabel Skypala, United Kingdom</td>
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<td></td>
<td>Berber Vlieg-Boerstra, The Netherlands</td>
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<tr>
<td><strong>Nutrition and food allergy – not just healthy eating</strong></td>
<td>Kate Grimshaw, United Kingdom</td>
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<tr>
<td><strong>Visit to the Clinical Village</strong></td>
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<tr>
<td><strong>Food challenges – from guidelines to reality</strong></td>
<td>Berber Vlieg-Boerstra, The Netherlands</td>
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<tr>
<td><strong>Coffee Break</strong></td>
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<tr>
<td><strong>The EAACI guidelines on food allergy diagnosis – implementation in everyday nursing and dietetic practice</strong></td>
<td>Isabel Skypala, United Kingdom</td>
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<tr>
<td><strong>Visit to the Clinical Village</strong></td>
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<tr>
<td><strong>Adherence in the food allergic child – giving practical support</strong></td>
<td>Inger Kull, Sweden</td>
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</table>

### Opening Ceremony  19:00 – 20:00

<table>
<thead>
<tr>
<th><strong>Opening Ceremony</strong></th>
<th>Auditorium</th>
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### Welcome Reception  20:00 – 23:00

<table>
<thead>
<tr>
<th><strong>Welcome Reception</strong></th>
<th>Auditorium</th>
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</table>

### Junior Member and Affiliates (JMA)  20:00 – 22:00

<table>
<thead>
<tr>
<th><strong>JMA Poster Session</strong></th>
<th>Foyer of the Auditorium</th>
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</thead>
</table>
Some sessions fill up quickly. Arrive early to guarantee your entry. If you have missed a session, you can catch up on it at the Virtual Congress Hub in the Exhibition Hall.

**Meet the Expert**

07:30 – 08:15

**Meet the Expert (MTE 1)**

Room M213

Immune mechanisms in ocular allergy
Virginia Calder, United Kingdom

**Meet the Expert (MTE 2)**

Room 124

Dietary preparation and management of double-blind placebo-controlled oral food challenges
Berber Vlieg-Boerstra, The Netherlands

**Meet the Expert (MTE 3)**

Room 125

How to revise an original article
Hans-Uwe Simon, Switzerland

**Meet the Expert (MTE 4)**

Room 123

Interpreting basophil sensitivity for the clinic
Alexandra Santos, United Kingdom

**Meet the Expert (MTE 5)**

Room 122

Clinical aspects of ocular allergy
Jean Luc Fauquert, France

**Plenary Symposium (PL 1)**

08:30 – 10:00

Optimising asthma control
Auditorium

Chairs:
Tomás Chivato, Spain
Nikos Papadopoulos, Greece

Monitoring symptoms and preventing exacerbations
Kian Fan Chung, United Kingdom

Biological treatment
Paul O’Byrne, Canada

Added value of biomarkers
Stephen Holgate, United Kingdom

**Plenary Symposium (PL 2)**

08:30 – 10:00

Changing the natural history of allergy
Hall A

Chairs:
Víctoria Cardona, Spain
Antonella Muraro, Italy

Mechanisms of allergen tolerance
Cezmi Akdis, Switzerland

The developing patterns of sensitisation
Paolo Matricardi, Germany

Prevention of new clinical allergies
Anthony Frew, United Kingdom

**Symposium (SYM 1)**

10:30 – 12:00

To feed or not to feed: new data from cohort studies
Auditorium

Chairs:
Motohiro Ebisawa, Japan
Carina Venter, United Kingdom

Learning from cohorts
Kirsten Beyer, Germany

Early introduction of peanut
Gideon Lack, United Kingdom

Early introduction of egg
Katie Allen, Australia
Symposium (SYM 2)  10:30 – 12:00
Atopic dermatitis, what is the pathomechanism?  Room 212

Chairs:  Carsten Bindslev-Jensen, Denmark
         Antti Lauerma, Finland

The link between Type I allergy and atopic dermatitis
Carla Bruijnzeel-Koomen, The Netherlands

Type IV allergy and atopic dermatitis
Tilo Biedermann, Germany

PRO – Filaggrin is an important factor in AD
Natalija Novak, Germany

CON – Filaggrin is an important factor in AD
Radoslaw Spiewak, Poland

Symposium (SYM 3)  10:30 – 12:00
Sensing the environment in allergy  Hall B

Chairs:  Liam O’Mahony, Switzerland
         Gail Gauvreau, Canada

Sensing the environment
Donata Vercelli, United States

Factors shaping allergy in childhood
Erika von Mutius, Germany

New onset allergic sensitisation in adults
Torben Sigsgaard, Denmark

Symposium (SYM 4)  10:30 – 12:00
Controversies in hypersensitivity reactions to drugs  Room 111

Chairs:  Lene Heise Garvey, Denmark
         Ramon Lleonart, Spain

Is there a consensus on classification?
Andreas Bircher, Switzerland

Reactions in children, are they true allergic?
Eva Gomes, Portugal

Multiple drug hypersensitivity syndrome, does it exist?
Anca Mirela Chiriac, France

Symposium (SYM 5)  10:30 – 12:00
Immunotherapy and panallergen sensitisation  Room 112

Chairs:  Joaquin Sastre, Spain
         Antoine Magnan, France

How relevant is panallergen sensitisation to the development of allergies?
Fatima Ferreira, Austria

Component-resolved diagnostics: predictive value in AIT?
Ignacio Ansotegui, Spain

PRO – AIT is effective in panallergens sensitisation
Riccardo Asero, Italy

CON – AIT is effective in panallergens sensitisation
Linda Cox, United States
Symposium (SYM 6)  10:30 – 12:00
Challenging guideline constructions in asthma
Room 114
Chairs: Vibeke Backer, Denmark
Santiago Quirce, Spain
Unanswered questions in primary care
David Price, Singapore
Where do observational studies fit in?
Nicolas Roche, France
Academia/industry relationship in guideline construction
Richard Lockey, United States

Symposium (SYM 7)  10:30 – 12:00
Women in science – at the forefront of asthma research
Room 117
Chairs: Antonella Muraro, Italy
Ioana Agache, Romania
Mechanisms of inducing and breaking allergen tolerance in asthma
Mübeccel Akdis, Switzerland
From phenotypes to endotype driven asthma treatment
Monica Kraft, United States
Unmet needs in allergic rhinitis and chronic rhinosinusitis research in relation to the lower airways
Wytske Fokkens, The Netherlands

Workshop 1  10:30 – 12:00
European Referent Networks
Room 120 - 121
Chairs: Peter Hellings, Belgium
European Referent Network implementation
Enrique Terol, Belgium

Sister Society Symposium (SSS 1)  10:30 – 12:00
AAAAI Symposium: Childhood asthma – can it be prevented?
Room 211
Chair: Robert Lemanske, United States
Allergic sensitization: a prerequisite for asthma in childhood?
Adnan Custovic, United Kingdom
The contribution of microbes: the good, the bad, and the ugly
James Gern, United States
Asthma genetics: can genotype predict disease expression and/or severity?
Carole Ober, United States
Asthma prevention: early life intervention using an immunomodulator
Fernando Martinez, United States

Oral Abstract Session (OAS 1)  10:30 – 12:00
Food allergy: diagnosis
Room 113
Chairs: Karin Hoffmann-Sommergruber, Austria
Ronald van Ree, The Netherlands
Component resolved diagnostics – how important are posttranslational modifications?
Karin Hoffmann-Sommergruber, Austria
Comprehensive clinical study on cashew nut allergy: preliminary results
van der Valk J.P.M.,1 Gerth van Wijk R.,1 Wichers H.J.,2 Dubois A.E.J.,3 de Groot H.H.,4 de Jong N.W.1
1Erasmus MC, Allergology, Rotterdam, The Netherlands, 2Wageningen UR Food & Biobased Research, Wageningen, The Netherlands, 3University Medical Center Groningen, Pediatric Pulmonology and Pediatric Allergology, Groningen, The Netherlands, 4Department of Pediatric Allergology, Delft, The Netherlands

MicroRNAs in the regulation of airway inflammation
Chairs:

1 LTP syndrome: new insights into its characteristics Moreno N.,1 Luengo O.,1 Labrador M.,1 Sala-Cunill A.,1 Guilarte M.,1 Cardona V.1
1Hospital Universitari Vall d’Hebron, Allergy Section, Barcelona, Spain

2 Identification of orange Peamaclein as a new allergen in orange allergy
Inomata N.,1 Miyagawa M.,1 Aihara M.1
1Yokohama City University, Dermatology, Yokohama, Japan

3 Evaluation of individual sensitisation patterns to shrimp allergens in patients with seafood allergy using ImmunoCAP ISAC microarray
Hemmer W.,1 Sesztak-Greinecker G.,1 Wöhrl S.1
1Floridsdorf Allergy Centre, Vienna, Austria

4 Oral Abstract Session (OAS 2) 10:30 – 12:00

Mechanisms and pathophysiology of rhinitis and rhinosinusitis
Room 115

Chair:
Valerie Hox, Belgium
Ignacio Dávila, Spain

MicroRNAs in the regulation of airway inflammation

Pathogenicity of memory Th2 cell is linked to sensitisation and stage of allergic rhinitis
Inomata T.,1,2 Okamoto Y.3
1Chiba University Graduate School of Medicine, Otorhinolaryngology, Chiba, Japan, 2Chiba University Graduate School of Medicine, Advanced Allergology of the Airway, Chiba, Japan, 3Chiba University Graduate School of Medicine, Otorhinolaryngology, Chiba, Japan

Coexistence of dual systemic allergic rhinitis and local allergic rhinitis
Salas M.1, Blanca M.1, Campo P.1, Rondón C.1, Barrionuevo E.1, Blanca-López N.1, María Auxiliadora G.1, María José T.1, Gómez P.1
1Allergy Unit, Regional University Hospital of Málaga, IBIMA, Málaga, Spain, 2Allergy Unit, Infanta Leonor University Hospital, Madrid, Spain

Nasal and ocular response to nasal challenge and irritants in patients with allergic rhinitis
Kalogjera L.1, Tomljenovic D.2, Baudoin T.2, Bokulic A.3, Bukovec Z.2
1University Hospital Centre, ORL Head and Neck, Zagreb, Croatia, 2University Hospital Centre ‘Sestre Milosrdnice’, ORL Head and Neck, Zagreb, Croatia, 3University Hospital Centre ‘Sestre Milosrdnice’, ORL Lab, Zagreb, Croatia

In vitro responses to native Ole e1 in classic and local allergic rhinitis
Campo P.1, Rondon C.1, Villalba M.1, Barrionuevo E.1, Galindo L.1, Lopez-Rodriguez J.C.2, Torres M.J.1, Mayorga C.1, Blanca M.1
1Regional University Hospital of Malaga, IBIMA, UMA, Malaga, Spain, 2Faculty of Chemistry, Complutense University of Madrid, Department of Biochemistry and Molecular Biology, Madrid, Spain

Aggravation of airway inflammation and hyperresponsiveness following nasal challenge with Dermatophagoides pteronyssinus in perennial allergic rhinitis patients without symptoms of asthma
Wang W.J.1, Xian M.1, Xie Y.Q.1, Zheng J.P.2, Li J.2
1The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China

Red meat allergy and IgE antibody responses against glycans
Apostolovic D.1,2, Tran T.A.T.1, Sánchez-Vidaurre S.1, Bigdeli N.1, Cirkovic Velickovic T.2, Hamsten C.1,3, van der Heijden H.1,2, van Haeg M.1
1Karolinska Institutet and University Hospital, Medicine, Clinical Immunology and Allergy Unit, Stockholm, Sweden, 2University of Belgrade, Faculty of Chemistry, Center of Excellence in Molecular Food Sciences, Belgrade, Serbia, 3Karolinska Institutet, Center for Inflammatory Disease, Stockholm, Sweden

The diagnostic value of the basophil activation test using Ara h 2 and Ara h 6 in children with suspected peanut allergy
van Erp F.C.1, Lagrou J.2, Knulst A.C.2, Meijer Y.1, van der Ent C.K.1, Knol E.F.1,3
1University Medical Centre Utrecht, Department of Paediatric Pulmonology and Allergology, Utrecht, The Netherlands, 2University Medical Centre Utrecht, Department of Dermatology and Allergology, Utrecht, The Netherlands, 3University Medical Centre Utrecht, Department of Immunology, Utrecht, The Netherlands

MP29-02* reduces both eosinophil survival and proinflammatory cytokine secretion from nasal epithelial cells in an in vitro model of human nasal eosinophilic inflammation
Roca-Ferrer J.1,2, Puig J.L.1,2, Pérez-González M.1,2, Abolid I.1,2,3, Valero A.1,2,4, Picado C.1,2,4, Murray R.1, Mullol J.1,2,3
1Institut d’Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Clinical and Experimental Respiratory Immunology, Barcelona, Spain, 2Centro de Investigaciones Biomédicas en Red de Enfermedades Respiratorias (CIBERES), Barcelona, Spain, 3Hospital Clinic, Rhinology Unit & Snell Clinic, ENT Department, Barcelona, Spain, 4Hospital Clinic, Allergy Unit, Pneumology and Allergy Department, Barcelona, Spain, 5Medscript, Dundalk, Ireland

Aggravation of airway inflammation and hyperresponsiveness following nasal challenge with Dermatophagoides pteronyssinus in perennial allergic rhinitis patients without symptoms of asthma
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1Regional University Hospital of Malaga, IBIMA, UMA, Malaga, Spain, 2Faculty of Chemistry, Complutense University of Madrid, Department of Biochemistry and Molecular Biology, Madrid, Spain
Oral Abstract Session (OAS 3)  10:30 – 12:00

**Novel allergens**

**Chairs:**
Barbara Bohle, Austria
Kitty Verhoeckx, The Netherlands

13 **Al16 protein from the parasite Ascaris lumbricoides has strong IgE-binding capacity but has no allergenic properties**
Manotas M.1, Zakuk J.1,2, Coronado S.1, Ahumada V.1, Carballo L.1,2
1University of Cartagena, Institute for Immunological Research, Cartagena, Colombia, 2Fundermex, Cartagena, Colombia

14 **Multiple Der p 1 mutant with reduced IgE reactivity based on X-ray crystal structures of epitopes**
Pomés A.1, Glesner J.1, Viales L.D.1, Chruszcz M.2, Chapman M.D.1
1Indoor Biotechnologies, Inc., Basic Research, Charlottesville, United States, 2University of South Carolina, Department of Chemistry and Biochemistry, Columbia, United States

15 **Bet v 1 is a lipocalin-like allergen capable of binding to siderophore-bound iron thereby skewing T-helper cell responses**
Gómez-Casado C.1,2, Roth-Walter F.1, F Pacios L.1, Mothes –Lüksch N.3, Roth G.3, Singer J.3, Díaz-Perales A.1, Jensen-Jarolim E.3
1CBGP (UPM-INIA), Madrid, Spain, 2Lund University, EMV-Immunology, Lund, Sweden, 3Messerli Research Institute of the University of Veterinary Medicine, Medical University and University Vienna, Vienna, Austria, 4Allergycare, Vienna, Austria, 5Medical University of Vienna, Vienna, Austria

**Oral Abstract Session (OAS 4)  10:30 – 12:00**

**Urticaria and angioedema – management**

**Chairs:**
Torsten Zuberbier, Germany
Marta Ferrer, Spain

What’s new in the management of urticaria and angioedema
Torsten Zuberbier, Germany

19 **Prediction of the efficacy of five antihistamines in chronic spontaneous urticaria with conventional or higher doses, based on histamine wheal diameter change**
Sanchez J.1, Zakuk J.2, Cardona R.1
1University of Antioquia, Medellín, Colombia, 2University of Cartagena, Cartagena, Colombia

20 **Omalizumab improved symptoms in all three phase III trials conducted in patients with inadequately controlled chronic spontaneous/idiopathic urticaria (CSU/CIU): a post-hoc analysis of percent change from baseline**
Casale T.1, Maurer M.2, Saini S.S.3, Bernstein J.A.4, Kaplan A.5, Rosén K.6, Khalil S.7
1University of South Florida, Tampa, United States, 2Charité - Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 3Johns Hopkins Asthma and Allergy Center, Baltimore, United States, 4University of Cincinnati, Cincinnati, United States, 5The Medical University of South Carolina, Charleston, United States, 6Genentech, Inc., South San Francisco, United States, 7Novartis Pharma AG, Basel, Switzerland
### Oral Abstract Session (OAS 5)

**New trends in hymenoptera venom allergy and anaphylaxis**

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<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>10:30 – 12:00</td>
<td>Omalizumab effectively reduces angioedema episodes in CSU patients</td>
<td>Staubach P.1, Metz M.2, Chapman-Rothe N.3, Sieder C.3</td>
<td>1University of Munich, 2University of Hamburg, 3Universität Ulm</td>
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<td></td>
<td>A multicentre, randomised, double-blind, placebo-controlled pilot study of quilizumab in patients with refractory chronic spontaneous urticaria</td>
<td>Harris J.M.1,2, Cabanski C.1, Scheerens H.1, Samineni D.1, Bradley M.S.1, Cochran C.1, Staubach P.1, Metz M.1, Sussman G.1, Maurer M.1</td>
<td>1Aarhus University, 2Aarhus University, 3Aarhus University</td>
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<td>Increased risk of immunotherapy treatment failure in bee venom allergic patients with predominant sensitisation to Api m 3 and Api m 10</td>
<td>Frick M.1, Bantleon F.2, Fischer J.1, Helbling A.1, Rüeff F.2, Wieczorek D.1, Pfützner W.1, Ollert M.2, Biedermann T.3,8, Huss-Marp J.1, Müller S.1, Lidholm J.1, Spillner E.2, Jakob T.1</td>
<td>1University of Munich, 2University Medical Center Freiburg, 3Technical University Munich, 4Radbod University, 5Helmholtz Centre Munich, 6University Medical Center Tübingen, 7University Medical Center Freiburg, 8University Medical Center Tübingen, 9University of Munich, 10Universidad de Navarra</td>
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<td>Sensitivity of sIgE detection to rApi m 1 differs considerably between currently available immunoassays</td>
<td>Scharutzer C.1, Bokanovic D.1, Schwarz I.1, Laipold K.1, Aberer W.1, Sturm G.1</td>
<td>1Medical University of Graz, 2University of Graz, 3Medical University of Graz, 4Medical University of Graz, 5Medical University of Graz</td>
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<td>Antigens 5 of different hymenoptera species are highly cross-reactive and do not allow the clear identification of the culprit venom</td>
<td>Schiener M.1,2, Eberlein B.3, McIntyre M.4, Darsow U.4, Schwarze L.5, Schmidt-Weber C.1,2, Spillner E.2, Ollert M.2, Blank S.1,2</td>
<td>1Technische Universität München, 2Department of Dermatology and Venerology, 3Medical University of Graz, 4Medical University of Graz, 5Medical University of Graz</td>
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<td>Burden of chronic spontaneous urticaria in comparison to psoriasis: European patients’ perspective</td>
<td>Bajo M-M.1, Vietri J.2, Tian H.2</td>
<td>1Novartis Pharma AG, Basel, Switzerland, 2Novartis Pharmaceutical Corporation, East Hanover, NJ, United States</td>
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<td>Evaluation of disease control in chronic urticaria: real-life study using UCT</td>
<td>Iranzi C.1, El Haber C.1</td>
<td>1Hotel Dieu de France Hospital, St Joseph University, Internal Medicine/Allergy, Beirut, Lebanon</td>
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<td>Basophils and high affinity IgE receptor in anaphylaxis</td>
<td>Korosec P.1, Silar M.1, Rijavec M.1, Celesnik Smodis N.2, Kopac P.1, Erzen R.1, Zidarn M.1, Kosnik M.1</td>
<td>1University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia, 2University Medical Center Ljubljana, 3University Medical Center Ljubljana</td>
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**Chairs:** Darío Antolín Amerigo, Spain
Hanneke Oude-Elberink, The Netherlands
Oral Abstract Session (OAS 6) 10:30 – 12:00

**Food allergy: mechanisms**

**Rooms 131–132**

**Chairs:** Clare Mills, United Kingdom
Lars K. Poulsen, Denmark

**The role of allergen structure in sensitisation and elicitation of allergic reactions**
Clare Mills, United Kingdom

1 Are 30-minute time intervals between dose steps in oral food challenges adequate? Results based on the passive transfer of IgE mediated cutaneous reactivity in heterologous subjects
Pahlow Mose A.1, Gotthard Mortz C.1, Eller E.1, Inglev Steffansen S.2, Bindseil-Jensen C.1
1Odense Research Centre for Anaphylaxis (ORCA), Department of Dermatology and Allergy Centre, Odense University Hospital, Odense, Denmark, 2Odense University Hospital, Department of Nuclear Medicine, Odense, Denmark

2 Food allergic infants have impaired regulatory T cell responses following in vivo allergen exposure
Dang T.D.1,2, Allen K.J.1,2, Martino D.1, Koplin J.J.1,2, Licciardi P.V.1,2, Tang M.L.1,2,3, HealthNuts Study Investigators
1Murdoch Childrens Research Institute, Parkville, Australia, 2University of Melbourne, Paediatrics, Parkville, Australia, 3Royal Children's Hospital, Allergy and Immunology, Parkville, Australia

3 Characteristics associated with protection from food allergy development in an oral mouse immunisation protocol under gastric acid suppression
Diesner S.C.1,2, Schultz C.1, Pfitzner B.1, Assmann V.E.1, Krishnamurthy D.1, Kreiner K.1, Weichselbaumer M.1,2, Starkl P.1, Ewigger T.2, Szeftalusi Z.2, Feigenbahn H.1, Jensen-Jarolim E.1,4, Hartmann A.1, Pali-Schöll I.1,4, Untersmayr E.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Pediatrics and Adolescent Medicine, Vienna, Austria, 3Helmholtz Center Munich, Department of Microbe-Plant Interactions, Neuherberg, Germany, 4University of Veterinary Medicine Vienna, Medical University Vienna and University Vienna, Comparative Medicine, Messerli Research Institute, Vienna, Austria, 5Leibniz Center for Medicine and Biosciences, Priority Area Asthma & Allergy, Borstel, Germany

**Poster Discussion Session (PDS 1) 10:30 – 12:00**

**New clinical data in AIT**

**Poster Discussion Zone 1**

**Chair:** Eva-Maria Varqa, Austria

1 Is premedication important to prevent reactions in cluster immunotherapy?
Olqaz M.1, Demir S.1, Ünal D.1, Gelincik A.1, Colakoğlu B.1, Büyüükoztrak S.1
1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey

2 Correlation of field data with environmental challenge chamber (ECC) data in grass pollen allergic patients
Plückhahn K.1, Meyer H.1, Preachter C.1, Narkus A.1, Hänfer D.1
1Allergopharma GmbH & Co. KG, Reinbek, Germany

220 Relationship between pollen dispersal and the severity of allergy symptoms and immunotherapy: allergen immunotherapy regulates symptoms at the peak, but not in the early period, of pollen dispersal
Okamoto Y.1, Sakurai T.1, Iinuma T.1, Sakurai D.1, Yonekura S.1, Okubo K.2, Kaneko S.3, Konno A.4
1Chiba University Graduate School of Medicine, Otorhinolaryngology, Chiba, Japan, 2Nippon Medical School, Otorhinolaryngology, Tokyo, Japan, 3Torii Pharmaceutical Co.,Ltd., Tokyo, Japan, 4South Tohoku General Hospital, Otolaryngology Unit, Koriyama, Japan

221 Real life safety experience with 5-grass pollen sublingual tablet for the treatment of grass pollen-induced allergic rhinoconjunctivitis
Didier A.1, Bons B.2, Zeldin R.K.2
1Larrey Hospital, Toulouse, France, 2Stallergenes S.A., Antony, France

217 Correlation of the intracutaneous test (ICT) and environmental challenge chamber (ECC) data from a Phleum pratense pollen allergoid trial
Hansen S.1, Tribanek M.1, Preachter C.1, Narkus A.1, Hänfer D.1
1Allergopharma GmbH & Co. KG, Reinbek, Germany

218 Correlation of field data with environmental challenge chamber (ECC) data in grass pollen allergic patients
Plückhahn K.1, Meyer H.1, Preachter C.1, Narkus A.1, Hänfer D.1
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1Chiba University Graduate School of Medicine, Otorhinolaryngology, Chiba, Japan, 2Nippon Medical School, Otorhinolaryngology, Tokyo, Japan, 3Torii Pharmaceutical Co.,Ltd., Tokyo, Japan, 4South Tohoku General Hospital, Otolaryngology Unit, Koriyama, Japan

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Didier A.1, Bons B.2, Zeldin R.K.2
1Larrey Hospital, Toulouse, France, 2Stallergenes S.A., Antony, France

**Sunday, 7 June 2015**
222 Consistent efficacy of a 300IR birch pollen sublingual immunotherapy solution assessed by proportion of symptom-controlled days
Worm M.1, Rak S.2, Arvidsson M.2, Radu C.3, De Blay F.3, Malling H.-J.4
1Campus Charité Mitte, Universitätsmedizin Berlin, Allergy-Centrum-Charité, Berlin, Germany, 2Sahlgrenska University Hospital, Asthma and Allergy Research Group, Department of Respiratory Medicine and Allergology, Göteborg, Sweden, 3Strasbourg University Hospital, Chest Diseases Department, Strasbourg, France, 4University Hospital, Allergy Clinic, Copenhagen, Denmark

223 House dust mite sublingual immunotherapy for respiratory allergies in allergist practice (the ACTIVE study)
Miguez M.1, Delaix B.2, Jeanpetit Y.3, Ebbo D.4, Massable Y.-P.5, De Blay F.5
1Clinique de L’Union, Service de Pneumologie et Allergologie, Saint-Jean, France, 2Centre de Pneumologie de l’enfant, Boulogne Billancourt, France, 3Sallergenes, Antony, France, 4Private Practice, Paris, France, 5Private Practice, Marseille, France, 6Nouvel Hopital Civil, Service de Pneumologie, Strasbourg, France

224 A randomised DBPC dose-finding multicentre trial of SLIT allergoids in house dust mites (HDM) allergic patients
Mösges R.1, Dieterich P.1, Häser C.1, Singh J.1, Allekotte S.1, Shah-Hosseini K.1, Compalati E.2
1University Hospital of Cologne, Institute of Medical Statistics, Informatics and Epidemiology, Cologne, Germany, 2Lofarma S.p.A., Milano, Italy

225 Early onset and sustained year-round effect of the SQ HDM SLIT-tablet in HDM respiratory allergy
Klimek L.1, Horak F.2, Kuna P.2, Ziegelmayer P.4, Seitzberg D.5, Broge L.5, Nolte H.6
1Center for Rhinology and Allergology, Wiesbaden, Germany, 2Research Consult GmbH, Dptm. Vienna Challenge Chamber, Vienna, Austria, 3Medical University of Lodz, Lodz, Poland, 4Vienna Challenge Chamber, Institute for Allergy Research, Vienna, Austria, 5ALK, Hørsholm, Denmark, 6ALK, Paris, France, 7Whitehouse Station, United States

226 The SQ HDM SLIT-tablet is well tolerated in adults with HDM respiratory allergic disease (HDM allergic asthma (AA) and/or allergic rhinitis (AR)): evidence from 2500 subjects in 4 clinical trials
Emminger W.1, Calderon M.2, Maloney J.3, Svanholm Fogh B.4, Fejerskov P.5, Hernandez D.6
1Allergy Outpatient Clinic, Vienna, Austria, 2Section of Allergy and Clinical Immunology, Imperial College, London, United Kingdom, 3Merck & Co., Inc., Kenilworth, NJ, United States, 4ALK, Hørsholm, Denmark, 5IIS Hospital La Fe, Valencia, Spain

227 Characteristics of adult patients with house dust mite respiratory allergy in allergist practice
Demoly P.1, Brouè-Chabbert A.2, Wessel F.2, Chartier A.3
1Centre Hospitalier Universitaire de Montpellier, Département de Pneumologie et Addictologie, Montpellier, France, 2Centre Hospitalier Universitaire de Toulouse, Département de Pédiatrie, Pneumologie et Allergie, Toulouse, France, 3Centre Hospitalier Universitaire de Nantes, Département de Pneumologie, Nantes, France, 4ALK, Département Médical, Courbevoie, France

228 Latex immunotherapy effectiveness
Araruno A.1, Nucera E.1, Buonomo A.1, Pecora V.1, Rizzi A.1, Pascolini L.1, Ricci A.G.1, Di Rienzo A.1, Centrone M.2, Romiti R.2, Mezzacappa S.1, Schiavino D.1
1Policlinico A. Gemelli, Roma, Italy

229 Deciphering the dose-response effect of peanut Epicutaneous ImmunoTherapy (EPIT) in peanut allergic subjects
1Hôpital Necker, Enfants Malades, Pediatrics-Gastroenterology, Paris, France, 2Université Paris-Descartes, Paris, France, 3DBV Technologies, Bagneux, France, 4University of Ottawa Medical School, Ottawa, Canada, 5University of Toronto Faculty of Medicine, Toronto, Canada, 6Children’s Hospital of Philadelphia, Philadelphia, United States, 7Stanford University School Medicine, Palo Alto, United States, 8Alpha Medical Research, Mississauga, Canada, 9Rady Children’s Hospital, University of California, San Diego, United States, 10Ann and Robert H. Lurie Children’s Hospital of Chicago, Chicago, United States, 11Hôpital St Vincent de Paul, Lille, France, 12Cincinnati Children’s Hospital Medical Center, Cincinnati, United States, 13Nouvel Hôpital Civil, Strasbourg, France, 14University of Texas South Western Medical Center, Dallas, United States, 15Northwest Asthma and Allergy Center, Seattle, United States, 16Hôpital Pellegrin-Enfants, Bordeaux, France, 17Hôpitaux Périphériques de Nice CHU-Lenvial, Nice, France, 18Massachusetts General Hospital for Children, Boston, United States, 19CRAAQ, Québec, Canada, 20Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, United States, 21Erasmus Medical Center, Rotterdam, The Netherlands, 22University Medical Center, Utrecht, The Netherlands, 23Hôpitaux de Brabois, Vandoeuvre-lès-Nancy, France, 24Medical University of Lodz, Lodz, Poland, 25Boston Children’s Hospital, Boston, United States, 26Icahn School of Medicine at Mount Sinai, New York, United States
Diagnostic tools in nasal respiratory diseases

Chair: Carmen Rondon, Spain

230 The role of infrared thermography in the assessment of nasal provocation test
Herkerova M.¹, Padertova B.², Cap P.¹, Hosman J.², Petru V.¹
¹Hospital Na Homolce, Allergology and Clinical Immunology, Prague, Czech Republic, ²Czech Technical University, Faculty of Biomedical Engineering, Prague, Czech Republic

231 Anxiety and depression are directly related with allergy symptoms in patients with rhinitis, with differences depending on the type of allergy: Results of Animo Study
Valero A.¹, Garani V.², Perea E.², García J.², Giralt E.³
¹Hospital Clinic, Department of Pulmonology and Respiratory Allergy, Barcelona, Spain, ²Laboratorios Leti, Barcelona, Spain, ³Grupo Saned, Barcelona, Spain

232 Atelectasis of middle ear in patient with allergic rhinitis
Zabolotnyi D.I.¹, Kruk Young M.M.¹
¹IstInstitute of Otolaryngology Prof. O.S. Kolomychenka NAMS Ukraine, Kyiv, Ukraine, ²Llviv National Danylo Haltsky Medical University, Otorhinolaryngology, Lviv, Ukraine

233 Functional state of the Eustachian Tube in patient with allergic rhinitis
Kruk M.B.¹, Kruk Young M.M.¹
¹Llviv National Danylo Haltsky Medical University, Otorhinolaryngology, Lviv, Ukraine

234 Relationship between irritant triggers and the severity of rhinitis in the children with allergic and nonallergic rhinitis
Baek J.H.¹, Cho E.¹, Lee S.W.¹, Kang Y.S.¹, Shin Y.H.¹, Jee H.M.², Jung Y.-H.¹, Han M.Y.¹
¹CHA University School of Medicine, Seongnam, Republic of Korea

235 To estimate the major allergen in multi-sensitised children with rhinitis: is nasal provocation really needed?
Yuce E.G.¹, Ogulur L.¹, Karakoc-Aydiner E.¹, Baris S.¹, Kiykim A.¹, Sahin Yilmaz A.², Oysu C.², Ozen A.¹, Barlan I.¹
¹Marmara University, Division of Pediatric Allergy-Immunology, Istanbul, Turkey, ²Izmir Institute of Technology, Izmir, Turkey

236 Chronic cough in children
Manole F.
¹Faculty of Medicine, ENT, Oradea, Romania

237 Oral administration of Lactobacillus paracasei NCC2461 for the modulation of grass pollen allergic rhinitis: a randomised, placebo-controlled study during the pollen season
Nembrini C.¹, Singh A.¹, Vissers Y.¹, Mercenier A.¹, Nutten S.¹, Blanchard C.¹
¹Nestlé Research Center, Lausanne, Switzerland

238 Imaging analysis of conjunctival provocation by placebo treatment
Astvatsatourouy A.¹, Gloistein C.¹, Mösges R.¹
¹University Hospital of Cologne, Institute of Medical Statistics, Informatics and Epidemiology, Cologne, Germany

239 The impact of allergic rhinitis on the sense of smell in pediatric population (The OLFAPEDRIAL study)
Langdon C.¹, Guilemany J.M.¹, Allobid L.², Bartra J.², Dávila I.³, del Cuvillo A.⁴, Ferrer M.⁴, Jaregueli I.⁴, Molina X.⁴, Montoro J.⁵, Sastre J.⁵, Valero A.⁶, Mullol J.⁷
¹Hospital Clinic - IDIBAPS, Unitat de Rinologia i Clínica de l’Ollfatge, Servei d’Otorinolaringologia, Barcelona, Spain, ²Hospital Clinic - IDIBAPS, Unitat d’Alergènia, Servei de Pneumologia i Alergènia Respiratòria, Barcelona, Spain, ³Hospital Clínico, Servicio de Inmunología, Salamanca, Spain, ⁴Clínica Dr. Lobatón Cádiz, Otorrinolaringología, Cádiz, Spain, ⁵Clínica Universitaria de Navarra, Alergia, PAMPLona, Spain, ⁶Hospital de Basurto, Alergología, Bilbao, Spain, ⁷Inficiencia, RPS, Barcelona, Spain, ⁸Hospital La Piana, Alergia, Villarreal, Spain, ⁹Fundación Jiménez Díaz, Alergia, Madrid, Spain, ¹⁰Hospital Clinic - IDIBAPS, Clinical & Experimental Respiratory Immunology, Barcelona, Spain

240 Allergic rhinitis phenotypes based on mono-allergy or poly-allergy
Gelardi M.¹, Leo E.¹, Iannuzzi L.¹, Quaranta N.¹, Ciprandi G.², Incorvaia C.², Buttavasa S.³, Frati F.³
¹University of Bari, Section of Otolaryngology, Department of Neuroscience and Sensory Organs, Bari, Italy, ²IRCCS-AOU San Martino, Genoa, Italy, ³ICP Hospital, Allergy/Pulmonary Rehabilitation, Milan, Italy, ²Stallergenes Italia, Medical and Scientific Department, Milan, Italy

241 Therapeutic effects of intranasal cyclosporine for eosinophilic rhinosinusitis with nasal polyps and asthma
Jeon S.-Y.¹, Joo Y.-H.¹, Kim S.-W.¹, Cho H.J.¹
¹Gyeongsang National University Hospital, Otorhinolaryngology, Jinju, Republic of Korea, ²Institute of Health Sciences, Jinju, Republic of Korea

242 Effect of lipopolysaccharide on glucocorticoid receptor function in control nasal mucosa fibroblasts and in fibroblasts from patients with chronic rhinosinusitis with nasal polyps and asthma
Fernández-Bertolin L.¹,², Mollol J.³-⁵, Fuentes-Prado M.³, Roca-Ferrer J.¹, Allobid L.¹,², Picado C.³,⁶, Pujols L.¹,²
¹IDIBAPS, Clinical and Experimental Respir. Immunology, Barcelona, Spain, ²Centre de Investigaciones Biomédicas en Red de Enfermedades Respiratorias (CIBERes), Madrid, Spain, ³Hospital Clinic, Rhinology and Smell Unit, ENT Department, Barcelona, Spain, ⁴University of Barcelona, Hospital Clinic, Pneumology and Allergy Department, Barcelona, Spain

243 Mesenchymal stem cells administered intraperitoneally have a potent effects on the experimental allergic airway disease
İşik S.¹, Aran-Gökbulut A.², Karaman M.², Kiray M.², Başgıyaniç H.A.³, Çağlayan-Sözmen Ş.³, Kozanoğlu I.², Karaman Ö.¹, Baran Y.², Uzuner N.²
¹Dokuz Eylül University Faculty of Medicine, Pediatric Allergy and Immunology, İzmir, Turkey, ²İzmir Institute of Technology, İzmir, Turkey, ³Dokuz Eylül University Faculty of Medicine, Department of Microbiology, İzmir, Turkey, ⁴Dokuz Eylül University Faculty of Medicine, Department of Histology, İzmir, Turkey, ⁵Başkent University, Department of Physiology, Ankara, Turkey
Phenotypes and biomarkers in asthma

**Phenotypes and biomarkers in asthma Poster Discussion Zone 3**

**Poster Discussion Session (PDS 3)**

**Phenotypes and biomarkers in asthma**

**244** miR-143 inhibits interleukin-13-induced inflammatory cytokine and mucus production in primary nasal epithelial cells from allergic rhinitis patients

Teng Y\(^1\), Li Y\(^1\), Gao Y\(^1\), Li J\(^1\)

\(^1\)Hangzhou First People's Hospital, Otorhinolaryngology, Hangzhou, China

**245** Psychological status of adolescents with atopic asthma

Klyuchareva A\(^1\), Artemyeva A\(^1\)

\(^1\)Kazan State Medical University, Kazan, Russian Federation

**246** Coping attitudes of parents with stressful events may affect asthma control in school-age children

Yavuz S.T\(^1\), Sari O\(^2\), Aydoğan U\(^2\), Yesillik S\(^3\), Saldır M\(^4\), Kartal O\(^5\), Gök F\(^6\)

\(^1\)GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey, \(^2\)GATA School of Medicine, Department of Family Physicians, Ankara, Turkey, \(^3\)GATA School of Medicine, Department of Adult Allergy and Immunology, Ankara, Turkey, \(^4\)GATA School of Medicine, Department of Pediatrics, Ankara, Turkey

**247** Differences in cognitive profile in patients with asthma and chronic obstructive pulmonary disease (COPD)

Ali A\(^1\), Mohammed A\(^1\), Mourad S\(^1\)

\(^1\)Sohag University, Sohag, Egypt

**248** A three year follow-up of asthma, respiratory symptoms and self-reported allergy, among pilots and cabin attendants

Fu X\(^1\), Wieslander G\(^1\), Lindgren T\(^2\), Janson C\(^2\), Norback D\(^1\)

\(^1\)Uppsala University, Department of Medical Sciences / Occupational and Environmental Medicine, Uppsala, Sweden, \(^2\)Uppsala University, Department of Medical Sciences / Respiratory Medicine and Allergology, Uppsala, Sweden

**249** Loss of smell as symptom-guide to discriminate chronic rhinosinusitis from rhinitis alone in asthma patients

Castillo J.A\(^1\), Picado C\(^1\), Plaza V\(^2\), Rodríguez G\(^2\), Juliá B\(^3\), Mullol J\(^4\), and IRIS-Asma Investigators

\(^1\)Hospital Universitario Quirón Dexeus, Pneumology, Barcelona, Spain, \(^2\)Hospital Clínic, Pneumology, Barcelona, Spain, \(^3\)Hospital de la Santa Creu i Sant Pau, Pneumology, Barcelona, Spain, \(^4\)Hospital de las Fuerzas Armadas, Pneumology, Montevideo, Uruguay, \(^3\)Departamento Médico MSD-España, Madrid, Spain, \(^4\)Hospital Clínic, IDIBAPS&Rhinology Unit ,ENT, Barcelona, Spain

**250** Asthma is less age-dependently associated with allergic sensitisation compared to rhinitis

Warm K\(^1\), Hedman L\(^2\), Lindberg A\(^1\), Lötvall J\(^1\), Lundbäck B\(^3\), Rönemark E\(^2\)

\(^1\)Umeå University, Department of Public Health and Clinical Medicine, Division of Medicine, the OLIN Unit, Luleå, Sweden, \(^2\)Umeå University, Department of Public Health and Clinical Medicine, Occupational and Environmental Medicine, the OLIN Unit, Luleå, Sweden, \(^3\)University of Gothenburg, Krefting Research Center, Institute of Medicine, Gothenburg, Sweden

**251** Wheeze phenotypes and its relation to asthma persistence until adolescence

Pite H\(^1\), Pereira A.M.\(^1,2\), Gonçalves Â.\(^1\), Morais-Almeida M.\(^1\)

\(^1\)CUF Descobertas and CUF Infante Santo Hospitals, Allergy Center, Lisbon, Portugal, \(^2\)NOVA Medical School / Faculdade de Ciências Médicas, Universidade Nova de Lisboa, CEDOC, Chronic Diseases Research Center, Lisbon, Portugal, \(^3\)CUF-Porto Hospital and Instituto, Allergy Unit, Porto, Portugal

**252** Blood lipids associates with childhood asthma, altered lung function and aeroallergen sensitisation

Vinding R.K\(^1\), Stokholm J.\(^2\), Chawes B.\(^2\), Bisgaard H\(^2\)

\(^1\)Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, University of Copenhagen, Nastved Hospital, Pediatrics, Nastved, Denmark, \(^2\)Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, University of Copenhagen, Gentofte, Denmark

**253** Association of exposure to volatile organic compounds (VOCs) and phthalates with respiratory function in children with asthma

Kim Y-M\(^1\), Kim J.\(^1\), Han Y.\(^1\), Lee J.\(^1\), Jeong J.\(^1\), Hong S.\(^1\), Ahn K.\(^2\)

\(^1\)Samsung Medical Center, Environmental Health Center for Atopic Diseases, Seoul, Republic of Korea, \(^2\)Samsung Medical Center, Sungkyunkwan University School of Medicine, Department of Pediatrics, Seoul, Republic of Korea

**254** Prevalence of asthma severity signs in the West Sweden Asthma Study

Mincheva R\(^1\), Lundbäck B.\(^1\), Lötvall J.\(^1\)

\(^1\)Krefting Research Centre, Gothenburg, Sweden

**255** Associations between dendritic cells, farm-related exposures and childhood asthma

Martikainen M.-V.\(^3\), Kaárriö H.\(^1\), Karvonen A.\(^2\), Schröder P.C.\(^3\), Renz H.\(^4\), Kaulek V.\(^3\), Dalphin J.-C.\(^5\), von Mutius E.\(^3\), Schaub B.\(^3\), Pekkanen J.\(^3\), Hirvonen M.-R.\(^1,2\), Andren M.\(^1\)

\(^1\)University of Eastern Finland, Department of Environmental Science, Kuopio, Finland, \(^2\)National Institute for Health and Welfare, Department of Health Protection, Kuopio, Finland, \(^3\)Dr. von Hauner Children’s Hospital LMU Munich, Department of Allergy and Pulmonary, Munich, Germany, \(^4\)Philipps University, Institute of Laboratory Medicine, Pathobiocchemistry and Molecular Diagnostics, Marburg, Germany, \(^5\)University Hospital of Besançon, Department of Respiratory Disease, Besançon, France, \(^6\)University of Helsinki, Department of Public Health, Helsinki, Finland

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256 Systematic review of childhood asthma prediction models
Pinart M.1,2,3, Smit H.A.4, Lodrup-Carlsen K.5, Keil T.6,7, Antó J.M.1,2,3
1Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain, 2Hospital del Mar Research Institute (IMIM), Barcelona, Spain, 3CIBER Epidemiología y Salud Publica (CIBERESP), Barcelona, Spain, 4Julius Center for Health Sciences and Primary Care, Public Health, Health Technology Assessment, Medical Humanities, Utrecht, The Netherlands, 5Oslo University Hospital and University of Oslo, Department of Pediatrics, Oslo, Norway, 6Institute for Social Medicine, Epidemiology and Health Economics, Charité - Universitätsmedizin Berlin, Berlin, Germany, 7Institute of Clinical Epidemiology and Biometry, University of Würzburg, Würzburg, Germany

257 Vitamin D insufficiency in asthmatic patients
Popescu A.1, Grebescu R.2
1Pop de Basesti Medical Centre, Bucharest, Romania, 2Medas Clinic, Bucharest, Romania

Environmental Discussion Session (PDS 4)
10:30 – 12:00

Environmental heterogeneity and asthma and allergies

255 Ragweed (Ambrosia artemisiifolia): How does Ambrosia pollen react to different air pollution? A systems biology approach
Frank U.1,2, Zhao F.3, El-Kelish A.1, Heller W.1, Braun P.1, Durner J.1, Winkler J.B.1, Engel M.1, Pfeifer M.1, von Törne C.1, Hauck S.M.1, Oder S.2,3, Traidl-Hoffmann C.2,3, Ernst D.1,2
1Helmholtz Zentrum München, German Research Center for Environmental Health, Neuberger, Germany, 2CK-CARE, Christine Kühne – Center for Allergy Research & Education, Davos, Switzerland, 3University of Applied Science Munich, Munich, Germany, 4ZAZUM – Center for Allergy & Environment Munich, Technical University and Helmholtz Zentrum München, Munich, Germany, 5Institute of Environmental Medicine, UNIKA-T, Technical University München, Munich, Germany

256 Identification of IgE reactive proteins from pollens of Lagerstroemia speciosa and Spathodea campanulata – two avenue trees of West Bengal
Baski T.1, Bhattacharya K.2, Pandey N.3
1Hanyang University Guri Hospital, Pediatrics, Guri Kyunggi-Do, Republic of Korea, 2Daegjin University, Nature Science, Pocheon, Republic of Korea, 3National Meteorological Research Institute, Applied Meteorology Lab, JeJu, Republic of Korea

257 The effect of CO2-enriched atmospheres to producing of allergenic pollen by ragweed
Oh J.-W.1, Baek W.-K.2, Kim K.-R.3
1Hanyang University Guri Hospital, Pediatrics, Guri Kyunggi-Do, Republic of Korea, 2Daegjin University, Nature Science, Pocheon, Republic of Korea, 3Institute of Environmental Medicine, UNIKA-T, Technical University München, Munich, Germany

258 The major olive pollen allergen, Ole e 1, interacts with raft-like microdomains
Lopez-Rodriguez J.C.1, Cruz A.1, Hidalgo A.1, San Segundo-Acosta P.1, Martín-Pedraza L.1, Vilalba M.1, Rodríguez R.1, Pérez-Ol J.1, Batanero E.1, Bárderas R.1
1Universidad Complutense de Madrid, Biochemistry & Molecular Biology I, Madrid, Spain

259 Asian sand dust increases MUC8 and MUC5B expressions via TLR4-dependent ERK2 and p38 MAPK in human airway epithelial cells
Kim Y.-R.1,2, Choi Y.S.3, Na H.G.1, Bae C.H.1, Song S.-Y.1
1College of Medicine, Yeungnam University, Otorhinolaryngology-Head and Neck Surgery, Daegu, Republic of Korea, 2Regional Center for Respiratory Diseases, Yeungnam University Medical Center, Daegu, Republic of Korea

260 The effect of environmentally friendly wallpaper and flooring material on indoor air quality and atopic dermatitis: a pilot study
Byun S.Y.1, Jeong M.Y.1, Park K.C.1, Na J.I.1, Huh C.H.1
1Seoul National University College of Medicine, Seoul National University Bundang Hospital, Dermatology, Seongnam-si, Republic of Korea

261 Grass pollen allergy season 2014 – a multidisciplinary case study in Vienna: temporal variation in pollination of grass species, impact on pollen allergy sufferers and species-dependent allergenicity
Kmenta M.1,2, Zetter R.1, Bastl K.1, Kramer M.3, Mwange J.3, Hewings S.3, Skinner M.3, Berger U.1
1Medical University of Vienna, Research Group Aerobiology and Pollen Information, Department of Otorhinolaryngology, Vienna, Austria, 2University of Vienna, Research Group Paleobotany and Palynology, Department of Paleontology, Vienna, Austria, 3Allergy Therapeutics Plc, Worthing, United Kingdom

262 Pollution, pollen and OpenHealth data
Thibaudon M.1, Monnier S.1, Michelot N.2, Auvigne V.3
1RNSA, Brussieu, France, 2MEDDE, Paris, France, 3EKIPAJ, Angers, France

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1Seoul National University College of Medicine, Seoul National University Bundang Hospital, Dermatology, Seongnam-si, Republic of Korea

264 Real time monitoring of seasonal allergic rhinitis using drug sales data
Auvigne V.1, Annesi-Maesano I.2,3, Thibaudon M.4, Capone C.5, Guérin P.6
1Paris, France, 2ETH, Lausanne, Switzerland, 3Institut Pasteur, Paris, France, 4MEDDE, Paris, France, 5EKIPAJ, Angers, France, 6Faculty of Pharmacy, University Complutense de Madrid, Biochemistry & Molecular Biology I, Madrid, Spain

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1Medical University of Vienna, Research Group Aerobiology and Pollen Information, Department of Otorhinolaryngology, Vienna, Austria, 2University of Vienna, Research Group Paleobotany and Palynology, Department of Paleontology, Vienna, Austria, 3Allergy Therapeutics Plc, Worthing, United Kingdom

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1Paris, France, 2ETH, Lausanne, Switzerland, 3Institut Pasteur, Paris, France, 4MEDDE, Paris, France, 5EKIPAJ, Angers, France, 6Faculty of Pharmacy, University Complutense de Madrid, Biochemistry & Molecular Biology I, Madrid, Spain

Sunday, 7 June 2015

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Early airborne allergen exposure is not associated with sensitisation in young children

Schoos A.-M.M., 1 Chawes B.L.K., 1 Jelding-Dannemand E., 1 Elfman L.B., 2 Bisgaard H. 1
1 Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, Gentofte, Denmark, 2 Occupational and Environmental Medicine, Uppsala University, Department of Medical Sciences, Uppsala, Sweden

Higher exposure to outdoor air pollution during infancy increase the risk of development of allergic rhinitis

Lee J.Y., 1,2 Kim J., 1,2 Kim E.H., 1,2 Han Y., 2 Choi J., 1,2 Kim K.H., 1,2 Hong J., 1,2 Oh I.-B., 2 Cheong H.K., 2 Ahn K., 1,2
1 Samsung Medical Center, Department of Pediatrics, Seoul, Republic of Korea, 2 Samsung Medical Center, Environmental Health Center for Atopic Diseases, Seoul, Republic of Korea

Particulate air pollution is associated with increased inflammatory and allergic symptoms in adolescents

Lambrechts N., 1 Govarts E., 1 Den Hond E., 1 Franken C., 1 Nelen V., 1 Loots I., 1 Baeyens W., 1 Sioen I., 1 Nawrot T., 1 Bruckers L., 1 Schoeters G. 1,3,7
1 VITO NV, Mol, Belgium, 2 Provincial Institute for Hygiene, Antwerp, Belgium, 3 University of Antwerp, Antwerp, Belgium, 4 Free University of Brussels, Brussels, Belgium, 5 University of Ghent, Ghent, Belgium, 6 University of Hasselt, Hasselt, Belgium, 7 University of Southern Denmark, Odense, Denmark

Dusty air pollution is associated with an increase risk of allergic diseases in southwestern part of Iran

Farrokhi S. 1
1 Department of Immunology, Asthma and Allergy, The Persian Gulf Tropical Medicine Research Center, Bushehr University of Medical Sciences, Bushehr, Islamic Republic of Iran

Statistical analysis of the relationships between aeroallergens (pollen activities) and asthma admissions to hospitals in Abu Dhabi Emirate

Al Hashemi R.M., 1 Al Maini D.M.2
1 Masdar Institute of Science and Technology, Abu Dhabi, United Arab Emirates, 2 Mafraq Hospital, Rheumatology, Abu Dhabi, United Arab Emirates

The effect of air pollutants on chronic cough

Jo E.-J., 1 Lee W.-S., 2 Lee S.-E., 2 Lee S.-H., 1 Mok J.-H., 1 Kim M.-H., 1,2 Lee K., 1 Kim K.-U., 1 Lee M.-K., 1 Park H.-K. 1
1 Pusan National University School of Medicine, Department of Internal Medicine, Busan, Republic of Korea, 2 APEC Climate Center, Climate Research Department, Busan, Republic of Korea, 3 Pusan National University Yangsan Hospital, Department of Internal Medicine, Yangsan, Republic of Korea
Symposium (SYM 8)  13:30 – 15:00
Reducing the burden of anaphylaxis  Auditorium
Chairs: Andrea Siracusa, Italy
Beatrice Bilò, Italy

Implementation of the guidelines
Antonella Muraro, Italy

Managing anaphylaxis in community settings
Ioana Agache, Romania

Rationalisation of precautionary labelling
Graham Roberts, United Kingdom

Symposium (SYM 9)  13:30 – 15:00
Coding allergy: getting it right!  Room 211
Chairs: Tomás Chivato, Spain
Pablo Rodríguez del Rio, Spain

Painting the scenario: why changes in the ICD are needed?
Pascal Demoly, France

Strategies for implementing ICD-11
Luciana K. Tanno, Brazil

EAACI involvement and the impact on allergy practice
Nikos Papadopoulos, Greece

Symposium (SYM 10)  13:30 – 15:00
Uncovering primary care databases  Room 212
Chairs: Dermot Ryan, United Kingdom
Maximiliano Gomez, Argentina

Practical aspects
Peter Smith, Australia

Identifying unmet research needs of allergy patients
Osman Yusuf, Canada

Eosinophilia in patients in primary care
Mike Thomas, United Kingdom

Symposium (SYM 11)  13:30 – 15:00
Systematic reviews in asthma and allergy epidemiology: filling the gaps  Hall B
Chairs: Deborah Jarvis, United Kingdom
Christian Apfelbacher, Germany

Systematic reviews of asthma epidemiology
Jon Genuite, Germany

Systematic reviews of atopic eczema epidemiology
Hywel C. Williams, United Kingdom

Systematic reviews of food allergy epidemiology
Aziz Sheikh, United Kingdom
Symposium (SYM 12)  13:30 – 15:00
Cutting edge developments in immunodeficiency - Joint session with ESID  
Room 111

Chairs: Ibon Eguiluz-Gracia, Norway  
       María Dolores Hernández F. de Rojas, Spain

Immunodeficiencies associated with features of allergy phenotype  
Andrew Cant, United Kingdom

An ancestral Th2 pathway regulated by IgD  
Andrea Cerutti, Spain

Molecular allergology differentiates between atopic disease and Hyper IgE Syndrome  
Stephen Jolles, United Kingdom

Symposium (SYM 13)  13:30 – 15:00
Cat allergy  
Room 112

Chairs: Linda Cox, United States  
       Emilio Álvarez-Cuesta, Spain

Epidemiology and prevention  
Thomas Platts-Mills, United States

New diagnostic tools (order)  
Marianne van Hage, Sweden

PRO – Peptides are more effective than extracts in treatment  
Marek Jutel, Poland

CON – Peptides are more effective than extracts in treatment  
Jörg Kleine-Tebbe, Germany

Symposium (SYM 14)  13:30 – 15:00
Local allergic rhinitis  
Room 115

Chairs: Wytske Fokkens, The Netherlands  
       Paloma Campo, Spain

Differences in prevalence throughout Europe  
Ludger Klimek, Germany

What discriminates LAR?  
Philippe Gevaert, Belgium

Therapeutic challenges of LAR  
Carmen Rondon, Spain

Workshop (WS 2)  13:30 – 15:00
Ethics: How to perform our daily practice as European allergologists  
Rooms 120–121

Chairs: Glenis Scadding, United Kingdom  
       Otto Spranger, Austria

Transparency – Continuous Professional Development: the patient as a partner  
Enrique Terol, Belgium

This session is strictly limited to 60 attendees. Arrive early to guarantee your entry.
Hot Topic (HT 1)  

Immunotherapy Hot Topic Session  

Hall A  

13:30 – 15:00  

Clinical efficacy of a recombinant B cell epitope-based grass pollen allergy vaccine – a phase Ib proof of concept study  
Rudolf Valenta, Austria  

EASSI: the first European survey on immunotherapy in real life: the results  
Moisés Calderón, United Kingdom  

Immunotherapy with sublingual tablets. Is it the future?  
Ronald Dahl, Denmark  

New aspects on betalactam allergy  
Maria Jose Torres, Spain  

New betalactams more complexity in diagnosis  
Ronald Dahl, Denmark  

Genetic and inflammatory basis of asthma  
Ronald Dahl, Denmark  

Oral Abstract Session (OAS 7)  

Room 113  

13:30 – 15:00  

New aspects on betalactam allergy  
Maria Jose Torres, Spain  

37 The beta-lactam allergy in an intensive care unit: a prospective study  
Baynova K.1, Rivera G.2, Garnacho J.3, López J.M.2, Quiralte J.1, Cimbollek S.3, Ferrándiz C.M.2, Amaya R.2  
1University Hospital ‘Virgen del Rocío’, Allergology, Seville, Spain, 2University Hospital ‘Virgen del Rocío’, Intensive Care Medicine, Seville, Spain  

38 Study of penicillin epitopes conformation/disposition in carrier dendrimer molecules vs sIgE molecular recognition relationships  
Montanez M.I.1,2, Mayorga C.1,3, Najera F.2,4, Ariza A.1, Fernandez T.D.1, Salas M.3, Martin-Serrano A.1,2, Blanca M.1, Perez-Inestrosa E.2,4, Torres M.J.2  
1IBIMA, Regional University Hospital of Malaga, UMA, Allergy Unit, Malaga, Spain, 2IBIMA, Regional University Hospital of Malaga, UMA, Allergy Unit, Malaga, Spain, 3University of Málaga, Department of Organic Chemistry, Malaga, Spain  

39 Prospective study on allergy to penicillins in Spanish children. The APENIN study  
Audicana M.T.1,2, Rodríguez del Río P.1, Joral Badas A.1,3, Lasa Luaces E.1, Candelaria M.R.2, Ibáñez M.D.2, APENIN  
1Hospital Universitario de Alava, Allergy Department, Vitoria-Gasteiz, Spain, 2Hospital Niño Jesús, Allergy Department, Madrid, Spain, 3Hospital Universitario de Donostia, Donostia, Spain  

40 Diagnostic workup in children with suspected hypersensitivity to beta-lactam antibiotics – revised algorithm  
de Castro E.D.1, Carolino F.1, Cernadas J.R.1  
1Centro Hospitalar São João, EPE, Porto, Portugal  

41 Is a re-provocation test required in patients who have negative provocation tests with beta-lactam antibiotics?  
Capasangol M.1, Vezir E.1, Dibek Misirlioglu E.1, Güvenir H.1, Buyuktiryaki A.B.1, Toyran M.1, Kocabas C.N.2  
1Ankara Children’s Hematology Oncology Training and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey, 2Mugla Sitki Kocman University Faculty of Medicine, Pediatric Allergy, Mugla, Turkey  

42 Intracutaneous test with penicillin after priming of the skin with autologous serum containing specific IgE to penicillin  
Tannert L.K.1, Falkencrone S.2, Mortz C.1, Skov P.S.1,2, Bindslev-Jensen C.1  
1Odense Research Centre For Anaphylaxis (ORCA), Department Of Dermatology And Allergy Centre, Odense University Hospital, Odense C, Denmark, 2RefLab, Copenhagen, Denmark  

Oral Abstract Session (OAS 8)  

Room 114  

13:30 – 15:00  

Genetic and inflammatory basis of asthma  
Suleymen Tolga Yavuz, Turkey  

What is the link?  
Suleymen Tolga Yavuz, Turkey  

43 Low levels of serum hsa-mir-486 as a biomarker of childhood asthma  
Inoue Y.1, Dissanayake E.1, Nakano T.2, Kudo K.1, Misumi S.3, Ide T.2, Yamamoto T.1, Chiba K.4, Yamaide F.1, Yamaide A.2, Arima T.4, Tomiita M.3, Hoshioka A.3, Shimojo N.1, Kohno Y.5  
1Graduate School of Medicine, Chiba University, Department of Pediatrics, Chiba, Japan, 2Chiba Rosai Hospital, Ichihara, Japan, 3Chiba University Hospital, Department of Allergy and Rheumatology, Chiba, Japan, 4Kimitsu Chuo Hospital, Department of Pediatrics, Kimitsu, Japan, 5Chiba Rosai Hospital, Ichihara, Japan  

www.eaaci2015.com
44 Genome-wide association study including 125,000 individuals identifies 44 independent variants associated with the risk of allergic disease
Ferreira M.A.1, Paternoster L.2, Tian C.3, Baltic S.4, Matheson M.C.5, Duffy D.L.1, Hopper J.L.5, Dharmage S.C.5, Montgomery G.W.1, Thompson P.J.6, Martin N.J.1, Hinds D.3
1QIMR Berghofer Medical Research Institute, Brisbane, Australia, 2University of Bristol, Bristol, United Kingdom, 323andMe Inc., Mountain View, United States, 4Lung Institute of Western Australia, Perth, Australia, 5Melbourne School of Population and Global Health, Melbourne, Australia

45 Retinoic acid selectively modulated PTGDR expression in A549 lung carcinoma cell line
García-Sánchez A.1, Marcos-Vadillo E.2, Hernández-Hernández L.2, Sanz C.3, Lafford E.1,2, Gracia T.2, Lorente F.1,3, Dávila L.1, Isidore-García M.2,3
1Departamento de Pediatría, Universidad de Salamanca, Salamanca, Spain, 2Servicio de Bioquímica Clínica. Complejo Asistencial Universitario de Salamanca, Salamanca, Spain, 3Servicio de Alergia. Complejo Asistencial Universitario de Salamanca, Salamanca, Spain, 4Departamento de Microbiología. Universidad de Salamanca, Salamanca, Spain, 5Departamento de Medicina. Universidad de Salamanca, Salamanca, Spain

46 A decreased mean platelet volume is associated with loss of asthma control and exacerbation in school-age children with asthma
Yavuz S.T.1, Gursel O.2, Koc O.2, Eker I.2, Demirel F.2, Babacan O.2, Baysan A.2, Saldir M.3, Sener O.4, Gok F.3
1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey, 2GATA School of Medicine, Department of Pediatric Hematology, Ankara, Turkey, 3GATA School of Medicine, Department of Pediatric, Ankara, Turkey, 4GATA School of Medicine, Department of Adult Allergy and Immunology, Ankara, Turkey

Expression of interferon λ1 and interferon regulatory factor 7 (IRF7) in response to parainfluenza virus 3 (PIV-3) infection in primary bronchial epithelial cells (BECs) from patients with various asthma phenotypes
Moskwa S.1,2, Piotrowski W.1, Marczak J.1, Pawelczyk M.1, Lewandowska-Polak A.1, Jarzebska M.1, Brauncajs M.2, Globinska A.1, Piechota-Polanczyk A.1, Mikolajczyk A.1, Gorski P.1, Papadopoulos N.G.4, Edwards M.R.5, Johnston S.L.5, Kowalski M.1
1Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Healthy Ageing Research Centre, Lodz, Poland, 2Medical University of Lodz, Department of Microbiology and Laboratory Medical Immunology, Lodz, Poland, 3Medical University of Lodz, Department of Pneumonology and Allergy, Lodz, Poland, 4National and Kapodistrian University of Athens, Allergy Research Centre, 2nd Pediatric Clinic, Athens, Greece, 5Imperial College London, National Heart and Lung Institute, London, United Kingdom

The MicroRNAs and genes involved in asthma with the treatment of mesenchymal stem cells derived from human bone marrow
Fu Q.-L.1, Yao Y.1, Tang G.-N.1, Shi J.1, Sun Y.-Q.1, Deng X.-Q.1
1The First Affiliated Hospital, Sun Yat-sen University, Otorhinolaryngology Hospital, Guangzhou, China

Oral Abstract Session (OAS 9) 13:30 – 15:00

Mechanisms in drug hypersensitivity reactions Room 116

T cells in drug hypersensitivity
Dean Naisbitt, United Kingdom

49 The improvement of in vitro test for diagnosis of allopurinol-induced severe cutaneous adverse drug reactions
Klaewsongkram J.1, Praditpol C.1, Mongkolphathum P.1, Thantwisorat P.1, Chulalongkorn Allergy and Clinical Immunology Research Group
1Chulalongkorn University, Division of Allergy and Clinical Immunology, Department of Medicine, Faculty of Medicine, Bangkok, Thailand

50 Cytokine secretion and proliferative capacity of CD4+ T cells in delayed type hypersensitivity reactions due to ciprofloxacin
Ertik B.1, Demir S.1, Küçükezer U.C.2, Gelincik A.1, Colakoğlu B.1, Buyukozturk S.1, Deniz G.2, Pur Ozyigit L.2, Cetin Aktas E.2
1Istanbul University, Istanbul Faculty of Medicine, Istanbul, Turkey, 2Istanbul University, Institute of Experimental Medicine (DETAE), Istanbul, Turkey

CD4+ and CD8+ T-cells isolated from blood and skin of patients with β-lactam hypersensitivity secrete Interleukin-22, but not Interleukin-17
Sullivan A.1, Faulkner L.1, Farrell J.1, Whitaker P.2, Peckham D.2, Park B.K.1, Naisbitt D.1
1University of Liverpool, Department of Molecular and Clinical Pharmacology, Liverpool, United Kingdom, 2St James Hospital, Regional Adult Cystic Fibrosis Unit, Leeds, United Kingdom

Identifying and characterising the complexities of sulfamethoxazole-specific T-cell responses
Gibson A.1, Faulkner L.1, Ogose M.1, Lichtenfels M.1, Esser P.2, Martin S.2, Alfrevic A.1, Pirmohamed M.1, Park B.K.1, Naisbitt D.1
1University of Liverpool, MRC Centre for Drug Safety Science, Department of Molecular and Clinical Pharmacology, Liverpool, United Kingdom, 2University Medical Center Freiburg, Department of Dermatology, Freiburg, Germany
### Oral Abstract Session (OAS 10)

**AIT: efficacy and clinical outcomes**

**Rooms 127-128**

**Chairs:** Oliver Pfarr, Germany  
Domingo Barber, Spain

#### Outcome-measures in AIT: update 2015

Oliver Pfarr, Germany

53 **The lymphocyte transformation test (LTT) and the in vitro amplification of beta-lactam-specific memory T-cells in children with positive drug provocation test (DPT) with amoxicillin-clavulanic acid (AMX/CA)**

Mori F.1, Filil L.2, Sarti L.1, Barni S.1, Parronchi P.2, Novembre E.M.1  
1Allergy Unit, Anna Meyer Children’s Hospital, University of Florence, Department of Pediatric, Florence, Italy  
2Unit of Internal Medicine, University of Florence, Department of Experimental and Clinical Medicine, Florence, Italy

54 **Usefulness of lymphocyte transformation test (LTT) and the in vitro amplification of beta-lactam-specific memory T-cell in delayed severe hypersensitivity reactions (HRs) to amoxicillin and clavulanic acid (AMX/CA) in children**

Sarti L.1, Mori F.1, Barni S.1, Filil L.2, Parronchi P.2, Novembre E.1  
1Allergy Unit, A. Meyer Children’s Hospital, Florence, Italy,  
2Unit of Internal Medicine, Department of Experimental and Clinical Medicine, Florence, Italy

55 **Comparison of the treatment effect of house dust mite synthetic peptide immuno-regulatory epitopes and field setting two years after a short course of treatment**

Hafner R.P.1, Salapatek A.M.2, Larché M.3, Ahenkorah B.4, Patel P.2, Pawsey S.1  
1Circassia Ltd, Oxford, United Kingdom  
2Immamex Research, Mississauga, Canada  
3McMaster University, Hamilton, Canada  
4Adiga Life Sciences, Hamilton, Canada

56 **Efficacy and safety of consecutive sublingual immunotherapy with droplet of Japanese cedar pollen extract in patients with Japanese cedar pollinosis**

Okubo K.1, Okamoto Y.2, Gotoh M.1, Kaneko S.3, Konno A.4  
1Nippon Medical School, Otolaryngology, Tokyo, Japan  
2Chiba University, Otolaryngology, Chiba, Japan  
3Torii Pharmaceutical Company, Drug Development, Tokyo, Japan  
4South Tohoku General Hospital, Otolaryngology, Kohriyama, Japan

57 **Phase IIb follow-up trial of sustained efficacy of AllerT™ allergy vaccine during a second birch pollen season**

Della Corte G.1, Jutel M.2, Jacobsen L.2, De Blay F.1, Worm M.1, Spertini F.1, Rak S.1, Kettnier A.1, Reymond C.1, Charlon V.1  
1Anergis SA, Epalinges, Switzerland  
2Wroclaw Medical University, Wroclaw, Poland  
3Allergy Learning, Copenhagen, Denmark  
4CHRU, Strasbourg, France  
5Charité - Universitätsmedizin Berlin, Berlin, Germany  
6CHUV, Lausanne, Switzerland  
7Sahlensgrea University Hospital, Gothenberg, Sweden

### Late Breaking Oral Abstract Session (LBO 1)

**Biologicals and novel (immune) pathomechanisms in allergic diseases**

**Rooms 129-130**

**Introductory lecture**

1515 **Interim analysis results of a phase 1b, multiple ascending dose study to evaluate DX-2930, a fully human monoclonal antibody inhibitor of plasma kallikrein in development for long-term prophylaxis of hereditary angioedema**

1Massachusetts General Hospital, Boston, United States  
2Mount Sinai School of Medicine, New York, United States  
3Triumpharma, Amman, Jordan  
4AARAV Research Center, Dallas, United States  
5Winthrop University Hospital, Mineola, USA
1516 Dupilumab in chronic sinusitis with nasal polyposis, with and without asthma

Bachert C.,1,2 Mannent L.,3 Nacerio R.M.,4 Mullol J.,5 Ferguson B.J.,6 Jiao L.,7 Wang L.,7 Evans R.R.,7 Pirozzi G.,7 Graham N.M.,8 Swanson B.,1,2 Hamilton J.D.,9 Radin A.,9 Gandhi N.,9 Stahl N.,9 Yancopoulos G.D.,9 Sutherland E.R.7

1 University Hospital Ghent, Upper Airways Research Laboratory (URL), Ghent, Belgium, 2Karolinska Institutet, Clincet, Stockholm, Sweden, 3Sanofi R&D, Chilly Mazarin, France, 4The University of Chicago, Chicago, United States, 5Hospital Clinic-IDIBAPS, Barcelona, Spain, 6University of Pittsburgh Medical Center, Pittsburgh, United States, 7Sanofi R&D, Bridgewater, United States, 8Regeneron Pharmaceuticals, Inc., Tarrytown, United States, 9Eli Lilly and Company, Indianapolis, United States, 10Cincinnati College of Medicine, Cincinnati, United States, 11Dermatology, Lake Oswego, United States, 12Acclarent, Menlo Park, United States, 13University of California, La Jolla, United States, 14Regeneron Pharmaceuticals, Inc., Tarrytown, United States, 15GlaxoSmithKline, London, United Kingdom, 16University of Manitoba, Winnipeg, Canada, 17University of Helsinki, Helsinki, Finland, 18University of California, San Diego, La Jolla, United States, 19University of Helsinki, Department of Public Health, Institute for Molecular Medicine Finland FIMM, Helsinki, Finland, 20Academic Medical Center, University of Amsterdam, The Netherlands, 21University of California, San Diego, La Jolla, United States, 22Academic Medical Center, University of Amsterdam, The Netherlands, 23Karolinska Institutet, Stockholm, Sweden, 24University of Helsinki, Boston, Massachusetts, United States, 25University of Helsinki, Helsinki, Finland, 26University of Helsinki, Helsinki, Finland, 27University of Helsinki, Helsinki, Finland, 28Regeneron Pharmaceuticals, Inc., Tarrytown, United States, 29Eli Lilly and Company, Indianapolis, United States, 30Eli Lilly and Company, Indianapolis, United States.

1517 A genome-wide association study of allergic rhinitis in 216,361 individuals identifies several novel susceptibility loci and increases knowledge on genetic pathways and cell types involved in disease etiology

Waage J.E.,1,2 Stadl M.,1 Paternoster L.,1 Tian C.,1 James A.,1 Granell R.,1 Burnavanch S.,1 Myers R.,1 Kreiner-Moller E.,2 Palviainen T.1,2,3 den Dekker M.1,2,4 Ruschendorf F.1,2,4 Barreto-Luis A.1,2 Alishawala T.1,2 Vilor-Tejedor N.1,2 Curtin J.1, Australian Asthma Genetics Consortium 1, Alves A.1, Abdellaoui A.1,2 Wang C.1, Levin A.2,3 Kaprio J.1, Lee Y.-A.1,2, Bruske I.1, Flores C.1,2,5,2,6,7,2,8,9,10,11 Nohr E.2,3,4,5,6,7,8,9,10,11, Susan F.14,2,6,7,9,10,11, Boomsma D.2,3,4,5,6,7,8,9,10,11,12, Pennel C.1,2, Williams K.2,3,9, Weiss S.2,3,9, Simpson A.13, Custovic A.15, Ferreira M.16, Duits L.11,15,16, Jarvelin M.-R.2,8,10, Ober C.15, Henderson J.1, Hinds D.5, Strachan D.2,3,9, The EAry Genetics and LifeCourse Epidemiology Consortium, Asthma, Allergy and Atopy 1, Bispaghi H.1, Bannekkje K.1,3

1Copenhagen University Hospital, Copenhagen, Denmark, 2Copenhagen University, Copenhagen, Denmark, 3Academic Medical Center, University of Amsterdam, The Netherlands, 4University of Bristol, MRC Integrative Epidemiology Unit at the University of Bristol, School of Social and Community Medicine, Bristol, United Kingdom, 5Acemy of Medicine, Copenhagen, Denmark, 6Academic Medical Center, University of Amsterdam, The Netherlands, 7Acemy of Medicine, Copenhagen, Denmark, 8Acemy of Medicine, Copenhagen, Denmark, 9Acemy of Medicine, Copenhagen, Denmark, 10Acemy of Medicine, Copenhagen, Denmark, 11Acemy of Medicine, Copenhagen, Denmark.

1518 Impact of unresolved chronic rhinosinusitis on incidence of asthma

Hopkins C.1,2, Holy C.3, Sindwani R.1, Micheal B.4

1Guy’s and St Thomas’ NHS Foundation Trust, London, United Kingdom, 2Acclarent, Menlo Park, United States, 3Cleveland Clinic, Cleveland, United States, 4Academic Medical Center, University of Amsterdam, The Netherlands.

1519 Human group 2 innate lymphoid cells target bronchial epithelial cell tight junctions and promote airway inflammation

Suniga K.1,2, Morita H.1,2, Ikennouchi-Suniga A.1, Kubo T.1,2, Wawrzycki P.1,2, Wanke K.1,2, Ruckert B.1,2, O’Mahony L.1,2, Akdis M.1,2, Akdis C.A.1,2

1Swiss Institute of Allergy and Asthma Research (SIAF), University of Zurich, Davos, Switzerland, 2Christine Kühne-Center for Allergy Research and Education (CK-CARE), Davos, Switzerland.

1520 Subcutaneous immunotherapy for birch pollen allergy decreases recruitment of group 2 innate lymphoid cells in response to inhaled birch pollen in mice

van Rijt L.1,2, Logianella A.1, Utsch L.1,2, van Ree R.1,2, Academic Medical Center, University of Amsterdam, Experimental Immunology, Amsterdam, The Netherlands, 2Academic Medical Center, University of Amsterdam, Otorhinolaryngology, Amsterdam, The Netherlands

Spanish University Pompeu Fabra (UPF), Center for Research in Environmental Epidemiology (CREAL), Barcelona, Spain, 3University of Manchester and University Hospital of South Manchester, Centre for Respiratory Medicine and Allergy, Institute of Inflammation and Repair, Manchester, United Kingdom, 4Queensland Institute of Medical Research Berghofer, The University of Queensland Diamantina Institute, Brisbane, Australia, 5School of Public Health, Imperial College London, Department of Epidemiology and Biostatistics, MRC Health Protection Agency (HPA) Centre for Environment and Health, London, United Kingdom, 6VU University, Dept Biological Psychology, The Netherlands Twin Register, Amsterdam, The Netherlands, 7The University of Western Australia, School of Women’s and Infants’ Health, Perth, Australia, 8Henry Ford Health System, Department of Public Health Sciences and Department of Internal Medicine, Detroit, United States, 9Charité Universitätsmedizin Berlin, Max-Delbrück-Center (MDC) for Molecular Medicine, Berlin, Germany, 10Instituto de Salud Carlos III, CIBER de Enfermedades Respiratorias (CIBERES), Madrid, Spain, 11Aarhus University, Institute of Public Health, Aarhus, Denmark, 12CIBER Epidemiología y Salud Pública (CIBERESP), IMIM (Hospital del Mar Medical Research Institute, Barcelona, Spain, 13VU University, Dept. Biological Psychology, The Netherlands Twin Register, Amsterdam, The Netherlands, 14Henry Ford Health System, Center for Health Policy and Health Services Research and Department of Internal Medicine, Detroit, United States, 15Brigham & Women’s Hospital and Harvard Medical School, Channing Division of Network Medicine, Boston, United States, 16Imperial College London, Department of Epidemiology and Biostatistics, School of Public Health, London, United Kingdom, 17University of London, Population Health Research Institute, St George’s, London, United Kingdom.
Poster Discussion Session (PDS 5)  
Clinical relevance of IgE to allergenic molecules  
13:30 – 15:00  
Poster Discussion Zone 1

### Chairs:
- Peter Korosec, Slovenia
- Barbara Ballmer-Weber, Switzerland

#### 273 Molecular, proteomic and immunological parameters of allergens provide inclusion criteria for new candidates within established grass and tree homologous groups
**Health M.D.** 1, Collis J. 1, Hutchings J.W. 1, Swan N. 1, Skinner M.A. 1  
1Allergy Therapeutics Plc, Worthing, United Kingdom

#### 274 Evolution of serum levels of IgG vs IgE antibodies to Bet v 1 during childhood: a study at individual level
**Hofmaier S.** 1, Hatzler L. 1, Rohrbach A. 1, Panetta V. 2, Hakimeh D. 1, Bauer C.-P. 1, Hoffmann U. 1, Forster J. 4, Zepp F. 1, Schuster A. 1, Stock P. 1, Wahn U. 1, Keil T. 1, Lau S. 1, Matricardi P. 1  
1Charité Universitätsmedizin Berlin, Department of Paediatric Pneumology & Immunology, Berlin, Germany
2Allertastatistica srl, Consultancy & Training, Biostatistics Office, Rome, Italy
3Technical University of Munich, Department of Pediatrics, Munich, Germany
4ST Hedwig, St Josifes Hospital, Department of Pediatrics, Freiburg, Germany
5Johannes Gutenberg University Medical Centre, Department of Pediatrics and Adolescent Medicine, Mainz, Germany
6Heinrich-Heine-University, Department of Pediatric Cardiology and Pneumology, Düsseldorf, Germany
7Charité Universitätsmedizin Berlin, Institute of Social Medicine, Epidemiology and Health Economics, Berlin, Germany
8University of Würzburg, Institute of Clinical Epidemiology and Biometry, Würzburg, Germany

#### 275 Comparison of the different slgE methods diagnostic capacity in patients sensitised to olive pollen components
**Martinez-Aranquín R.** 1, Guikartexa M.J. 1, Villalba M. 2, de la Hoz B. 2, Martinez-Botás J. 3, Feo Brito F. 4, Alvarado M.I. 5, Sanz M.L. 6  
1Clinica Universidad de Navarra, Allergology and Clinical Immunology, Pamplona, Spain
2Universidad Complutense de Madrid, Biochemistry and Molecular Biology, Madrid, Spain
3Hospital Ramón y Cajal, Allergology, Madrid, Spain
4Hospital Ramón y Cajal, Biochemistry-Research, IRYCIS, Madrid, Spain
5Hospital Ciudad Real, Allergology, Ciudad Real, Spain
6Hospital Virgen del Puerto, Allergology, Plasencia, Spain

#### 276 Evaluation of Pru p 3 and Pru p 7 specific IgE in Japanese peach allergic patients
**Mori Y.** 1, 2, Inoue C. 1, 2, Kondo Y. 1, 2, Fukuie T. 2, Okazaki F. 2, Nagao M. 2, Yagami A. 2, Matsunaga K. 2, Narita H. 2, Fujisawa T. 2, Ito K. 2  
1Fujita Health University, Pediatrics, Aichi, Japan
2Fruits Allergy Component Study Group, Aichi, Japan

#### 277 Improved diagnosis of sesame allergy by IgE measurements for Ses i 1 evaluated through food challenge
**Maruyama N.** 1, Nakagawa T. 2, Ito K. 2, Cabanos C. 1, Borres M.P. 1, Movereare R. 1, Tanaka A. 2, Sato S. 2, Edisawa M. 1  
1Kyoto University, Graduate School of Agriculture, Uji, Japan
2Aichi Children’s Health and Medical Center, Department of Allergy, Obu, Japan
3Thermo Fisher Scientific, Uppsala, Sweden
4Thermo Fisher Scientific, Tokyo, Japan
5Sagamihara National Hospital, Clinical Research Center for Allergy and Rheumatology, Sagamihara, Japan

#### 278 Clinical relevance of measuring IgE to cat allergen components
**Patelis A.** 1, Gunnbjörnsdottir M. 1, Alving K. 2, Borres M.P. 1, 2, 3  
Högman M. 1, Janson C. 1, Malinovschi A. 4  
1Upsalsa University, Medical Sciences: Respiratory, Allergy and Sleep Research, Uppsala, Sweden
2Upsalsa University, Women’s and Children’s Health, Uppsala, Sweden
3Thermo Fisher Scientific, Immunodiagnostics, Uppsala, Sweden
4Upsalsa University, Medical Sciences: Clinical Physiology, Uppsala, Sweden

#### 279 Sensitisation to Fel d 1 in childhood predicts symptoms of cat allergy in adolescence – a BAMSE/MeDALL study
**Asarnoj A.** 1, 2, Wadén K. 3, Hamsten C. 1, 2, Andersson N. 2, Kull I. 1, 2, Lupinek C. 3, Curin M. 4, Anto J. 4, Bousquet J. 5, Valenta R. 6, Wickman M. 4, 5, 6, van Hage M. 1  
1Karolinska Institutet, Department of Medicine Solna, Clinical Immunology and Allergy Unit, Stockholm, Sweden
2Karolinska University Hospital Solna, Astrid Lindgren Children’s Hospital, Stockholm, Sweden
3Karolinska Institutet, Center for Inflammatory Diseases, Stockholm, Sweden
4Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden
5Medical University of Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria
6Universitat Pompeu Fabra (UPF), Centre for Research in Environmental Epidemiology (CREAL), IMIM (Hospital del Mar Research Institute), Departament de Ciències Experimentals i de la Salut, CIBER Epidemiología y Salud Pública (CIBERESP), Barcelona, Spain
7University Hospital of Montpellier, Hôpital Arnaud de Villeneuve, Montpellier, INSERM 1018, Villejuif, France
8Södersjukhuset, Sachs’ Children’s Hospital, Stockholm, Sweden
9Karolinska Institutet, Centre for Allergy Research, Stockholm, Sweden

#### 280 Physico-chemical and lipid-binding characterisation of the house dust mite allergen Der p 13 produced in Pichia pastoris
**Satitsuksanoa P.** 1, Nony E. 1, Pulsawat P. 1, Piboonpocanun S. 1, Le Mignon M. 2, Jain K. 3, Kennedy M. 4, Jacquet A. 5  
1Chulalongkorn University, Department of Medicine, Faculty of Medicine, Bangkok, Thailand
2Stallergenes, Antony, France
3Mahidol University, Institute of Molecular Biosciences, Nakhon Pathom, Thailand
4University of Glasgow, Institute of Biodiversity, Animal Health and Comparative Medicine, Scotland, United Kingdom

#### 281 Prevalence of specific IgE to natural shrimp extracts and the allergens rPen a 1, rPen m 2, rPen m 3, rPen m 4 and rPen m 6 in shrimp allergic subjects
**Ehrenberg A.** 1, Porsch H. 1, Pontoppidan B. 1, Elfström L. 1, Larsson H. 1, Mattsson L. 1, Lidholm J. 1  
1Thermo Fisher Scientific, Uppsala, Sweden

#### 282 Relevance of response to recombinant allergens of Aspergillus fumigatus in patients with chronic or acute respiratory diseases
Poster Discussion Session (PDS 6)

Innate immune responses

**283 Allergenic members of the defensine-like protein family share structural features but show distinct immunological properties**

Pablos J.M.¹, Eichhorn S.P.¹, Machado Y.J.¹, Briza P.², Ebner C.², Arora N.³, Vieths S.³, Gadermaier G.¹, Ferreira F.¹

¹University of Salzburg, Molecular Biology, Salzburg, Austria, ²Allergy Clinic Reumannplatz, Vienna, Austria, ³CSIR-Institute of Genomic and Integrative Biology, Allergy and Immunology Section, Delhi, India, ⁴Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany

**284 IgE reactivity of 27 kDa glycoprotein from the pupa of silkworm, Bombyx mori**

Jeong K.Y.¹, Son M.¹, Lee J.Y.¹, Park K.H.¹, Lee J.-H.¹, Park J.-W.¹

¹Yonsei University College of Medicine, Internal Medicine, Institute of Allergy, Seoul, Republic of Korea

**285 Retrospective review of the results of specific IgE to penicilloyl V, penicilloyl G and amoxicilloy in patients with suspected penicillin allergy: the immunology laboratory perspective**

Dziadzio M.¹, Harvey J.¹, Mai A.¹, Sperlich J.¹, Rotroiti G.², Kariyawasam H.², Chee R.², Seneviratne S.L.¹, Lukawska J.²

¹Royal Free Hospital NHS Foundation Trust, London, United Kingdom, ²Royal National Throat Nose Ear Hospital, University College London, London, United Kingdom

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Sunday, 7 June 2015

**Poster Discussion Zone 2**

**286 Per a 10 potentiates Th2 polarisation via OX40L upregulation and CD40 cleavage on dendritic cells**

Agrawal K.¹, Kale S.L.¹, Arora N.¹

¹CSIR-Institute of Genomics and Integrative Biology, Allergy and Immunology Section, New Delhi, India

**287 Platelet activating factor contributes to vascular leak in acute lung injury**

Jeewandara K.C.¹,², Gomes L.¹, Gutowska-Owsiak D.², Walthe D.², Paranavitate S.A.¹, Shyamali N.A.³, Ogg G.S.¹,², Malavige G.N.¹,²

¹Centre for Dengue Research, Faculty of Medical Sciences, University of Sri Jayawardenapura, Nugegoda, Sri Lanka, ²MRC Human Immunology Unit, NIHR Biomedical Research Centre, Weatherall Institute of Molecular Medicine, Oxford, United Kingdom, ³Department of Medicine, Faculty of Medical Sciences, University of Sri Jayawardenapura, Nugegoda, Sri Lanka

**291 Induction of tolerogenic dendritic cells by flagellin is associated with up-regulation of TLR5 in patients with allergic asthma**

Koh Y.-J.¹, Shim J.-U.¹, Kim C.-W.², Rhee J.-H.³

¹Chonnam National University Medical School/Hospital, Internal Medicine, Gwangju, Republic of Korea, ²Inha University School of Medicine, Internal Medicine, Incheon, Republic of Korea, ³Chonnam National University Medical School, Microbiology, Gwangju, Republic of Korea

**288 The C1Q regulatory dendritic cell marker is a potent inhibitor of allergic inflammation**

Mascarell L.¹, Airouche S.¹, Jain K.¹, Nony E.¹, Baron-Bodo V.¹, Moingeon P.¹

¹Stallergenes SA, Antony, France

**292 Decreased YKL-40 expression in bronchial epithelial cells and asthma models by double stranded RNA**

Kwon J.-W.¹, Hong Y.², Yang S.-R.³, Jeon S.G.², Kim Y.-K.³

¹Kangwon National University National Hospital, Department of Internal Medicine, Chuncheon, Republic of Korea, ²Kangwon National University Hospital, Department of Thoracic and Cardiovascular Surgery, Chuncheon, Republic of Korea, ³Pohang University of Science and Technology (POSTECH), Department of Life Sciences, Pohang, Republic of Korea, ⁴Ewha Womans Medical Center, Department of Medicine and Institute of Convergence Medicine, Seoul, Republic of Korea

**289 MicroRNA (miRNA) and piwi-interacting RNA (piRNA) signature of human primary bronchial epithelial cells (PBEC) after exposure to mainstream cigarette smoke (MCS)**

Stellato C.¹,², Ravo M.¹, Nassa G.¹, Giuratò G.¹, Rinaldi A.¹, Weisz A.¹, Vonakis B.²

¹University of Salerno, Department of Medicine and Surgery, Baronissi (SA), Italy, ²Johns Hopkins University, Department of Medicine, Division of Allergy and Clinical Immunology, Baltimore, MD, United States

**293 Factors associated with release of platelet activating factor from dengue virus infected monocytes**

Kamaladasa A.¹, Gomes L.¹, Ogg G.², Malavige G.¹,³

¹University of Sri Jayawardenapura, Nugegoda, Sri Lanka, ²University of Oxford, Headington, United Kingdom, ³University of Oxford, Oxford, United Kingdom

**290 Natural IgG, IgM and IgA anti-Gal antibodies in sera of healthy humans and patients with primary hypogammaglobulinemia**

Chovancova Z.¹, Hamanova M.², Chmelikova M.², Thon V.¹, Lokaj J.³

¹University of Oxford, Oxford, United Kingdom, ²University of Kentucky, Lexington, Kentucky, ³University of Prague, Prague, Czech Republic

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www.eaaci2015.com
**Sunday, 7 June 2015**

**Poster Discussion Session (PDS 7)**

<table>
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<th>Food allergy: diagnosis</th>
<th>Poster Discussion Zone 3</th>
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**13:30 – 15:00**

- **294** Clinical experiences with canakinumab as a treatment for autoimmune inflammatory disorders
  - Saperia C, Mcauley P, Raffaghello J, Haque S, Sussman G
  - 1Gordon Sussman Clinical Research, Toronto, Canada, 2University of Toronto Faculty of Medicine, Toronto, Canada
- **295** Colabomycin E downregulates proinflammatory cytokines and chemokines in human monocytes/macrophages
  - Striz I, Cerdrolva E, Petrickova K, Kolesar L, Pospisil S, Sekerkova A, Svachova V, Petricek M
  - 1Institute for Clinical and Experimental Medicine, Department of Clinical and Transplant Immunology, Prague, Czech Republic, 2Academy of Sciences of the Czech Republic, Institute of Microbiology, Prague, Czech Republic
- **296** Two siblings with IRAK-4 deficiency: a novel homozygous mutation with different clinical presentations
  - Gokturk B, Casanova J, Picard C, Ayvaz D, Reisi L
  - 1Konya Training and Research Hospital, Department of Pediatric Allergy and Immunology, Konya, Turkey, 2Paris Descartes University, Imagine Institut, Laboratory of Human Genetics of Infectious Diseases, Necker Branch, INSERM UMR1163, Sorbonne Paris Cité, Paris, France

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**300 Utility of allergen-specific IgE probability curves for supporting the diagnosis of food allergy**
  - 1Clinical Research Center for Allergy and Rheumatology, Kanagawa, Japan, 2Department of Biostatistics, Clinical Research Center Chiba University, Chiba, Japan

**301 Utility of whey specific IgE levels in evaluating clinical tolerance of milk allergy**
- Kuzume K, Kuwabara Y, Koizumi M, Okamoto M, Nishimura K
  - 1Ehime Graduated School of Medicine, Toon, Japan

**302 Identification of IgE-binding protein profiles of sunflower seeds (Helianthus annuus L.). Assessment of the clinical relevance**

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**303 Lettuce allergy is a lipid transfer syndrome-related food allergy**
- Muñoz García E, Luengo Sánchez O, Moreno Pérez N, Pastor Vargas C, Cardona Dahl V
  - 1Hospital Vall d’Hebron, Sección Alergia, Barcelona, Spain, 2ISS-FJD, Immunology, Madrid, Spain

**304 Performance of molecular diagnostic techniques in vivo and in vitro in gliadin allergy**
  - 1Hospital Clinic de Barcelona, Immunology Department, CDB, Barcelona, Spain, 2IDIBAPS, Universitat de Barcelona, Barcelona, Spain, 3Hospital Clinic de Barcelona, Allergy Unit, Pneumology Department, ICT, Barcelona, Spain

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**305 Profiles in peach allergy. A clinical study**
- Carrapatoso I, Faria E, Pereira A, Regateiro F, Todo-Bom A
  - 1Coimbra University Hospital Centre, Immunology Department, Coimbra, Portugal
314 Lateral upper arm as measuring site for transepidermal water loss in infants
Berents T.L.1,2, Carlsen K.C.L.1,2, Mowinkel P.1,2, Skjerven H.O.1,3, Kvenshagen B.1, Carlsen K.-H.1,3, Gjersvik P.1,2
1University of Oslo, Institute of Clinical Medicine, Oslo, Norway, 2Oslo University Hospital, Department of Dermatology, Oslo, Norway, 3Oslo University Hospital, Department of Paediatrics, Oslo, Norway, 4Østfold Hospital, Department of Paediatrics, Fredrikstad, Norway, 5Innlandet Hospital, Department of Paediatrics, Elverum, Norway

313 Water-soluble forms of fullerene C60 as a promising drug for a treatment of allergic inflammation
Purgina D.1, Bashtakova E.1, Shershakova N.1, Khaitov M.1, Andreev S.1
1NRC Institute of Immunology FMBA of Russia, Moscow, Russian Federation

312 Fullerene C60 reduces the allergic inflammation in AD mouse model
Shershakova N.1, Bashtakova E.1, Purgina D.1, Kamishnikov O.1, Andreev S.1, Khaitov M.1
1NRC Institute of Immunology FMBA of Russia, Moscow, Russian Federation

311 Dairy and non-dairy beverage consumption for childhood atopic dermatitis
Hon K.L.1, Poon C.W.T.2, Tsang Y.C.3, Pong N.H.1, Chow C.M.1, Leung T.F.1
1The Chinese University of Hong Kong, Department of Paediatrics, Hong Kong, China, 2The University of Macau, Faculty of Health Sciences, Macau, China

309 The use of basophil activation test to diagnose egg-allergy in children
Licari A.1, De Amici M.1, Marseglia A.1, Caimmi S.1, Trovamala V.1, Castagnoli R.1, Torre C.1, Nigrisoli S.1, Testa G.1, Caimmi D.2, Marseglia G.L.1
1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2CHRU de Montpellier, Allergy Unit and Cystic fibrosis Center, Montpellier, France

308 The comparison of basophil activation test with other diagnostic tests to diagnose milk-allergy in children
Marseglia A.1, De Amici M.1, Caimmi S.1, Licari A.1, Trovamala V.1, Rundo B.1, Torre C.1, Nigrisoli S.1, Caimmi D.2, Marseglia G.L.1
1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2CHRU de Montpellier, Allergy Unit and Cystic fibrosis Center, Montpellier, France

307 The epitopes that cause cross-reactions between peanuts and tree nuts
1Food Allergy, US Department of Agriculture, New Orleans, United States, 2UC Davis School of Medicine, Davis, United States, 3Medical University of Vienna, Vienna, Austria, 4University of South Carolina, South Carolina, United States, 5Food Allergy, US Department of Agriculture-Agricultural Research Center, New Orleans, United States, 6Foundation for Applied Molecular Evolution, Gainsville, United States

306 Allergens involved in peanut and tree nut allergy – experience of a centre in the north of Portugal
Sousa M.J.1, Brosseron L.1, Ferreira A.R.1, Moreira Silva J.P.1
1Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Allergy and Clinical Immunology Department, Vila Nova de Gaia, Portugal

Poster Discussion Session (PDS 8) 13:30 – 15:00

Atopic dermatitis and other skin conditions

Chairs: Werner Aberer, Austria
Peter Schmid-Grendelmeier, Switzerland

Sunday, 7 June 2015
A panel of biomarkers for disease severity in atopic dermatitis
Thijs J.L.1, Nierkens S.2, Herath A.3, Bruijnzeel-Koomen C.A.F.1, Knol E.F.1, Giovannone B.1, de Bruin-Weller M.S.1, Hijnen D.1
1University Medical Center Utrecht, Dermatology & Allergology, Utrecht, The Netherlands, 2University Medical Center Utrecht, U-DAIR and Laboratory of Translational Immunology, Utrecht, The Netherlands, 3MedImmune Biotech, Cambridge, United Kingdom, 4University Medical Center Utrecht, Department of Immunology, Utrecht, The Netherlands

Risk factors influencing eczema herpeticum in atopic dermatitis children
Myong Soon S.1, Jin Wook C.2, Sung Won K.1, Yun Ha H.1, Sung Wone K.2
1Gumi CHA University Hospital, Pediatrics, Gumi, Republic of Korea, 2Busan St. Mary’s Hospital, Pediatrics, Busan, Republic of Korea

Cluster subcutaneous allergen-specific immunotherapy in moderate/severe atopic dermatitis: a Brazilian experience
Bassani C.1, Kopke R.1, Dracoulakis M.1, Silva B.1, V P.-A.1, Aun W.T.1, Mello J.F.1, Tanno L.K.1
1Hospital Servidor Público Estadual de São Paulo, Allergy and Clinical Immunology, São Paulo, Brazil

Dihomo-γ-linolenic acid prevents the development of atopic dermatitis through prostaglandin D production in NC/Tnd mice
Tanaka A.1, Amaqai Y.1, Oida K.1, Matsuda H.1
1Tokyo University of Agriculture and Technology, Tokyo, Japan

Extracts from the fruit of Dillenia indica rich in betulinic acid may be useful to treat psoriasis
Correia M.R.1, da Silva J.2, Clarinda M.M.1, Freitas A.F.1, Ourique F.2, Kwiecinski M.R.2, Grupo de Desenvolvimento em Tecnologia Farmacêutica
1Universidade do Sul de Santa Catarina - UNISUL, Curso de Graduação em Farmácia, Tubarão, Brazil, 2Universidade do Sul de Santa Catarina - UNISUL, Programa de Pós-Graduação em Ciências da Saúde, Palhoça, Brazil, 3Universidade Federal de Santa Catarina, Departamento de Bioquímica, Florianópolis, Brazil

A role of type 2 innate lymphoid cells in a murine model of atopic dermatitis-like skin lesions induced by Aspergillus fumigatus
Park A.L.1, Yoon J.2, Lee E.2, Yu J.2
1Asan Medical Institute, Asan Medical Center, Seoul, Republic of Korea, 2Asan Medical Center, University of Ulsan College of Medicine, Pediatrics, Seoul, Republic of Korea

Sensitisation to factors of invasion of S. aureus in atopic dermatitis patients
Fassakhov R.1, Reshetnikova I.1, Tyurin Y.1, Bayazitova L.1, Grigoryeva T.1
1Kazan Scientific and Research Institute of Epidemiology and Microbiology, Kazan, Russian Federation

Evaluation of cyclosporine-sparing effects of polyunsaturated fatty acids in the treatment of canine atopic dermatitis
Müller M.-R.1, Linek M.2, Röthig A.3, Löwenstein C.4, Mueller R.S.1
1LMU Munich, Centre for Clinical Veterinary Medicine, Munich, Germany, 2Tierärztliche Spezialisten, Hamburg, Germany, 3Justus-Liebig-University Giessen, Klinik fuer Kleintiere, Giessen, Germany, 4Tierärztliche Gemeinschaftspraxis Dr. David, Dr. Krützfeld, Frankenthal, Germany

Some epidemiological features of atopic dermatitis in Armenia
Sargsyan A.1
1SRI of Epidemiology, Virology and Medical Parasitology after A.B. Aleksanyan, Yerevan, Armenia

Symposium (SYM 15) 15:30 – 17:00

Controversial issues in insect venom allergy

Asymptomatic sensitization: what are the consequences?
Gunter Sturm, Austria

Advances in the diagnosis of hymenoptera venom allergy
Markus Ollert, Germany

Are conventional diagnostic tests able to predict tolerance?
Hanneke Oude Elberink, The Netherlands
Symposium (SYM 16)  15:30 – 17:00
Uncontrolled upper airway disease
Room 212

Chairs:
Joaquim Mullol, Spain
Mario Zernotti, Argentina

Novel insights into mechanisms underlying Severe Chronic Upper Airway Disease
Claus Bachert, Belgium

Diagnostic challenges in uncontrolled rhinosinusitis
Ralph Mösges, Germany

Therapeutic challenges in Severe Chronic Upper Airway Disease
Wytske Fokkens, The Netherlands

Symposium (SYM 17)  15:30 – 17:00
Linking wheeze, sneeze and itch – neuro-immunological mechanisms
Room 111

Chairs:
Tilo Biedermann, Germany
Gert-Jan Braunstahl, The Netherlands

Why scratch? The molecules, cells and circuits of itch
Martin Steinhoff, Ireland

Role of IL-31 in itch
Karin Hartmann, Germany

Physiology of cough in asthma
Alyn Morice, United Kingdom

Symposium (SYM 18)  15:30 – 17:00
Biodiversity in asthma
Room 112

Chairs:
Paul O’Byrne, Canada
Ruby Pawankar, Japan

Environmental biodiversity
Tari Haahtela, Finland

Diversity in lung microbiota
Vibeke Backer, Denmark

Diversity in the gut: target for asthma prevention?
Benjamin Marsland, Switzerland

Symposium (SYM 19)  15:30 – 17:00
Clinical utility impact of basophil activation test
Room 117

Chairs:
Donald MacGlashan Jr, United States
Didier Ebo, Belgium

BAT: a flexible tool in diagnosis of allergy
Hans-Jürgen Hoffmann, Denmark

BAT: predicting the resolution of food allergy
Wayne Shreffler, United States

Basophil sensitivity: a measure of efficacy of AIT and anti-IgE
Anna Nopp, Sweden
Year in Review (YIR 1)  15:30 – 17:00

Immunology

Chairs:  Jürgen Schwarze, United Kingdom
        Bettina M. Jensen, Denmark

Antigen-presenting cells
Frode Jahnsen, Norway

T cells
Francesco Annunziato, Italy

B cells
Willem van de Veen, Switzerland

Sister Society Symposium (SSS 2)  15:30 – 17:00

SLAAI Symposium Asthma in Latin America  Rooms 127–128

Chairs:  Juan Carlos Sisul, Paraguay
         Patricia Latour Staffeld, Dominican Republic

ISAAC in Latin America
Dirceu Solé, Brazil

Asthma in elderly patients in Latin America
Anahí Yañez, Argentina

The challenges of asthma in low-resource settings
Alvaro Cruz, Brazil

Junior Member and Affiliates  15:30 – 17:00

JMA Scientific Symposium: JMAs at the forefront of research in allergy and immunology  Hall B

Chairs:  Valerie Hox, Belgium
         Filippo Fassio, Italy

Risk factors for food allergy in children
Indre Butiene, Lithuania

Basophil activation test in food allergy – is it ready for clinical use?
Alexandra Santos, United Kingdom

Antigen presenting cells in the airways and their role in allergic inflammation
Ibon Eguiluz-Gracia, Norway

Respiratory indigenous microbiota: inherent microbes and viruses of the respiratory system, in health and disease
Spyridon Megremis, Greece

Hot Topic (HT 2)  15:30 – 17:00

New concepts in childhood asthma  Auditorium

Chairs:  Ömer Kalayci, Turkey
         Nelson Rosario, Brazil

Childhood asthma predictive phenotype
Robert Lemanske, United States

Immunological and epidemiological phenotypes of asthma in children
Blanca Schaub, Germany

Off-label use of drugs in childhood asthma
Mario Morais Almeida, Portugal
Oral Abstract Session (OAS 11)

**Food allergy: anaphylaxis**

**Chair:** Anna Sala-Cunill, Spain

**Fatal reactions to food – lessons learned?**

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**Oral Abstract Session (OAS 12)**

**Treating asthma: What’s new?**

**Chair:** Anneke ten Brinke, The Netherlands

**Phenotype based treatment**

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**Safety and tolerability of once-daily tiotropium Respimat® add-on to at least inhaled corticosteroid maintenance therapy in adolescent patients with moderate or severe symptomatic asthma**

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**Cardiovascular haemodynamic changes during acute peanut allergic reactions in adults**

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**Oral Abstract Session (OAS 12)**

**Sunday, 7 June 2015**

**Oral Abstract Session (OAS 11)**

**Food allergy: anaphylaxis**

**Chair:** Anna Sala-Cunill, Spain

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<td>1Section of Paediatric Allergy and Clinical Immunology, Imperial College, London, United Kingdom, 2MRC &amp; Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom, 3Addenbrookes University Hospital, Paediatric Allergy, Cambridge, United Kingdom, 4Imperial College (NHLI) and Royal Brompton Hospital, London, United Kingdom</td>
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Sunday, 7 June 2015

Biberach an der Riss, Germany, 1Ev. Hospital Bielefeld, Pediatric Department, Bielefeld, and Ruhr-University Bochum, Allergy-Center-Ruhr, Bochum, Germany

70 Characterisation of dose-FEV₁ response of tralokinumab, an investigational anti-IL13 monoclonal antibody in patients with uncontrolled asthma: a population pharmacokinetic/pharmacodynamic modeling analysis
Baverel P.¹, Karlsson M.², Agoram B.³, Kantaria R.⁴
¹MedImmune, Clinical Pharmacology, Cambridge, United Kingdom, ²Uppsala University, Pharmaceutical Biosciences, Uppsala, Sweden, ³AstraZeneca, Global Medical Affairs, London, United Kingdom

71 Determinants of oral corticosteroid responsiveness in wheezing asthma youth (DOORWAY)
Ducharme FM.¹,², Zemek R.³,⁴, Chauhan B.³, Gravel J.¹,², Chalut D.¹,², Pooni N.², Lamberg S.¹,³, Ouach C.²,⁵, Krajnovic M.¹,², Bloudeau L.¹,², Guimont C.¹,², Lemiere C.¹,², Guertin M.-C.¹,², Pediatric Emergency Research Canada
¹University of Montreal, Pediatrics, Montreal, Canada, ²University of Montreal, Social and Preventive Medicine, Montreal, Canada, ³Research Centre, Sainte-Justine University Health Centre, Montreal, Canada, ⁴University of Ottawa, Children’s Hospital of Eastern Ontario, Pediatrics, Ottawa, Canada, ⁵Research Institute, Children’s Hospital of Eastern Ontario, Ottawa, Canada, ²McGill University Health Center, Montreal Children’s Hospital, Pediatrics, Montreal, Canada, ³Children’s Hospital, London Health Sciences Center, Pediatrics, London, Canada, ⁴McGill University Health Center, Pediatrics, Montreal, Canada, ⁵Research Institute, McGill University Health Center, Montreal, Canada, ⁶Montreal Health Innovations Coordinating Center, Montreal Heart Institute, Montreal, Canada, ⁷Centre Hospitalier de l’Université Laval, Pediatrics, Quebec, Canada, ⁸Sacré-Coeur Hospital of Montreal, University of Montreal, Montreal, Canada

Effective and safe in vivo IgE-depletion by a novel IgE-adsorber (IgEnio)
Lupinek C.¹, Derfler K.², Lee S.³, Prikoszovitch T.³, Movadat O.³, Wollmann E.¹, Petkov V.², Schoder V.², Cervenka R.³, Plaichner T.³, Stegfellner G.³, Huber H.³, Henning R.³, Kozik-Jaromin J.³, Gauly A.³, Eder C.³, Leinenbach H.P.³, Uhlenbusch-Koerwer I.³, Valenta R.³
¹Medical University of Vienna, Dept of Pathophysiology and Allergy Research, Div. of Immunopathology, Vienna, Austria, ²Medical University of Vienna, Clin. Div. of Nephrology and Dialysis, Dept of Internal Medicine III, Vienna, Austria, ³Medical University of Vienna, Div. of Respiratory Medicine, Dept of Internal Medicine II, Vienna, Austria, ⁴Fresenius Medical Care Deutschland GmbH, Clinical Research, Bad Homburg, Germany, ⁵Fresenius Medical Care Adsorber Tec GmbH, Krems, Austria, ⁶Biomay AG, Vienna, Austria, ⁷CRO Austria, Grosswetzendorf, Austria

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Oral Abstract Session (OAS 13)
15:30 – 17:00
Room 116

Control of vaccines for AIT

Chairs: Ronald van Ree, The Netherlands
Jörg Kleine-Tebbe, Germany

How can quality be improved even further?
Ronald van Ree, The Netherlands

73 Quantification of group 5 grass allergens in Pooidae grasses using a validated ELISA method
Arilla C.¹, Ibarrola I.¹, Breno S.¹, Santos M.¹, Zamarrohe J.¹, Martinez A.¹, Asturias J.A.¹
¹Bial-Aristegui, R&D Department, Zamudio, Spain

74 Immunogenicity of polymerised grass pollen allergens in mixtures with polymerised dust mite allergens. A follow-up stability study
Soria Castro I.¹, Tudela J.I.¹, Subiza J.L.I.¹, Pérez de Prada T.¹, Casanovas M.¹, Fernández-Caldas E.¹
¹Inmunotek S.L, Alcalá de Henares, Madrid, Spain

75 ICH validation of grass pollen group 1 allergen quantification by mass spectrometry
Nony E.¹, Dayang C.¹, Rouet M.¹, Riandé S.¹, Le Mignon M.¹, Batard T.¹, Moingeon P.¹
¹Stallergenes, R&D, Antony, France

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Potency of solution and tablet SLIT Timothy grass pollen from 2 major European manufacturers compared to a US reference extract by SPT
Larenas Linnemann D.E.S.¹, Esch R.², Singh J.³,⁴, Matta J.J.³, Rosario N.³, Máspero J.³, Michels A.², Mösé R.³,⁴
¹Hospital Médica Sur, Mexico, Mexico, ²Laboratorios Greer, Lenoir, United States, ³Center of Investigation and Statistics, University Clinic, Aachen, Germany, ⁴University Clinic Köln A. ö.R, Cologne, Germany, ⁵Centro Médico Nacional, Servicio de Alergia e Immunología Clínica, Mexico, Mexico, ⁶Universidad Federal do Paraná, Allergy and Clinical Immunology, Curitiba, Brazil, ⁷Fundación CIDEA, Buenos Aires, Argentina
Late Breaking Oral Abstract Session (LBO 2) 15:30 – 17:00

Food Allergy and Omics

Chairs: Montserrat Alvaro, Spain
Susanne Lau, Germany

Introductory lecture
Montserrat Alvaro, Spain

1521 Boiled oral peanut immunotherapy (BOPI) – a novel means of safer therapy for peanut allergy?
Turner P.J.1, 2, Mehr S.3, Shanji M.H.4, Vazquez-Ortiz M.1, Wong M.3, Campbell D.E.2, 3
1Imperial College London, London, Section of Paediatrics (Allergy & Immunology), London, United Kingdom, 2University of Sydney, Division of Paediatrics and Child Health, Sydney, Australia, 3Children’s Hospital at Westmead, Paediatric Allergy & Immunology, Sydney, Australia, 4Imperial College London, National Heart Lung Institute, London, United Kingdom

A novel characterised peanut allergen formulation (AR101) for oral immunotherapy (OIT) induces desensitisation in peanut-allergic subjects: a Phase 2 clinical safety and efficacy study
Bird J.A.1, Spergel J.M.1, Jones S.M.1, Rachid R.1, Assa’ad A.H.2, Wang J.3, Leonard S.A.2, Laubach S.S.2, Kim E.H.2, Vickery B.P.3, Davis B.3, Heimall J.2, Cianferoni A.2, MacGinnitie A.1, 2, Crestani E.1, Effont R.M.1, Sampson H.A.1, 2, Bunks A.W.1, 2, The ARCOO1 Study Group
1University of Texas Southwestern Medical Center, Pediatrics, Dallas, United States, 2Perelman School of Medicine / The Children’s Hospital of Philadelphia, Division of Allergy and Immunology, Philadelphia, United States, 3University of Arkansas for Medical Sciences and Arkansas Children’s Hospital, Pediatrics, Little Rock, United States, 4Boston Children’s Hospital and Harvard Medical School, Division of Allergy and Immunology, Boston, United States, 5Cincinnati Children’s Hospital Medical Center, Allergy and Immunology, Cincinnati, United States, 6Icahn School of Medicine at Mount Sinai, Pediatrics, New York, United States, 7University of California, San Diego, Pediatric Allergy & Immunology, San Diego, United States, 8Allergy & Asthma Medical Group and Research Center, A P C. / University of California, San Diego, Pediatrics, San Diego, United States, 9University of North Carolina, Department of Medicine; Division of Rheumatology, Allergy and Immunology, Chapel Hill, United States, 10University of North Carolina, Department of Pediatrics, Chapel Hill, United States, 11Boston Childrens Hospital and Harvard Medical School, Division of Allergy and Immunology, Boston, United States, 12Allergen Research Corporation, Clinical, San Mateo, United States, 13Icahn School of Medicine at Mount Sinai, Pediatrics and Translational Biomedical Sciences, New York, United States

Cohort-wide characterisation of the nasopharyngeal microbiome across year 1 in “high risk” infants by PCR and 16S RNA gene deep sequencing: elucidation of viral-bacterial-host interactions driving early atopic asthma pathogenesis
Holt P.G.1, Teo S.M.2, Mok D.3, Pham K.2, Kusel M.3, Serralha M.1, 2, Troy N.1, Holt B.J.1, 2, Hales B.1, 2, Walker M.L.1, 2, Hollams E.1, 2, Bochkov Y.H.1, Grindle K.2, Johnston S.L.2, Gern J.E.2, Sly P.D.1, 2, Holt K.E.1, Inouye M.1
1Telethon Kids Institute, The University of Western Australia, Cell Biology, Perth, Australia, 2University of Melbourne, Dept of Pathology, Microbiology and Immunology, and Bio21 Institute, Melbourne, Australia, 3Telethon Kids Institute, The University of Western Australia, Clinical Sciences, Perth, Australia, 4Telethon Kids Institute, The University of Western Australia, Molecular Biotechnology, Perth, Australia, 5University of Wisconsin, School of Medicine and Public Health, Madison, United States, 6Imperial College London, London, United Kingdom, 7Queensland Children’s Medical Research Institute, University of Queensland, Brisbane, Australia

1522 Early introduction of hen’s egg during weaning results in frequent allergic reactions: first results from a randomised placebo-controlled trial on hen’s egg allergy prevention
Bellach J.1, Schwarz V.1, Ahrens B.1, Trendelenburg V.1, Keil T.1, Niggemann B.1, 2, Beyer K.1, 3
1Charité - Universitätsmedizin Berlin, Pediatric Pneumology and Immunology, Berlin, Germany, 2Charité - Universitätsmedizin Berlin, Institute for Social Medicine, Epidemiology and Health Economics, Berlin, Germany, 3Charité School of Medicine at Mount Sinai, New York, United States

1524 Colostrum immune composition and immunological outcomes using principal component analysis (PCA)
Mumbilt D.1, Treneva M.1, Peroni D.1, Collino S.1, Chow L.-Y.1, Dissanayake S.1, Pampura A.1, Boyle R.J.1, Warner J.O.1
1Imperial College London, London, United Kingdom, 2Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University, Allergy and Clinical Immunology Department, Moscow, Russian Federation, 3University of Verona, Verona, Italy, 4Imperial College (NHLI) and Royal Brompton Hospital, London, United Kingdom

Shared genetic origins of allergy and autoimmune diseases
1Copenhagen University Hospital, Gentofte, Copenhagen prospective Studies on Asthma in Childhood, Health Sciences, Copenhagen University of Copenhagen, Danish Pediatric Asthma Center, Copenhagen, Denmark, 2Helmholtz Zentrum München, German Research Center for Environmental Health, Institute of Epidemiology I, Neuherberg, Germany, 3Technical University of Denmark, Center for Biological Sequence Analysis, Department of Systems Biology, Copenhagen, Denmark, 4Boston Children’s Hospital, Division of Endocrinology and Center for Basic and Translational Obesity Research, Boston, United States, 5Broad Institute of MIT and Harvard, Medical and Population Genetics Program, Cambridge, United States, 6School of Public Health, Imperial College London, Department of Epidemiology and Biostatistics, London, United Kingdom, 7The University of Queensland, Translational Research Institute, The University of Queensland Diamantina Institute, Brisbane, Australia, 8The University of Western Australia, School of Women’s and Infants’ Health, Perth, Australia, 9Dr. von Hauner Children’s Hospital, Ludwig-Maximilians-University of Munich, Munich, Germany, 10University Medical Centre Groningen, Department of Genetics, University of Groningen, Groningen,
Urticaria and angioedema

**Poster Discussion Session (PDS 9)**

**Poster Discussion Zone 1**

**15:30 – 17:00**

**Urticaria and angioedema**

**Chairs:** Marta Ferrer, Spain
Ramon Lleonart, Spain

**326** 
Involvement of ascarid nematodes not diagnosable by standard parasitological methods in spontaneous urticaria  
Vilas M.1, Postigo I.2, Martinez J.2, Ibero M.1  
1Hospital de Terrassa, Unitat d’All·lèrgia, Terrassa, Spain,  
2Facultad de Farmacia UPV/EHU, Microbiología, Inmunología y Parasitología, Vitoria, Spain

**327** 
Prevalence, patient profiles and management in chronic spontaneous urticaria: the ETNA study  
Thenie C.1, Amsler E.2, Augustin M.1, Pinton P.1  
1Novartis Pharma AG, Rueil-Malmaison, France, 2Tenon Hospital, Paris, France

**328** 
Differential medical resource consumption and direct healthcare costs of patients with adult onset chronic idiopathic urticaria determined by antihistamine doses needed to control the disease  
Parisi C.A.1, Ritchie C.1, Petriz N.A.1, Morelo C.B.1  
1Hospital Italiano de Buenos Aires, Medicine Department, Servicio de Clínica Médica, Sección Alergia Adultos, Ciudad Autónoma de Buenos Aires, Argentina

**329** 
Clinical characteristics of 197 patients with chronic spontaneous urticaria in the Bulgarian population  
Valentieva A.1, Staevska M.1, Petkova E.1, Kralimarkova T.1, Lazarova T.1, Dimitrov V.1, Popov T.1  
1Medical University of Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria

**77** 
Epicutaneous immunotherapy to a specific allergen prevents sensitisation and anaphylaxis to further allergens: the role of regulatory T-cells  
Mondoulet L.1, Warrin S.1, Dioszeghy V.1, Plaquet C.1, Dheft V.1, Ligouis M.1, Puteaux E.1, Dupont C.2, Benhamou P.-H.1  
1DBV Technologies, Bagneux, France, 2Université Paris Descartes – Hôpital Necker, Paris, France

**Induction of tolerogenic IL-10 from mouse dendritic cells by a fusion protein of TLR5-ligand flagellin and the major mugwort allergen Art v 1**  
Kuttich K.1, Schülke S.1, Wangorsch A.1, Junker A.-C.1, Wolfheimer S.1, Pablos I.1, Gadermaier G.1, Ferreira-Briza F.1, Vieths S.1, Toda M.1, Scheurer S.1  
1Paul-Ehrlich-Institut, VPI Research Group Molecular Allergology, Langen, Germany, 2University of Salzburg, Department of Molecular Biology, Division of Allergy and Immunology, Salzburg, Austria
### Poster Discussion Session (PDS 10)

**Sunday, 7 June 2015**

15:30 – 17:00

**Cellular and molecular allergy mechanisms**

**Chairs:** Mohamed Shamji, United Kingdom
Jan Gutermuth, Germany

**Abstracts**

#### 335 Pattern of hospitalisations due to angioedema between 2009 and 2013 – a retrospective study of 201 cases

**Cosme J.1, Spinola A.1, Branco-Ferreira M.1,2, Pereira-Barbosa M.1,2**

1Hospital de Santa Maria, CHLN, E.P.E., Lisboa, Portugal,
2Faculdade de Medicina de Lisboa, Lisboa, Portugal

#### 336 Plasmapheresis in cold urticaria

**Stankievicute R.1, Chomiciene A.1,2, Blaziene A.1,2, Zilenaita E.1, Griskevicius A.3, Audzijoniene J.3**

1Vilnius University, Faculty of Medicine, Clinic of Infectious, Chest Diseases, Dermatovenereology and Allergology, Vilnius, Lithuania,
2Vilnius University Hospital Santariskiu Klinikos, Center of Pulmonology and Allergology, Vilnius, Lithuania,
3Vilnius University Hospital Santariskiu Klinikos, Vilnius, Lithuania

#### 337 Specific and combined effects of two food contaminants on Th2 cell differentiation in an in vitro model

**Joly-Condette C.1, Anton PM.1, Gay-Quèhéillard J.2, Chango A.1, Delavre-Orthez C.1**

1Institut Polytechnique LaSalle Beauvais, Nutrition and Health department, EGEAL Unit, Beauvais, France,
2Université de Picardie Jules Verne, PERITOX Unit, Amiens, France

#### 338 Evolution of the IgE response to house dust mite allergen molecules in childhood

**Posa D.1, Hofmaier S.1, Hatzler L.1, Rohrbach A.1, Panetta V.2, Bauer C.P.1, Hoffman U.1, Forster J.1, Zepp F.3, Schuster A.4, Stock P.1, Wahn U.1, Grabenhenrich L.1, Keil T.1, Lau S.1, Chen K.1,2, Resch Y.1, Vrtała S.1, Valenta R.1,2, Matricardi P.M.1**

1Charité-Universitätsmedizin Berlin, Pediatric Pneumology and Immunology, Berlin, Germany,
2Alastratistica srl, Consultancy & Training, Biostatistics Office, Rome, Italy,
3Technical University of Munich, Pediatrics, Munich, Germany,
4St. Josefs Hospital, Pediatrics St Hedwig, Freiburg, Germany,
5Johannes Gutenberg University Medical Centre, Pediatrics and Adolescent Medicine, Mainz, Germany,
6Heinrich-Heine-University, Pediatric Cardiology and Pneumology, Düsseldorf, Germany,
7Institute for Social Medicine, Epidemiology and Health Economics, Charité - Universitätsmedizin Berlin, Berlin, Germany,
8Institute of Clinical and Biometry, University of Würzburg, Würzburg, Germany,
9Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Vienna, Austria

#### 339 Histamine production by human neutrophils

**López C.1, Bellido V.1, Alcañiz L.1, Vega A.1, Chacón P.1,2, Ventura L.1, Arco R.1, Monteseirín J.1,2**

1Hospital Universitario Virgen Macarena, UGC-IC Alergología, Sevilla, Spain,
2Cell Signaling Department, Centro Andaluz de Biología Molecular y Medicina Regenerativa/Consejo Superior de Investigaciones Científicas (CABIMER/CSIC), Sevilla, Spain,
3Facultad de Medicina, Universidad de Sevilla, Departamento de Medicina, Sevilla, Spain

#### 340 Binding of retinoic acid to the major cow milk allergen Bos d 5 has an immunosuppressive effect on subsequent immune responses

**Hufnagl K.1, Wagner S.1, Roth-Walter F.1, Hofstetter G.1, Jensen-Jarolim E.1, Comparative Medicine**

1Messerli Research Institute of the University of Veterinary Medicine, Medical University and University Vienna, Comparative Medicine, Vienna, Austria

#### 341 Evaluation of age-related change of Th1/2 ratio and their difference between healthy individuals and allergic patients

**Chang W.-S.1, Kim E.-J.1, Lim Y.-M.1, Yoon D.1, Son J.-Y.1, Park J.-W.1, Hong S.-J.1, Cho S.-H.4, Lee J.-S.5**

1Korea National Institute of Health, Korea Center for Disease Control and Prevention, Division of Allergy and Chronic Respiratory Diseases, Center for Biomedical Sciences, Cheongju, Republic of Korea,
2Yonsei University College of Medicine, Department of Internal Medicine and Institute of Allergy, Seoul, Republic of Korea,
3University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Republic of Korea,
4Seoul National University College of Medicine, Department of Internal Medicine, Seoul, Republic of Korea,
5Korea Center for Disease Control and Prevention, Korea National Institute of Health, Cheongju, Republic of Korea

#### 342 Neutrophils from allergic asthmatic patients produce and release metalloproteinase-9 upon direct exposure to allergens

**Bellido Linares V.1, López Ruiz C.1, Ventura I.1, Vega A.1, Chacon P.1, Chimarro C.1, Arco R.1, Puente Y.1, Monteseirin J.1**

1Hospital Universitario Virgen Macarena, UGC Intercentros de Alergología, Sevilla, Spain

#### 343 Generation of allergen-specific T-cell stimulator cells to investigate coinductive pathways in allergy

**Rosskopf S.1, Jutz S.1, Leitner J.1, Candia M.R.2, Neunkirchner A.1, Pickl W.F.1, Steinberger P.1**

1Medical University of Vienna/Center for Pathophysiology, Infectiology and Immunology, Institute of Immunology, Vienna, Austria

#### 344 The fungal allergen Alt a 1 skews immune cells to Th2 response

**Garrido-Arandia M.1, Gómez-Casado C.1, Roth-Walter F.1, Cubeillas-Baeza N.1, Pacios L.1, Singer J.4, Jensen-Jarolim E.1, Diaz-Perales A.1**

1Center for Plant Biotechnology and Genomics, Technical University of Madrid, Madrid, Spain,
2Comparative Medicine, Messerli Research Institute of the University of Veterinary Medicine, Vienna, Austria,
3Department of Natural Resources and Systems, ETSI Montes, Technical University of Madrid, Madrid, Spain,
4Comparative Immunology and Oncology, Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Vienna, Austria
Correlation between allergic rhinitis prevalence and immune responses of children in Ulsan, Korea: nested case-control study
Lee J.1,2, Sim C.S.1,2, Oh I.-B.2, Kim A.2, Kim Y.1,2
1Ulsan University Hospital, University of Ulsan College of Medicine, Occupational & Environmental Medicine, Ulsan, Republic of Korea, 2Environmental Health Center, University of Ulsan College of Medicine, Ulsan, Republic of Korea

Dermatophagoides farina promote LPS induced inflammation by the functional mimicry with MD-2 in the human middle ear epithelial cell
Youn C.K.1, Kim Y.H.2, Jung S.C.3, Ji-Eun L.2
1Chosun University, Division of Natural Medical Science, Gwang-ju, Republic of Korea, 2Chosun University, Department of Otorhinolaryngology, Head & Neck Surgery, Gwang-ju, Republic of Korea

Immunomodulatory effects of long-term low strength static magnetic field exposure on human T lymphocytes function in vitro
Turuntas V.1, De Luka S.R.2, Trbovich A.M.2, Vasilijić S.3
1University Hospital Foca, Pediatrics, Foca, Bosnia and Herzegovina, 2School of Medicine, University of Belgrade, Department of Pathological Physiology, Belgrade, Serbia, 3Institute of Medical Research, Military Medical Academy, Belgrade, Serbia

Bixin inhibits Blomia tropicalis–induced Th2 cytokine production by PBMC from atopic patients
Meza C.1, Ocampo Y.2, Hernandez L.1, Martinez B.1, Franco L.3, Marrugo J.1
1University of Cartagena, Institute of Immunological Research, Cartagena, Colombia, 2University of Cartagena, Doctorado en Ciencias Biomédicas, Cartagena, Colombia, 3University of Cartagena, Facultad de Ciencias Químicas y Farmacéuticas, Cartagena, Colombia

Origins of asthma

Association between Bcll polymorphism of glucocorticoid receptor gene and obesity in patients with bronchial asthma
Kmyta V.1, Orlovskiy V.2, Prystupa L.1
1Sumy State University, Medical Institute, Internal Medicine Department Postgraduate Education, Sumy, Ukraine, 2Sumy State University, Medical Institute, Family Medicine Department, Sumy, Ukraine

Genetic variants regulate the promoter activity of PTGDR
García-Sánchez A.1, Marcos-Valdillo E.2, Sanz C.2, García-Solaesa V.2, Moreno-Rodilla E.1,4, Muñoz-Bellido F.4, Macias E.4, Isidoro-García M.2,4, Díazla L.1,4
1Universidad de Salamanca, Departamento de Pediatría, Salamanca, Spain, 2Complejo Asistencial Universitario de Salamanca, Servicio de Bioquímica Clínica, Salamanca, Spain, 3Universidad de Salamanca, Departamento de Microbiología, Salamanca, Spain, 4Complejo Asistencial Universitario de Salamanca, Servicio de Alergía, Salamanca, Spain

A polymorphism in the TBX21 gene is associated with inadequate response to common asthma treatment in children
Banic I.1, Rijavec M.2, Plavec D.1, Korosec P.2, Turkalj M.1
1Children’s Hospital Srebrnjak, Zagreb, Croatia, 2University Clinic for Respiratory and Allergic Diseases Golnik, Golnik, Slovenia

The influence of obesity on the gene expression in obese asthma patients
Gruchała-Niedoszytko M.1, Niedoszytko M.2, van der Vlies P.3, Małgorzyczek S.1, Niedoszytko P.1, Jassem E.2
1Medical University of Gdańsk, Clinical Nutrition, Gdańsk, Poland, 2Medical University of Gdańsk, Allergology, Gdańsk, Poland, 3University Medical Center Groningen, Genetics, Groningen, The Netherlands, 4Medical University of Gdańsk, Rehabilitation, Gdańsk, Poland

The effect of PIV-3 infection on miRNA profile in nasal epithelial cells from patients with nonsteroidal anti-inflammatory drugs (NSAIDs) exacerbated respiratory disease
Pawleczcyzk M.1, Glogowska A.1, Olszewska-Ziaber A.1, Moskwa S.1, Kowalski M.L.1
1Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Lodz, Poland, 2Medical University of Lodz, Inter-Faculty Department of Microbiology and Laboratory Medical Immunology, Lodz, Poland

Leptin and adiponectin polymorphisms in obese and lean asthmatics
Ozbek O.1, Koksal B.1, Atac B.2, Yazici C.2
1Baskent University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey, 2Baskent University Faculty of Medicine, Medical Biology, Ankara, Turkey

Th17 cell subsets, steroid sensitivity, and asthma severity
McAlees J.W.1, Lewkowich I.P.1
1Cincinnati Children’s Hospital Medical Center, Division of Immunobiology, Cincinnati, United States

Is adenoïdectomy and/or tonsillectomy a risk factor for allergic diseases and asthma seen in adult patients?
Akinci N.1, Soyquito S.1, Celebi Sozener Z.1, Munqan D.1, Kose S.K.2, Misirlioglu Z.2
1Ankara University School of Medicine, Department of Respiratory Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Ankara University School of Medicine, Department of Biostatistics, Ankara, Turkey

Basophil membrane expression of Th2 epithelial cytokines receptors in asthma: relationship with phenotype and severity
Boila M.1, Nebiolo F.1, Raie A.1, Bussolino C.1, Fornero M.1, Bucci C.1, Heffler E.1, Rolle G.1
1University of Turin, Medical Science, Turin, Italy
358 B cell activating factor (BAFF) in severe asthma: a possible regulator of eosinophilic inflammation
Samitas K.1,2,3, Malmhäll C.1, Rådinger M.1, Lu Y.1, Deák T.1, Semitekolou M.2, Gaà M.3, Sjöstrand M.1, Lötvall J.1, Bossios A.1
1University of Gothenburg, Krefting Research Centre, Department of Internal Medicine and Clinical Nutrition, Institute of Medicine, Sahlgrenska Academy, Gothenburg, Sweden. 2Biomedical Research Foundation of the Academy of Athens, Cellular Immunology Laboratory, Division of Cell Biology, Athens, Greece. 3Athens Chest Hospital “Sotiria”, 7th Respiratory Medicine Dept and Asthma Center, Athens, Greece

359 Airway and systemic inflammation in obese children with asthma
Vezir E.1, Misirlioglu E.D.1, Civelek E.1, Capanoglu M.1, Demirel F.2, Ozguner M.3, Karakus E.4, Kocabas C.N.2
1Ankara Children’s Hematology Oncology Education and Research Hospital, Pediatric Allergy and Clinic Immunology, Ankara, Turkey. 2Ankara Children’s Hematology Oncology Education and Research Hospital, Pediatric Endocrinology, Ankara, Turkey. 3Ankara Children’s Hematology Oncology Education and Research Hospital, The Bone Marrow Transplant Unit, Ankara, Turkey. 4Ankara Children’s Hematology Oncology Education and Research Hospital, Patology, Ankara, Turkey. 5Muğla Sıtkı Kocman University Faculty of Medicine, Pediatric Allergy and Clinic Immunology, Muğla, Turkey

360 Changes in total and specific IgE following treatment with mebendazole in patients with persistent asthma and IgE to Ascaris lumbricoides
Qualizza R.1, Incoreva C.1, Manoli S.1, Maraschini A.2
1Istituti Clinici di Perfezionamento, Allergy Department, Milano, Italy. 2IRCCS Fondazione Ca’ Granda Ospedale Maggiore Policlinico, Diagnostic Services Department, Milano, Italy

361 Changes in IL-9, IL-17, and IFN-γ and dendritic cells and their TLRs of peripheral blood in asthmatic children with mycoplasma pneumoniae infection
Shao L.1
1Renji Hospital, Shanghai Jiaotong University School of Medicine, Allergy, Shanghai, China

Late Breaking Poster Discussion Session (LB PDS 1) 15:30 – 17:00

Drug allergy and novel mechanisms in allergy

Chair: Philippe Gevaert, Belgium

1527 Confirmed non-beta lactam antibiotic allergy in children
Guvenir H.1, Dibek Misirlioglu E.1, Capanoglu M.1, Vezir E.1, Toyran M.1, Kocabas C.N.2
1Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey. 2Ankara Children’s Hematology Oncology Education and Research Hospital, Pediatric Allergy and Clinic Immunology, Muğla, Turkey

1528 Distinct T cell subtypes are responsible for delayed-type drug hypersensitivity reactions
Möbs C.1, Brick D.1, Schäfer C.1, Pflützner W.1
1Philips University, Clinical & Experimental Allergology, Department of Dermatology and Allergology, Marburg, Germany

1529 Can oral provocation tests be applied without skin tests in pediatric patients with non-immediate cutaneous reactions related to beta lactam antibiotics?
Vezir E.1, Misirlioglu E.D.1, Civelek E.1, Çapanoğlu M.1, Guvenir H.1, Ginis T.1, Toyran M.1, Kocabas C.N.2
1Ankara Children’s Hematology Oncology Education and Research Hospital, Pediatric Allergy and Clinic Immunology, Ankara, Turkey. 2Ankara Children’s Hematology Oncology Education and Research Hospital, Pediatric Allergy and Clinic Immunology, Muğla, Turkey

1530 Functional exploration of cross-reactivity between neuromuscular blocking drugs by basophil inhibition: a proof of concept
Uyttebroek A.P.1, Sabato V.1, Bridts C.H.1, Ebo D.G.1
1University of Antwerp, Immunology, Allergology, Rheumatology, Wilrijk, Belgium

1531 Clinical utility of basophil activation test (BAT) in the diagnosis of drug induced anaphylaxis
Kim J.-H.1, Young-Suk J.1, Park Y.-B.1, Park S.1, Hwang Y.I.1, Jang S.H.1, Jung K.-S.1
1Hallym University College of Medicine, Department of Internal Medicine, Anyang, Republic of Korea

1532 Basophil activation test in predicting pyrazolones allergy
Cardoso B.K.1, Semedo F.1, Tomaz E.1, Correia S.1, Inácio F.1
1Centro Hospitalar de Setúbal - Hospital São Bernardo, Setúbal, Portugal

1533 PG1O2, water soluble extracts from Actinidia arguta, relieved symptoms of house dust mite-induced atopic dermatitis mouse by suppressing the mTOR pathway with Treg generation
Bae M.-J.1, Kim S.1,2,3
1Institutes of Entrepreneurial BioConvergence, Seoul National University, Seoul, Republic of Korea. 2Laboratory of Virology, School of Biological Sciences, Seoul National University, Seoul, Republic of Korea. 3ViroMed Co., Ltd, Seoul, Republic of Korea

1534 Changes in IL-9, IL-17, and IFN-γ and dendritic cells and their TLRs of peripheral blood in asthmatic children with mycoplasma pneumoniae infection
Shao L.1
1Renji Hospital, Shanghai Jiaotong University School of Medicine, Allergy, Shanghai, China

1535 Monocyte and granulocyte expression of Toll-like receptor 4 and endotoxin binding in patients with moderate to severe asthma
Beloglazov V.A.1, Popenko Y.O.1, Gordienko A.I.1, DuBuske L.M.2,3
1Criman State Medical University, Simferopol, Ukraine. 2Immunology Research Institute of New England, Gardner, MA, United States. 3George Washington University, MFA, Washington, DC, United States

Sunday, 7 June 2015
SUNDAY

1534 Changes in IL-4, IL-10 and IFN-γ serum and saliva levels and their correlation with quality of life and total symptom scores in patients with perennial allergic rhinoconjunctivitis in the course of six months sublingual immunotherapy

Christoff G.,1,2 Karowa E.G.,2
1 Medical University - Sofia, Faculty of Public Health, Health Technology Assessment, Sofia, Bulgaria, 2 Tokuda Hospital Sofia, Allergy Outpatient Clinic, Sofia, Bulgaria

1535 Association of VDR and CYP2R1 polymorphisms with persistent allergic rhinitis in a Han Chinese population

Chen X.1, Tian H.1, Chen L.1,2
1 The First Affiliated Hospital, Nanjing Medical University, ENT Department, Nanjing, China, 2 International Centre for Allergy Research, Nanjing Medical University, Nanjing, China

1536 The GALEN sinusitis cohort: impact on quality of life in patients with chronic rhinosinusitis with nasal polyps (CRSwNP)

1 Sanofi, Department of Health Economics and Outcomes Research, Paris, France, 2 Ghent University Hospital, Upper Airways Research Laboratory, Ghent, Belgium, 3 AXILAL, Biometry Department, Levallois Perret, France, 4 Sanofi R&D, Chilly Mazarin, France, 5 Clinicec, Karolinska Institutet, Division of ENT Diseases, Stockholm, Sweden, 6 Charité-Universitätsmedizin Berlin, Department of Otorhinolaryngology, Berlin, Germany, 7 Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Lodz, Poland, 8 Academic Medical Centre, Department of Otorhinolaryngology, Amsterdam, The Netherlands, 9 Hospital Clinic-IDIBAPS, Clinical and Experimental Respiratory Immunology, Barcelona, Catalonia, Spain, 10 University Hospitals Leuven, Department of Otorhinolaryngology, Head and Neck Surgery, Leuven, Belgium, 11 Temple University, School of Medicine, Department of Otolaryngology-Head and Neck Surgery, Philadelphia, United States, 12 Royal National Throat, Nose and Ear Hospital, Allergy and Medical Rhinology Unit, London, United Kingdom

1537 Is infant atopy related to duration of parental sexual relationship before conception? Results from the BASELINE birth cohort study

McMahon E.1, Kishan A.2, Kenny L.2, Hourihane J.O.3
1 University College, Cork, Paediatrics and Child Health, Cork, Ireland, 2 University College Cork, Obstetrics and Gynaecology, Cork, Ireland, 3 University College Cork, Paediatrics and Child Health, Cork, Ireland

1538 Insect exposure causes primary food allergy

Broekman H.1, Knulst A.1, den Hartog Jager S.1, Gaspari M.2, Kruizinga A.2, Bruijnzeel-Koomen C.1, Houwen G.1,3, Verhoeckx K.1,3
1 UMC Utrecht, Dermatology/Allergology, Utrecht, The Netherlands, 2 Università ‘Magna Graecia’ di Catanzaro, Dipartimento di Medicina Sperimentale e Clinica, Catanzaro, Italy, 3 TNO, Zeist, The Netherlands

1539 Oral Immunotherapy for peanuts / tree nut allergy: study on the benefit / risk ratio in the pediatric age

Bradanat E.1,2,5, Kowalski M.L.4, Olze H.6, Feorster U.7, Kowalski M.L.8, Olszewska-Ziaber A.9, Fokkens W.10, van Drunen C.10, Mullot J.10, Alobid I.10, Hellings P.10, Vandezande L.1,2,5
1 Centre Hospitalier Régional de Namur, Namur, Belgium, 2 Clinique Saint-Luc, Namur, Belgium

1540 Risk assessment and management of peanut allergy: MIRABEL an integrated approach

Crépet A.1, Elégédé C.F.2, Papadopoulos A.1, Deschilldre A.2, Just J.3, Marette S.4, Moneret-Vautrin D.-A.2, Anses, Maisons-Alfort, France, 2 Jeanne de Flandre Hospital, Lille, France, 3 Trousseau Hospital, Paris, France, 4 INRA, Thiverval-Grimmon, France, 5 Allergo-vigilance Network, Vandœuvres Les Nancy, France
SUNDAY

Business Meeting (BM 2)  17:30 – 18:40
Business Meeting: IG Immunotherapy  Room 117
Biomarkers for immunotherapy – hope for the future?
Mohamed Shamji, United Kingdom

Business Meeting (BM 3)  17:30 – 18:40
Business Meeting: IG Infections and Allergy  Room 119
Influences of the microbiome on asthma and allergy
Benjamin Marsland, Switzerland

Business Meeting (BM 4)  17:30 – 18:40
Business Meeting: IG Allergy, Asthma and Sports  Rooms 120–121
Current concepts on exercise-induced anaphylaxis pathogenesis
George du Toit, United Kingdom

Business Meeting (BM 5)  17:30 – 18:40
Business Meeting: IG Epidemiology  Rooms 129–130
Asthma and allergy in Europe – what have we learnt from the ECRHS?
Deborah Jarvis, United Kingdom

Business Meeting (BM 6)  17:30 – 18:40
Business Meeting: IG Allergy Diagnosis  Rooms 131–132
Diagnosing food allergies – a science as well as an art?
Gideon Lack, United Kingdom

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**Meet the Expert**  
07:00 – 07:45

- **Meet the Expert (MTE 6)**  
  Room M211
  Late-onset asthma  
  William Busse, United States

- **Meet the Expert (MTE 7)**  
  Room 125
  Feeding and weaning the allergic infant  
  Carina Venter, United Kingdom

- **Meet the Expert (MTE 8)**  
  Room M220
  Measurement of bronchodilator response in preschoolchildren  
  Petr Pohunek, Czech Republic

- **Meet the Expert (MTE 9)**  
  Room 124
  Component diagnostics in a food allergy clinic  
  Barbara Ballmer-Weber, Switzerland  
  Jonas Lidholm, Sweden

- **Meet the Expert (MTE 10)**  
  Room M213
  Social media for the allergist  
  Darío Antolin Amerigo, Spain

- **Meet the Expert (MTE 11)**  
  Room 119
  Perioperative anaphylaxis and allergy to hidden drug components  
  Lene Heise Garvey, Denmark

**EAACI General Assembly (GA)**  
08:00 – 09:00

- EAACI General Assembly  
  Room 112

**Plenary Symposium (PL 3)**  
09:00 – 10:30

- Allergy as a systemic disease  
  Auditorium
  Chairs:  
  Ioana Agache, Romania  
  Beatrice Bilò, Italy

- Allergy burden in lung diseases  
  Johann Christian Virchow, Germany

- Allergy burden in ENT  
  Peter Hellings, Belgium

- Allergy burden in skin diseases  
  Carsten Bindslev-Jensen, Denmark

**Plenary Symposium (PL 4)**  
09:00 – 10:30

- Activation of effector cells  
  Hall A
  Chairs:  
  Edward Knol, The Netherlands  
  Lars K. Poulsen, Denmark

- Activation of basophils in allergy  
  Donald MacGlashan Jr, United States

- Molecular mechanism of mast cell degranulation  
  Ulrich Blank, France

- Eosinophil activation and degranulation  
  Hans-Uwe Simon, Switzerland
Symposium (SYM 20)  10:45 – 12:15
The clinical use of biomarkers in asthma  Room 211
Chairs:  Zuzana Diamant, The Netherlands
         José María Olaguibel, Spain

Sputum
Parameswaran Nair, Canada

Biomarkers in asthma phenotyping
Eckard Hamelmann, Germany

PRO – FeNO is clinically useful in the follow-up of asthma patients
Mario Morais Almeida, Portugal

CON – FeNO is clinically useful in the follow-up of asthma patients
Zuzana Diamant, The Netherlands

Symposium (SYM 21)  10:45 – 12:15
Fungal sensitisations and lower airways disease  Hall B
Chairs:  Paul O’Byrne, Canada
         William Busse, United States

Interaction between fungi and the immune system
David Denning, United Kingdom

Allergic asthma with fungal sensitisation
Svetlana Sergejeva, Estonia

Treatment of Aspergillus fumigatus-associated asthma
Andrew Wardlaw, United Kingdom

Symposium (SYM 22)  10:45 – 12:15
Contact dermatitis  Room 113
Chairs:  Charlotte Gotthard Mørtz, Denmark
         Radoslaw Spiewak, Poland

Emerging contact allergens
Luz Fonacier, United States

Occupational aspects
Jose Luis Garcia-Abujeta, Spain

PRO – Any “allergist” can apply and read patch tests
Andreas Bircher, Switzerland

CON – Any “allergist” can apply and read patch tests
Axel Trautmann, Germany

Symposium (SYM 23)  10:45 – 12:15
Sports and asthma  Room 116
Chairs:  Michael Gleeson, United Kingdom
         Luis Delgado, Portugal

Sports in extreme conditions
Kai-Håkon Carlsen, Norway

Biomarkers of exercise-induced bronchoconstriction
Leif Bjermer, Sweden

Improving screening and diagnosis
Matteo Bonini, Italy
Hot Topic (HT 3)  10:45 – 12:15
Pollution and climate change  Auditorium
Chairs:  Carmen Galán, Spain
        Connie Katelaris, Australia

The Europe Clean Year  Thomas Verheyte, Belgium
Meteorological conditions and climate change  Gennaro D’Amato, Italy
Air pollution  Jeroen Buters, Germany

Workshop (WS 3)  10:45 – 12:15
Training in allergology  Rooms 120 –121
Chairs:  Roy Gerth van Wijk, The Netherlands
        Peter Schmid-Grendelmeier, Switzerland

Allergology training at the undergraduate and general professional level  Tomás Chivato, Spain
The comprehensive allergy centre  Jan de Monchy, The Netherlands
Allergology training across the EU: towards a European model  Jacques Gayraud, France

This session is strictly limited to 60 attendees. Arrive early to guarantee your entry.

Year in Review (YIR 2)  10:45 – 12:15
Food allergy  Hall A
Chairs:  Clare Mills, United Kingdom
        Antonella Cianferoni, United States

Non-IgE-driven food hypersensitivity  Katie Allen, Australia
Diagnostics  Ronald van Ree, The Netherlands
Desensitisation  Andrew Clark, United Kingdom

Patient Organisation Workshop (POW 1)  10:45 – 12:15
The reason of representing patients  Rooms 129 –130
Chairs:  Frans Timmermans, The Netherlands
        Maria Said, Australia

The patient position: family, social, economic, change burden  Magnus Wickman, Sweden
The clinician position: bringing experimental strategies for food allergy to the clinic  Kirsten Beyer, Germany
The Patient Organisations’ role: addressing the gap between patient and clinician positions  Mary Jane Marchisotto, United States
After the centenary of AIT – where are we going?
Lars Jacobsen, Denmark

79 Safety of the SQ HDM SLIT-tablet in a subpopulation with GINA uncontrolled allergic asthma; results from a DBPC phase III trial
Cardona V.1, Backer V.1, Fogh B.1, Villesen H.2, Smeenk F.3
1Hospital Vall d’Hebron, Allergy Section, Department of Internal Medicine, Barcelona, Spain, 2Bispebjerg University Hospital, Department of Respiratory Medicine, Copenhagen, Denmark, 3ALK, Global Clinical Development, Harsholm, Denmark, 4Catharina Hospital Eindhoven, Department of Pulmonology, Eindhoven, The Netherlands

80 SQ HDM SLIT-tablet in HDM respiratory allergic disease – who will benefit?
Scadding G.1, Worn M.2, Prieto L.1, Dahlgren S.3, Broge L.4, Virchow J.C.5
1Royal National Throat, Nose and Ear Hospital, London, United Kingdom, 2Allergie-Centrum-Charité, Klinik für Dermatoonkologie, Venerologie und Allergologie, Berlin, Germany, 3Doctor Peset University Hospital and Valencia University, Valencia, Spain, 4ALK, Global Clinical Development, Harsholm, Denmark, 5Univetsitätsmedizin Rostock, Abteilung für Pneumologie/Intensivmedizin, Rostock, Germany

81 Persistent treatment effect with grass synthetic peptide immuno-regulatory epitopes (Grass-SPIRE) on grass allergy symptoms in the environmental exposure unit after a third season of natural exposure
Ellis A.1,2, Frankish C.3, Armstrong K.3, O’Hehir R.5, Larche M.6, Steacy L.1, Pawsey S.7, Hafner R.7
1Kingston General Hospital, Allergy Research Unit, Kingston, Canada, 2Queen’s University, Department of Medicine, Kingston, Canada, 3Canata Allergy Services, Ottawa, Canada, 4Adiga Life Sciences, Hamilton, Canada, 5The Alfred Hospital & Monash University, Department of Allergy, Immunology & Respiratory Medicine, Melbourne, Australia, 6McMaster University, Department of Medicine, Hamilton, Canada, 7Circassia Ltd, Oxford, United Kingdom

85 Effects of placental derived mesenchymal stem cells on experimental asthma
Caglayan Sozmen S.1, Karaman M.1, Baran Y.1, Cilaker Micili S.1, Kartal Yandm M.2, Kiraz Y.2, Işık S.1, Bağıryanik A.1, Kozanoglu I.3, Uzuner N.1, Anal O.1, Karaman O.1
1Dokuz Eylül University Faculty of Medicine, Izmir, Turkey, 2Izmir Institute of Technology, Izmir, Turkey, 3Başkent University, Adana, Turkey

86 Blomia tropicalis antigen 5 potentiates severe allergic asthma, bronchus-associated lymphoid tissue formations and airway remodelling via T helper 2 and lymphocyte expansion functions
Chua YL1,2, Liong K.H.1,2, Huang C.-H.3,4, Wong H.S.K.1,2, Zhou Q.1,2, Low C.P.M.3,4, Kemeny D.M.5
1National University of Singapore, Microbiology, Singapore, Singapore, 2National University of Singapore, Paediatrics, Singapore, Singapore
87 IL-6R blockade attenuates experimental allergic asthma associated with activation of the IL-6 trans-signalling pathway
Uallah M.A.¹, Revez J.², Loh Z.¹, Simpson J.¹, Zhang V.¹, Bain L.², Varelias A.², Rose-John S.³, Smyth M.², Hill G.², Sukkar M.², Ferreira M.A.², Phipps S.¹
¹University of Queensland, Brisbane, Australia, ²QIMR Berghofer Medical Research Institute, Brisbane, Australia, ³Christian-Albrechts-University of Kiel, Department of Biochemistry, Kiel, Germany, ⁴University of Queensland Diamantina Institute, Translational Research Institute, Brisbane, Australia, ⁵Woolcock Institute of Medical Research, Sydney, Australia

88 Impact of bacterial colonisation of germ-free mice at weaning on allergic sensitisation to cow’s milk
Morin S.¹,², Bernard H.¹,², Gérard R.², Rabot S.², Wal J.-M.¹,², Adel-Patient K.¹,², Hazebrouck S.¹,²

Oral Abstract Session (OAS 16)
10:45 – 12:15
Room 115

Diagnosis of food allergy

Is BAT the panacea in food allergy diagnosis?
Edward Knol, The Netherlands

Chair:
Edward Knol, The Netherlands
Belén de la Hoz Caballer, Spain

91 Combined clinical history and sIgE values or SPT results as predictors of food allergy
Tzeli K.¹, Zolkipi, Z.²,³,⁴, DunnGalvin A.³, Erlewyn-Lajeunesse M.²,³,⁴, Hourihane J.³, Papadopoulos N.³,⁵, Blyth T.¹, Roberts G.²,³,⁴
¹National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Unit of Allergology & Clinical Immunology, Athens, Greece, ²University of Southampton Faculty of Medicine, Southampton, United Kingdom, ³David Hide Asthma and Allergy Research Centre, St Mary’s Hospital, Isle of Wight, United Kingdom, ⁴Southampton University Hospital NHS Foundation Trust, Southampton, United Kingdom, ⁵Cork University College, Cork, Ireland, ⁶University of Manchester, Manchester, United Kingdom, ⁷Maidstone and Tunbridge Wells NHS Trust, Tunbridge Wells, United Kingdom

92 Outcomes of open food challenges in adults
Makatsori M.¹, Skypala I.¹, Mc Kenzie R.¹, Scadding G.W.¹, Durham S.R.¹
¹Royal Brompton Hospital, Allergy, London, United Kingdom

93 Sensitisation profile in hazelnut allergic children: are co-sensitisation to peanut and tree-nut relevant?
Elfer E.¹,², Mortz C.¹,², Bindslev-Jensen C.¹,²
¹Odense University Hospital, Dept Dermatology and Allergy Centre, Odense C, Denmark, ²Odense Research Centre for Anaphylaxis (ORCA), Department of Dermatology and Allergy Centre, Odense University Hospital, Odense, Denmark

94 Variants that regulate the expression of SLC2A9, STX11, IER5L and IFNG are associated with peanut food allergy
Martino D.¹, Ferreira M.², Ashley S.¹, Koplin J.¹, Ellis J.¹, Saffery R.¹, Allen K.¹, Gastro and Food Allergy
¹Murdoch Childrens Research Institute, Gastro and Food Allergy, Parkville, Australia, ²Queensland Institute of Medical Research Berghofer, Brisbane, Australia

95 Basophil allergen threshold sensitivity, CD-sens, is a useful tool to optimise omalizumab dosage in food allergic patients
Brandström J.¹, Nopp A.², Johansson S.G.O.², Sundqvist A.-C.³, Lilja G.¹, Nilsson C.²
¹Karolinska Institutet, Department of Clinical Sciences and Education, Södersjukhuset and Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden, ²Karolinska Institutet, Department of Medicine, Clinical Immunology and Allergy Unit, Stockholm, Sweden

96 Basophil activation during – but not prior to – IgE-mediated allergic reactions to peanut correlates with symptom severity
Turner P.D.¹,², Ruiz-Garcia M.¹, Parkin R.V.², McMahon O.², Clark A.¹, Boyle R.J.¹, Durham S.R.², Shamji M.H.³
¹Imperial College London, Section of Paediatrics (Allergy & Immunology), London, United Kingdom, ²University of Sydney, Division of Paediatrics and Child Health, Sydney, Australia, ³Imperial College London, National Heart Lung Institute, London, United Kingdom, ⁴Addenbrookes University Hospital, Paediatric Allergy, Cambridge, United Kingdom
**Oral Abstract Session (OAS 17)**

**NSAIDs hypersensitivity: from mechanisms to diagnosis**

**Room 117**

**Chairs:** Miguel Blanca, Spain  
Marek Kowalski, Poland

**What’s new in NSAID hypersensitivity**

Miguel Blanca, Spain

**Room 117**

97  **GWAS identify new genetic predictors of drug hypersensitivity against betalactams and non-steroidal anti-inflammatory drugs**  
Gueant J.-L. 1, Romano A. 2, Blanca M. 3  
1Inserm UMR-S 954 N-GERE, University of Lorraine, Nutrition-Genetics-Environmental Risks, Institute of Medical Research, Nancy, France,  2Complesso Integrato Columbus, Department of Internal Medicine and Geriatrics, UCSC-Allergy Unit, Roma, Italy,  3Regional University Hospital of Malaqa, Allergy Unit and Research Laboratory, IBIMA, Malaga, Spain

**Room 117**

98  **Dyspnoea after taking propionic acids**  
Barasona Villarejo M.J. 1, García Nuñez L. 2, Cano Mollinedo M.D.M. 1, Moreno Aguilar C. 1  
1Hospital Universitario Reina Sofía, Allergology, Córdoba, Spain,  2Hospital Quirón, Allergology, Málaga, Spain

**Room 117**

99  **Aspirin challenge / desensitization procedure in coronary artery diseases: a consensus meeting of EAACI interest group on drug Allergy (ENDA)**  
1Rimini Hospital, Internal Medicine, Rimini, Italy,  2Verona University and General Hospital, Allergy Unit, Verona, Italy,  3San Giovanni di Dio Hospital, Allergy Unit, Florence, Italy,  4Nancy Hospital, Allergy Unit, Nancy, France,  5Columbus Hospital, Allergy Unit, Roma, Italy,  6Malaqa Regional University Hospital, Allergy Unit, Malaqa, Spain,  7Hospital Central de la Cruz Roja, Servicio de Alergia, Madrid, Spain,  8Niguarda Hospital, Allergy Unit, Milano, Italy,  9Lodz University, Allergy Unit, Lodz, Poland,  10Munich University, Allergy Unit, Munich, Germany,  11Clinica San Carlo, Allergy Unit, Milano, Italy,  12Mantova Hospital, Allergy Unit, Mantova, Italy,  13Faenza Hospital, Allergy Unit, Faenaz, Italy,  14Salerno Hospital, Allergy Unit, Salerno, Italy,  15Porto University, Allergy Unit, Porto, Portugal

**Room 117**

100  **Evaluation of the hypersensitivity reactions to nonsteroidal anti-inflammatory drugs according to the latest classification**  
Demir S. 1, Olgac M. 1, Unal D. 1, Asli G. 1, Colakoglu B. 1, Buyukozturk S. 1  
1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey

**Room 117**

101  **The onset of NSAID-involved reactions depends on the phenotype**  
Sánchez-López J. 1, García-Moral A. 1, Cardona V. 2, Guiarte M. 2, Muñoz-Can R. 1, Pascal M. 2, Rueda M. 1, Picado C. 1, Valero A. 1, Bartra J. 1  
1Hospital Clinic, Pulmonology and Respiratory Allergy, Barcelona, Spain,  2Hospital Vall d’Hebron, Allergy, Barcelona, Spain,  3Hospital Clinic, Immunology, Barcelona, Spain

**Room 117**

102  **Nonsteroid anti-inflammatory drug hypersensitivity among children**  
Guvencir H. 1, Dibek Misirlioglu E. 1, Vezer E. 1, Toyran M. 1, Ginis T. 1, Civelek E. 1, Kocabas C.N. 2  
1Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey,  2Mugla Sitki Kocman University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Mugla, Turkey

**Oral Abstract Session (OAS 18)**

**Dendritic and epithelial cells as the first responders**

**Room 127-128**

**Chairs:** Thomas Eweweger, Austria  
Paulina Wawrzyniak, Switzerland

**Role for tissue cells in regulating immune responses**

Paulina Wawrzyniak, Switzerland

**Room 127-128**

103  **Dendritic cells promoting T_{2} differentiation overexpress a specific miRNA linked to allergic rhinitis severity and allergen immunotherapy efficacy**  
Lombardi V. 1, Luces S. 1, Moussu H. 1, Morizur L. 1, Neukirch C. 2, Chollet-Martín S. 2, Gueguen C. 1, Mascarel L. 1, Barón-Bodo V. 1, Aubier M. 2, Moingeon P. 1  
1Stallergenes, Antony, France,  2Hôpital Bichat, Paris, France

**Room 127-128**

104  **Effects of the dendritic cell (DC)-targeting peptide ‘pep3’ on antigen-presenting and T-cell stimulatory capacity of equine DC**  
Ziegler A. 1, Olzhausen J. 2, Hamza E. 1, Garbani M. 2, Rhyner C. 2, Gerber V. 1, Marti E. 1  
1Vetsuisse Faculty, University of Bern, DCR-VPH, Clinical Immunology, Bern, Switzerland,  2Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos, Switzerland,  3Swiss Institute of Equine Medicine, University of Bern and Agroscope, Bern, Switzerland

**Room 127-128**
Oral Abstract Session (OAS 19)

Pediatric allergy

**Significance of IgA in food allergy and tolerance induction?**

Georgios Konstantinou, Greece

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**Educating adolescents at risk of anaphylaxis (the ERA study)**


1Newcastle University, Culture Lab, School of Computing Science, Newcastle upon Tyne, United Kingdom, 2Newcastle upon Tyne Hospitals NHS Foundation Trust, Great North Children’s Hospital, Newcastle upon Tyne, United Kingdom, 3Newcastle University, School of Medical Education, Newcastle upon Tyne, United Kingdom

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**Clinical utility of new biomarkers, periostin and SCCA1/SCCA2, in childhood asthma and atop dermatitis**

Hirayama J., Kainuma K., Nagao M., Fujisawa T., Ohta S., Izuhara K.

1Mie National Hospital, Institute for Clinical Research, Tsu, Japan, 2Saga Medical School, Department of Laboratory Medicine, Saga, Japan, 3Saga Medical School, Division of Medical Biochemistry, Department of Biomolecular Sciences, Saga, Japan

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**Immunological mechanisms implicated in the cow’s-milk protein allergy in infants. Role of regulatory T cells (Treg)**


1CIAL-CSIC, Madrid, Spain, 2Gregorio Marañón Health Research Institute (IISGM), Laboratory of Immune-regulation, Madrid, Spain, 3Hospital General Universitario Gregorio Marañón, Pediatric-Allergy Division, Madrid, Spain, 4Hospital General Universitario Gregorio Marañón, Immuno-pediatrics Division, Madrid, Spain

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**Breaking nasal epithelial cell tolerance to LPS exposure by CD16 mediated co-stimulation with human serum IgG**

Golebski K., van Egmond D., de Groot E., Fokkens W.J., den Dunnen J., van Drunen C.M.

1Academic Medical Center, Otorhinolaryngology, Amsterdam, The Netherlands, 2Academic Medical Center, Cell Biology and Histology, Amsterdam, The Netherlands

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**IL-4 abrogates T17 cell-mediated inflammation by selective silencing of IL-23 in antigen-presenting cells**

Guennova E., Skabytska Y., Hoetzenecker W., Volz T., Köberle M., Kaesler S., Thomas P., Ghoreschi K., Schäkel K., Schaller M., Röken M., Biedermann T.

1University Hospital Zurich, Department of Dermatology, Zurich, Switzerland, 2Eberhard Karls University, Department of Dermatology, Tuebingen, Germany, 3Klinikum rechts der Isar, Technische Universität München, Department of Dermatology and Allergy Biederstein, Munich, Germany

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**Allergen extract activates autophagy that induces IL-18 release from airway epithelial cells**

Ohshima Y., Murali H., Okazaki S., Sur S., Hayashi H., Kawakita A., Yasutomi M.

1Faculty of Medical Sciences, University of Fukui, Pediatrics, Fukui, Japan, 2University of Texas Medical Branch at Galveston, Internal Medicine, Galveston, United States

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**Long-term effects of perinatal probiotic use in eczema – results on microbiota composition and functionality**

Kim H.K., Runten N., van den Breemer R., Besseling - van der Vaart I., Choi Y.H., Rijkers G.T., van Hemert S.

1Leiden University, Natural Product Laboratory, Leiden, The Netherlands, 2St. Antonius Hospital, Dept of Paediatrics, Nieuwegein, The Netherlands, 3Winclove Probiotics, Amsterdam, The Netherlands, 4University College Roosevelt, Science Department, Middelburg, The Netherlands

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**The association between FLG loss-of-function mutations and food sensitisation is modified by atopic dermatitis**


1Helmholtz Zentrum München, German Research Center for Environmental Health, Institute of Epidemiology I, Neuherberg, Germany, 2University Hospital Schleswig-Holstein, Campus Kiel, Department of Dermatology, Allergology, and Venereology, Kiel, Germany, 3Ludwig Maximilians University of Munich, Dr. von Hauner Children’s Hospital, Division of Paediatric Gastroenterology and...
Hepatology, Munich, Germany, 4Technical University of Munich, Department of Pediatrics, Munich, Germany, 5IF – Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany, 6Heinrich-Heine University of Düsseldorf, Medical Faculty, Düsseldorf, Germany, 7Marien-Hospital, Research Institute, Department of Pediatrics, Wesel, Germany, 8Heilmolz Centre for Environmental Research - UFZ, Department of Environmental Immunology/Core Facility Studies, Leipzig, Germany

**Poster Discussion Session (PDS 12)**

**Chair:** Valentina Gutierrez-Val, Spain

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### 363 Bronchial thermoplasty: a therapeutic option for severe allergic uncontrolled asthma

Aubier M., Dombret M.-C., Thabut G., Taille C., Marina P., Chanez P.

1Faculté de Médecine Paris Diderot, Hôpital Bichat, Pneumologie A, Paris, France, 2Faculté de Médecine Paris Diderot, Hôpital Bichat, Pneumologie B, Paris, France, 3Inserm UMR-S 1152 Faculté de Médecine Paris Diderot, Paris, France, 4Université de la Méditerranée, Hôpital Nord, Maladies Respiratoires, Marseille, France

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### 364 State of the Union – an assessment of current asthmaics, their demographics, treatment and outcomes in 153 practices across the UK

Price D., van Alderden W., Bleecker E., Campbell J., Roche N., Skinner D., Thomas V.

1Research in Real Life, Cambridge, United Kingdom, 2Emma Children’s Hospital AMC, Department of Paediatric Respiratory Medicine and Allergy, Amsterdam, The Netherlands, 3Wake Forest School of Medicine, Center for Genomics and Personalized Medicine Research, Winston Salem, United States, 4University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Center for Pharmaceutical Outcomes Research, Aurora, United States, 5University Paris Descartes, Respiratory and Intensive Care Medicine Department, Paris, France

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### 365 Different reference equations and asthma control

Gomes Belo J., Martins P., Peralta L., Serrano S., Neuparth N., Leiria Pinto P.

1Hospital Dona Estefania, Allergology and Clinical Immunology Department, Lisbon, Portugal, 2CEDOC, NOVA Medical School / Faculdade de Ciências Médicas, Universidade Nova de Lisboa, Lisbon, Portugal

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### 366 Influence of chronic rhinosinusitis diagnosis on asthma response to omalizumab in severe uncontrolled asthmatics

Sintobin I., Vennera M.D.C., Holtappels G., Picado C., Mullol J., Bachert C.

1Ghent University, Upper Airway Research Laboratory, Ghent, Belgium, 2Universitat de Barcelona, Department of Pneumology and Respiratory Allergy, Hospital Clinic, Barcelona, Spain, 3Institut d’Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain, 4Centro de Investigaciones Biomédicas en Red de Enfermedades Respiratorias (CIBERES), Barcelona, Spain, 5Hospital Clinic de Barcelona, Rhinology Unit & Smell Clinic, ENT Department, Barcelona, Spain, 6Karolinska Institutet, Division of Ear, Nose, and Throat Diseases, Clínic, Stockholm, Sweden

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### 367 Evaluation of patients with uncontrolled asthma in a specialised severe asthma centre: the effect on asthma control, quality of life and health care utilisation

van der Meer A.N., Pasma H., Kempenaar W., Pelinck J., Schutten M., Storm H., ten Brinke A.

1Medical Centre Leeuwarden, Pulmonology, Leeuwarden, The Netherlands, 2Medical Centre Leeuwarden, Psychology, Leeuwarden, The Netherlands, 3Medical Centre Leeuwarden, Physiotherapy, Leeuwarden, The Netherlands, 4Medical Centre Leeuwarden, Clinical Chemistry, Leeuwarden, The Netherlands

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### 368 Relationship of response to omalizumab and baseline FeNO: results from a post-hoc analysis of EXALT study

Mang A., Erpenbeck V., Rao S.

1Novartis Pharma AG, Basel, Switzerland

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### 369 Association between the dyspnea perception and the degree of bronchoconstriction in asthmatic children

Oh H.L., Song J.H., Koh Y.Y., Suh D.I.

1Seoul National University College of Medicine, Pediatrics, Seoul, Republic of Korea, 2Kyung Hee University Medical Center, Pediatrics, Seoul, Republic of Korea

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### 370 An identikit of patients admitted to emergency department for asthma exacerbation: a real-life study

Bissolino C., Losappio L., Heffler E., Carpentieri R.

1University of Torino, Department of Medical Sciences - Allergy and Clinical Immunology, Turin, Italy, 2University of Foggia, Cardiology, Foggia, Italy, 3Dimiccoli Hospital, Emergency Department, Barletta, Italy

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### 371 The attitude towards the use of magnesium sulphate for acute asthma exacerbations among Turkish physicians: the current practice

Bacıoğlu A., Bakirtas A., Oner Erkekol F.,Kalaycı O., Babevk S.

1Kirikkale University Faculty of Medicine, Department of Pulmonary Diseases, Division of Immunology and Allergic Diseases, Kirikkale, Turkey, 2Gazi University Faculty of Medicine, Department of Pediatric Diseases, Division of Allergy and Asthma, Ankara, Turkey, 3Atatürk Chest Diseases and Chest Surgery Training and Research Hospital, Clinic of Immunology and Allergic Diseases, Ankara, Turkey, 4Hacettepe University School of Medicine, Pediatric Allergy and Asthma Unit, Ankara, Turkey, 5Ankara University Faculty of Medicine, Department of Pulmonary Diseases, Division of Clinical Immunology and Allergic Diseases, Ankara, Turkey

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**Monday, 8 June 2015**
372 Acute exacerbations in subjects with asthma vs. asthma-COPD overlap syndrome (ACOS)
Joon Young C., In Young K., Hea Yon L., Hwa Young L.,
Chin Kook R., Ji Young K., Sook Young L., Young Kyoon K.,
Soon Suk K.
Division of Allergy and Pulmonology, The Catholic University
of Korea School of Medicine, Internal Medicine, Seoul,
Republic of Korea

**Poster Discussion Session (PDS 13)**

**New methods in molecular allergology**

**Poster Discussion Zone 2**

10:45 – 12:15

**Chair:** Rob Aalberse, The Netherlands
Christian Lupinek, Austria

373 Recombinant FcεRiα of dog, cat and horse as novel
diagnostic tools to detect IgE in these species

Einhorn L. 1,2, Fazekas J. 1,2, Muhr M. 1,2, Schoos A. 1,2, Panakova
L. 3, Herrmann I. 3, Manzano-Szalai K. 1, Oda K. 1,2, Jensen-Jarolim E. 1,2

1Comparative Medicine, Messerli Research Institute of the
University of Veterinary Medicine, Vienna, Austria,
2Institute of Pathophysiology and Allergy Medical University Vienna,
Vienna, Austria,
3Clinical Department of Small Animal Internal Medicine,
University of Veterinary Medicine Vienna, Vienna,
Austria,
1Laboratory of Veterinary Molecular Pathology and
Therapeutics, Tokyo University of Agriculture and Technology,
Tokio, Japan

374 INA (individual native In-vitro allergy diagnostics)
cat-detector: a new and simple method to detect
the distribution of cat allergens on the cats, their
surroundings and in places where usually no cats are present

Wahl R. 1, Uhlig J. 1

1ROXALL Medizin, Oststeinbek, Germany

375 Do different breeds of cats differ in their allergenicity?
Application of the INA (individual native In-vitro allergy
diagnostics) cat-detector on different breeds of cats

Wahl R. 1, Uhlig J. 1

1ROXALL Medizin, Oststeinbek, Germany

376 INA (individual native In-vitro allergy diagnostics): a
new and simple method to investigate dog allergen on
different breeds of dogs

Wahl R. 1, Putersen O. 1

1ROXALL Medizin, Oststeinbek, Germany

377 Evaluation of the Omega Allersys® allergy system for
the detection of specific IgE

Tonutti E. 1, Visentini D. 1, Villalta D. 2, Fontana D. E. 2

1Ospedale-Università di Udine, Laboratory of
Immunopathology and Allergy, Udine, Italy,
2Ospedale di Pordenone, Allergy and Immunology, Pordenone, Italy,
3Ospedale-Università di Udine, Immunopathology and Allergy, Udine, Italy

378 Evaluation of an automated microarray allergy test

Williams P. 1, Önell A. 2, Hui V. 2, El Shanawany T. 1

1University Hospital of Wales, Dept of Immunology, Cardiff,
United Kingdom,
2Microtest Dx, London, United Kingdom

379 Evaluation of Microtest allergy system compared to
three established diagnostic methods

Konradsen J. 1, Nordlund B. 1, Winkler A. 2, Baldacchini F. 3,
Mazzoleni G. 3, Onell A. 2, Hedlin G. 1, Grönlund H. 2

1Karolinska Institutet, Woman’s and Children’s Health,
Stockholm, Sweden,
2Karolinska Institutet, Dept Clinical
Neuroscience, Stockholm, Sweden,
3Microtest Dx, London, United Kingdom

380 Skin response to recombinant birch pollen allergen (Bet
v 1a) in allergic patients during and out of the birch
pollen season

Brzezinska-Pawlowska O. 1, Lupinek C. 2, Piechota-Polańczyk
A. 1, Kurowski M. 1, Jabłońska A. 1, Stolarz F. 2, Kopp S. 3,
Neubauer A. 2, Kiss R. 2, Valenta R. 3, Kowalski M. L. 1

1Medical University of Lodz, Poland, Department of
Immunology, Rheumatology and Allergy, Healthy Ageing
Research Centre, Łódź, Poland,
2Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center
for Pathophysiology, Infectiology and Immunology, Vienna,
Austria,
3Biomay AG, Vienna, Austria

**Poster Discussion Session (PDS 13)**

**New methods in molecular allergology**

**Poster Discussion Zone 2**

10:45 – 12:15

**Chair:** Rob Aalberse, The Netherlands
Christian Lupinek, Austria

373 Recombinant FcεRiα of dog, cat and horse as novel
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Einhorn L. 1,2, Fazekas J. 1,2, Muhr M. 1,2, Schoos A. 1,2, Panakova
L. 3, Herrmann I. 3, Manzano-Szalai K. 1, Oda K. 1,2, Jensen-Jarolim E. 1,2

1Comparative Medicine, Messerli Research Institute of the
University of Veterinary Medicine, Vienna, Austria,
2Institute of Pathophysiology and Allergy Medical University Vienna,
Vienna, Austria,
3Clinical Department of Small Animal Internal Medicine,
University of Veterinary Medicine Vienna, Vienna,
Austria,
1Laboratory of Veterinary Molecular Pathology and
Therapeutics, Tokyo University of Agriculture and Technology,
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cat-detector: a new and simple method to detect
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1ROXALL Medizin, Oststeinbek, Germany

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Application of the INA (individual native In-vitro allergy
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1ROXALL Medizin, Oststeinbek, Germany

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Tonutti E. 1, Visentini D. 1, Villalta D. 2, Fontana D. E. 2

1Ospedale-Università di Udine, Laboratory of
Immunopathology and Allergy, Udine, Italy,
2Ospedale di Pordenone, Allergy and Immunology, Pordenone, Italy,
3Ospedale-Università di Udine, Immunopathology and Allergy, Udine, Italy

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Williams P. 1, Önell A. 2, Hui V. 2, El Shanawany T. 1

1University Hospital of Wales, Dept of Immunology, Cardiff,
United Kingdom,
2Microtest Dx, London, United Kingdom

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Konradsen J. 1, Nordlund B. 1, Winkler A. 2, Baldacchini F. 3,
Mazzoleni G. 3, Onell A. 2, Hedlin G. 1, Grönlund H. 2

1Karolinska Institutet, Woman’s and Children’s Health,
Stockholm, Sweden,
2Karolinska Institutet, Dept Clinical
Neuroscience, Stockholm, Sweden,
3Microtest Dx, London, United Kingdom

380 Skin response to recombinant birch pollen allergen (Bet
v 1a) in allergic patients during and out of the birch
pollen season

Brzezinska-Pawlowska O. 1, Lupinek C. 2, Piechota-Polańczyk
A. 1, Kurowski M. 1, Jabłońska A. 1, Stolarz F. 2, Kopp S. 3,
Neubauer A. 2, Kiss R. 2, Valenta R. 3, Kowalski M. L. 1

1Medical University of Lodz, Poland, Department of
Immunology, Rheumatology and Allergy, Healthy Ageing
Research Centre, Łódź, Poland,
2Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center
for Pathophysiology, Infectiology and Immunology, Vienna,
Austria,
3Biomay AG, Vienna, Austria

381 Identifying birch allergic patients: use of skin prick test
and IgE classifications

Nelson V. 1, Sadoway T. 1, Pathmanapan S. 1, Patel P. 1, Salapatek A. M. 1

1Inflammax Research, Mississauga, Canada

382 Skin prick test and serum specific IgE level as predictors
of nasal challenge response to Dermatophagoides
pteronyssinus in children

Cho E. 1, Baek J.H. 2, Jee H.M. 1, Shin Y.H. 2, Koh H.Y. 1, Han M.Y. 2,
Jung Y.-H. 2

1CHA University School of Medicine, Seongnam, Republic of
Korea,
2Bundang CHA Medical Center, CHA University School
of Medicine, Department of Pediatrics, Seongnam, Republic
of Korea,
3Gangnam CHA Medical Center, CHA University School
of Medicine, Department of Pediatrics, Seoul, Republic
of Korea

383 Clinical and immunological differences between house
dust mite sensitised versus allergic patients

Zidarn M. 1, Robic M. 1, Krivec A. 1, Silar M. 1, Resch Y. 2, Vrtala
S. 2, Kopac P. 1, Kosnik M. 1, Korosec P. 1

1University Clinic of Respiratory and Allergic Diseases
Golnik, Allergy Department, Golnik, Slovenia,
2Center for Pathophysiology, Infectiology and Immunology Department of
Pathophysiology and Allergy Research AKH, Vienna, Austria
Atopic dermatitis and other skin conditions: mechanisms

**Poster Discussion Session (PDS 14)**

**Poster Discussion Zone 4**

**Atopic dermatitis and other skin conditions: mechanisms**

**Chairs:** Tilo Biedermann, Germany
Carla Bruijkee-Koomen, The Netherlands

**384** Validation of BAT testing with a wide spectrum of house dust mite recombinant allergens

Silar M.1, Resch Y.2, Zidarn M.1, Vrtala S.2, Kopac P.1, Kosnik M.1, Valenta R.2, Korosec P.1
1University Clinic for Respiratory and Allergic Diseases Golnik, Golnik, Slovenia, 2Medical University of Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria

**386** A fragmented detection antibody conjugate successfully eliminates falsely elevated tryptase levels due to heterophilic antibodies

Rydell N.1, Magnusson B.1, Ekström-Burell A.1, Odelstad L.1, Sjölander A.1
1Thermo Fisher Scientific, Uppsala, Sweden

**385** Establishment of artificial human sera (ARTHUS) based on chimeras of FcgammaRI and human immunoglobulin domains

Offermann N.1, Plum M.2, Rathloff K.2, Sundermann U.1, Fooke M.1, Spiller E.2
1Dr. Fooke Laboratorien GmbH, R&D, Neuss, Germany, 2Aarhus University, Department of Engineering, Aarhus, Denmark

**387** Heterologous production of food- and pollen-related allergen components for the detection of sensitisation patterns

Sundermann U.1, Britsch M.1, Offermann N.1, Fooke M.1
1Dr. Fooke Laboratorien GmbH, R&D, Neuss, Germany

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**388** Steroid fear, acceptability, usage frequency, quality of life and disease severity in childhood eczema

Hon K.L.E.1, Tsang Y.C.K.1, Leung T.F.1
1Chinese University of Hong Kong, Paediatrics, Hong Kong, Hong Kong, China

**389** The perception of topical corticosteroid by caregivers of atopic dermatitis children

Murakami Y.1, Amimoto Y.1, Odajima H.1
1Fukuoka National Hospital, Pediatrics, Fukuoka City, Japan

**390** Methoxyluteolin inhibits human mast cells and reduces skin inflammation

Theeharides T.1
1Tufts University School of Medicine, Department of Integrative Physiology and Pathobiology, Boston, United States

**391** Dog exposure from birth decreases the risk of eczema in childhood

Thorsteinsdottir S.1, Stokholm J.1, Bisgaard H.1
1Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, Copenhagen, Denmark

**392** Increased thymic stromal lymphopoietin and reduced filaggrin expression in the epidermis are associated with the development of atopic dermatitis in infants

1Samsung Medical Center, Seoul, Republic of Korea, 2Environmental Health Center for Atopic Diseases, Seoul, Republic of Korea, 3National Jewish Health, Denver, United States

**393** Allergen immunotherapy in a murine model of atopic dermatitis using a monomeric allergoid adjuvanted with exopolysaccharide from Shigella sonnei

Babakhin A.1, Shershakova N.1, Kamishnikov O.1, Laskin A.1, Lvov V.1, Aparin P.1, Khaitov M.1, DuBuske L.2,3
1NRC-Institute of Immunology FMBA of Russia, Moscow, Russian Federation, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University, MFA, Washington, DC, United States

**394** Association of cord blood adiponectin, leptin, and C-reactive protein with atopic dermatitis in the first year of life

Logan C.A.1, Koenig W.2, Reister F.2, Weiss J.M.3, Rothenbacher D.1, Genuneit J.1
1Ulm University, Institut für Epidemiologie und Medizinische Biometrie, Ulm, Germany, 2Ulm University Medical Center, Department of Internal Medicine II - Cardiology, Ulm, Germany, 3Ulm University Medical Center, Department of Gynecology and Obstetrics, Ulm, Germany, 4Ulm University Medical Center, Department of Dermatology and Allergology, Ulm, Germany

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**Monday, 8 June 2015**


**Late Breaking Poster Discussion Session (LB PDS 2)**

**Monday, 8 June 2015**

### Asthma and allergy

#### Chair: Frode Jahnsen, Norway

<table>
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<tr>
<th>Session Time</th>
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<td>10:45 – 12:15</td>
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### 1541 Apolipoprotein B: a possible new biomarker for anaphylaxis

**Pettersson M.E.**1,2, **Floksstra-de Blok B.M.J.**2,3, **van Ginkel C.D.**1,2, **Grotenboer N.S.**1,2, **Kukler J.**1,2, **Roozendaal C.**1, Muller-Kobold A.C.1,2, **Kollen B.J.**2,3, **Dubois A.E.J.**1,2

1University of Groningen, University Medical Center Groningen, Pediatric Pulmonology and Pediatric Allergology, Groningen, The Netherlands, 2University of Groningen, University Medical Center Groningen, GRIAC Research Institute, Groningen, The Netherlands, 3University of Groningen, University Medical Center Groningen, General Practice, Groningen, The Netherlands

**Implications of soluble FcεRI in the IgE-mediated anaphylaxis**

**Frode Jahnsen, Norway**

### 1542 Comorbidities in preschool-age children with asthma and healthy controls

**Roumpedaki E.**1, **Stamatakis S.**2, **Xepapadaki P.**3, **Sintobin I.**2, **Bachert C.**1, **Lukkarinen H.**4, **Jarti T.**3, **Zimmerman T.**3, **Finotto S.**5, **Sobanska A.**2, **Kowaliski M.**7, **Papadopoulos N.G.**6,9

1Allergy Unit, 2nd Pediatric Clinic, University of Athens, Athens, Greece, 2ENT Department, P & A Kyriakou Children Hospital, Athens, Greece, 3Ghent University Hospital, Upper Airway Research Laboratory (UGENT), Ghent, Belgium, 4Department of Pediatrics, Turku University Hospital, Turku, Finland, 5The Children’s Hospital in Erlangen, Allergy and Pneumology Department, Erlangen, Germany, 6Friedrich-Alexander Universität Erlangen-Nürnberg, Molecular Pneumology Institute Universitätsklinikum, Erlangen, Germany, 7Medical University, Central University Hospital, Department of Immunology, Rheumatology and Allergy, Faculty of Medicine, Lodz, Poland, 8Allergy Unit, 2nd Pediatric Clinic, University of Athens, Goudi, Athens, Greece, 9Centre for Paediatrics and Child Health, Institute of Human Development, University of Manchester, Manchester, United Kingdom

### 1543 Implications of soluble FcεRI in the IgE-mediated immune response

**Mohino Romero S.**1, **Bannert C.**1, **Schmidthaler K.**1, **Eiwegger T.**1, **Dehlink E.**1, **Fiocchi A.**1, **Amoah A.S.**1, **Yazdanbakhsh M.**1, **Bohle B.**1, **Fiebig E.**1, **Szépfaluszki Z.**1

1Medical University of Vienna, Department of Pediatrics and Adolescent Medicine, Vienna, Austria, 2Hospital Bambino Gesù in Rome, Rome, Italy, 3Leiden University Medical Center, Department of Parasitology, Leiden, The Netherlands, 4Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 5Harvard Medical School Children’s Hospital Boston, Division of Gastroenterology and Nutrition and Department of Pediatrics, Boston, United States

### 1544 Longitudinal trajectory of allergen-specific IgE levels from prenatal stage to early life

**Wang J.-Y.**1, **Chen C.-A.**1, **Hou Y.-L.**1, **Hsiao W.-L.**1, **Huang Y.-W.**2, **Tsai Y.-T.**2, **Tsai H.-J.**2

1National Cheng Kung University, Pediatrics, Tainan City, Taiwan, 2National Health Research Institutes, Zhunan, Taiwan

### 1545 Prevention of early atopic dermatitis among low-atopy-risk infants by immunovaccine prebiotics is not sustained after the first year of life

**Grüber C.**1,2, **Margriet V.S.**3, **Mosca F.**2, **Moro G.**6, **Chirico G.**6, **Braegger C.**3, **Riedler J.**6, **Yavuz Y.**6, **Boehm G.**10, **Wahn U.**2, **MIPS II Study Group**

1Klinikum Frankfurt (Oder), Pediatrics, Frankfurt (Oder), Germany, 2Charité - Universitätsmedizin Berlin, Pediatric Pneumology / Immunology, Berlin, Germany, 3UMC Groningen, Neonatology, Groningen, The Netherlands, 4University of Milan, NICO, Milan, Italy, 5Macedonio Melloni Hospital, Milan, Italy, 6Spedali Civili, Neonatology, Brescia, Italy, 7University Children’s Hospital, Division of Gastroenterology and Nutrition, Zurich, Switzerland, 8Schwarzach Hospital, Children’s Hospital, Schwarzach, Austria, 9Nutricia Research, Utrecht, The Netherlands, 10Nutricia Research, Leipzig, Germany

### 1546 New data in the prevalence of Helicobacter pylori infection in allergic patients

**Levchenko A.R.**1, **Tkach S.M.**2, **Romanjuk L.I.**1,2,4

1National Medical University, named after O.O. Bogomolets, Internal Medicine #1, Kyiv, Ukraine, 2National Medical University, named after O.O. Bogomolets, Kyiv, Ukraine, 3Kyiv City Clinical Hospital #8, Department of Allergology #1, Kyiv, Ukraine, 4Kyiv City Clinical Hospital #8, Kyiv, Ukraine

### 1547 The effect of atopy on occurrence, type and duration of respiratory tract infections in children and adults

**Georgouzitrou A.**1, **Maggina P.**1, **Kokkinou D.**1, **Taka S.**1, **Stamatakis S.**2, **Roumpedaki E.**1, **Douladiris N.**1, **Xepapadaki P.**1, **Papaevangelou V.**1, **Andreakos E.**4, **Tsolia M.**5, **Papadopoulos N.G.**1

1National & Kapodistrian University of Athens, 2nd Department of Pediatrics, Unit of Allergy and Clinical Immunology, Athens, Greece, 2P. & A. Kyriakou’ Children’s Hospital, Athens, Greece, 3ENT Department, P & A Kyriakou Children Hospital, Athens, Greece, 4Medical University of Vienna, Department of Pediatrics, University Medical Center, Department of Parasitology, Leiden, The Netherlands, 5Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 6Harvard Medical School Children’s Hospital Boston, Division of Gastroenterology and Nutrition and Department of Pediatrics, Boston, United States

### 1548 Specific IgE antibodies to synthetic glycan structures in a helminth-endemic area of Indonesia

**Hamid F.**1,2, **Asuming-Brempong E.**1, **Amoah A.S.**2,3, **Sartono E.**2, **Reichardt N.-C.**4, **van Ree R.**5, **van Diepen A.**2, **Hokke C.H.**2, **Yazdanbakhsh M.**6

1Hasanuddin University, Department of Microbiology, Faculty of Medicine, Makassar, Indonesia, 2Leiden University Medical Center, Department of Parasitology, Leiden, The Netherlands, 3Noguchi Memorial Institute for Medical Research, Department of Parasitology, Accra, Ghana, 4CIC biomaGUNE, Glycotechnology Laboratory, San Sebastian, Spain, 5Academic Medical Center, University of Amsterdam, Department of Experimental Immunology and Department of Otorhinolaryngology, Amsterdam, The Netherlands
1549 Structural and functional analyses of monoclonal antibodies specific for cross-reactive carbohydrate IgE epitopes
Plum M.¹, Raiber T.², Tjerrild L.², Bantleon F.¹, Wolf S.¹, Seissmann H.², Meie M.¹, Jabs F.¹, Jakob T.², Andersen G.R.³, Spillner E.¹
¹Aarhus University, Immunological Engineering, Department of Engineering, Aarhus, Denmark, ²University of Hamburg, Institute of Biochemistry and Molecular Biology, Department of Chemistry, Hamburg, Germany, ³Aarhus University, Department of Molecular Biology and Genetics, Aarhus, Denmark, ⁴Euroimmun AG, Lübeck, Germany, ⁵University Medical Center Freiburg, Freiburg, Germany

1550 T cell response to peptides of Infliximab in treated patients
Pratesi S.¹, Nencini F.¹, Maggi E.¹, Matucci A.², Vultaggio A.²
¹University of Florence, Department of Experimental and Clinical Medicine, Florence, Italy, ²Careggi Hospital, Immunology Units, Florence, Italy

1551 A study on the allergenic airborne pollens over the last 30 years in Beijing, China
Li Z.¹, He H.-J.¹, Gu J.-Q.¹, Tang R.¹, Sun J.-L.¹
¹Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Allergy, Beijing, China

1552 iNOS expression is increased in peripheral airways of asthmatic patients
Tufvesson E.¹, Andersson C.², Weidner J.¹, Erjefält J.S.³, Bjermer L.¹
¹Lund University, Dept. of Respiratory Medicine and Allergology, Lund, Sweden, ²Imperial College, London, United Kingdom, ³Lund University, Airway Inflammation, Lund, Sweden

The enzymatic functions of house dust mites contribute to skin barrier disruption
Oida K.¹,², Einforn L.¹,², Herrmann I.³, Vrtala S.¹,², Resch Y.³, Panakova L.¹, Hofstetter G.¹, Matsuda H.², Tanaka A.², Jensen-Jarolim E.¹,³
¹Messerli Research Institute of the University of Veterinary Medicine Vienna, Medical University Vienna and University Vienna, Comparative Medicine, Vienna, Austria, ²Tokyo University of Agriculture and Technology, Laboratory of Veterinary Molecular Pathology and Therapeutics, Tokyo, Japan, ³Medical University Vienna, Division of Comparative Immunology and Oncology, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, ⁴University of Veterinary Medicine Vienna, Clinical Department of Small Animal Internal Medicine, Vienna, Austria, ⁵Medical University Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, ⁶Medical University Vienna, Christian Doppler Laboratory for the Development of Allergen Chips, Vienna, Austria, ⁷University of Veterinary Medicine Vienna, Department for Companion Animal and Horses, Vienna, Austria, ⁸Tokyo University of Agriculture and Technology, Laboratory of Comparative Animal Medicine, Tokyo, Japan

**Pro & Con (PC 3)** 12:30 – 13:00

Anticholinergics should be added to salbutamol in the initial treatment of acute asthma

**Chair:** Ömer Kalayci, Turkey

**Pro**
Francine Ducharme, Canada

**Con**
Leif Bjermer, Sweden

**Pro & Con (PC 4)** 13:00 – 13:30

Screening for immune deficiencies should be performed in chronic rhinosinusitis

**Chair:** Cemal Cingi, Turkey

**Pro**
Philippe Gevaert, Belgium

**Con**
Claire Hopkins, United Kingdom
MONDAY, 8 JUNE 2015

**Sister Society Symposium (SSS 4) 12:30 – 13:30**

**Updated MACVIA-ARIA ICPs: the next step in allergic rhinitis management**

*Room 112*

**Introduction**
Jean Bousquet, France

**The Airway Integrated Care Pathway (ICP): a simpler way to manage allergic rhinitis**
Davide Caimmi, Italy

**The Allergy Diary app: digitally integrating with the airway ICP?**
Dermot Ryan, United Kingdom

**Updated MACVIA-ARIA ICPs: a new look**
Jean Bousquet, France

**Visual analogue scale: the common communication platform**
Peter Hellings, Belgium

**Wrap up and Discussion**

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**Symposium (SYM 24) 13:45 – 15:15**

**CRD: from component-resolved diagnosis to management in plant food allergy**

*Auditorium*

**Chairs:**
Fatima Ferreira, Austria
Olga Luengo, Spain

**PR10-Bet v 1 homologues**
Barbara Ballmer-Weber, Switzerland

**Lipid Transfer Proteins**
Montserrat Fernández-Rivas, Spain

**Storage proteins**
Rob Klemans, The Netherlands

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**Symposium (SYM 25) 13:45 – 15:15**

**PreDicta: tackling the infectious triggers of allergy**

*Room 211*

**Chairs:**
Nikos Papadopoulos, Greece
Claus Bachert, Belgium

**New generation molecular diagnosis of rhinovirus infections**
Katarzyna Niespodziana, Austria

**Development of DNAZymes against human rhinovirus**
Daniel Potaczek, Germany

**Preventing virus-induced asthma exacerbations by targeting IL-25 and type-2 innate lymphoid cells**
Nathan Bartlett, United Kingdom

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**Symposium (SYM 26) 13:45 – 15:15**

**IgE – effector cell axis in allergy**

*Room 212*

**Chairs:**
Moises Labrador-Horillo, Spain
Hans-Jürgen Hoffmann, Denmark

**Signal transduction through FCER1**
Bettina M. Jensen, Denmark

**Protective and pathological roles of basophils**
David Vöringer, Germany

**Mast cells as master regulators of tissue inflammation and remodeling**
Stephen Galli, United States
Symposium (SYM 27)  

**Mastocytosis**

**Chair:** Patrizia Bonadonna, Italy

**Clinical presentation and differential diagnosis of mastocytosis**
Luis Escrribano, Spain

**Mastocytosis and mast cell activation syndrome**
Peter Valent, Austria

**Should patients with mastocytosis carry adrenalin for self-injection?**
David Gonzalez de Olano, Spain

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Symposium (SYM 28)  

**Clinical aspects of ocular allergy**

**Chairs:** Serge Doan, France  
Daniel Perez-Formigà, Spain

**Immunology of the eye**
Virginia Calder, United Kingdom

**Allergic conjunctivitis**
Andrea Leonardi, Italy

**PRO – Nasal steroids control eye symptoms**
Leonard Bielory, United States

**CON – Nasal steroids control eye symptoms**
Jose Manuel Benitez-del-Castillo, Spain

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Symposium (SYM 29)  

**Nutrition and allergy**

**Chairs:** Ulrich Wahn, Germany  
Berber Vlieg-Boerstra, The Netherlands

**Maternal nutrition, cord blood nutritional profile and development of allergy in infants**
Carina Venter, United Kingdom

**Challenging maternal beliefs**
Audrey Dunn Galvin, Ireland

**Nutrition in the development of inflammatory diseases**
Susan Prescott, Australia

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Symposium (SYM 30)  

**Children at the front line – Pediatric and Primary Care Symposium**

**Chairs:** James Gern, United States  
Sejal Saglani, United Kingdom

**Which allergy is typical for what age?**
Philippe Eigenmann, Switzerland

**Recommendations in allergy prevention and early diagnosis in infants**
Arne Høst, Denmark

**PRO – All children with eczema need an allergy test or a specialist referral**
Antonio Nieto, Spain

**CON – All children with eczema need an allergy test or a specialist referral**
Dermot Ryan, United Kingdom
## Sister Society Symposium (SSS 5)  13:45 – 15:15

**World Allergy Forum (WAF) – precision medicine**  Room 113

**Chairs:** Lanny Rosenwasser, United States  
Antonella Muraro, Italy

- **Biobanking**  
  Gurjit Khurana-Hershey, United States

- **Endotypes and Phenotypes**  
  Eugene Bleecker, United States

- **Biodynamics and Genotypes**  
  Deborah Meyers, United States

## Year in Review (YIR 3)  13:45 – 15:15

**Asthma**  Room 112

**Chairs:** Andrew Wardlaw, United Kingdom  
Shuaib Nasser, United Kingdom

- **Severe asthma and exacerbations**  
  Angela Simpson, United Kingdom

- **Overlapping syndromes**  
  Diana Deleanu, Romania

- **Biologicals in asthma**  
  Sevim Bavbek, Turkey

## Junior Member and Affiliates  13:45 – 15:15

**JMA Educational Session**  Hall B

**Chairs:** Olympia Tsiolochristou, Germany  
Sven Seys, Belgium

- **Plagiarism**  
  Hans-Uwe Simon, Switzerland

- **Golden rules for successful translational research**  
  Ronald van Ree, The Netherlands

- **Obtaining public and private funds for research**  
  John Warner, United Kingdom

- **How to make an excellent presentation**  
  Hilary Pinnock, United Kingdom

## Patients Organisations Workshop (POW 2)  13:45 – 15:15

**Patient organisation deliverables**  Rooms 129–130

**Chairs:** Frans Timmermans, The Netherlands  
Ashok Gupta, India

- **Minimising the risk of fatalities – broad access of Epinephrine**  
  Susan Waserman, Canada

- **Promising treatments for increasing the Quality of Life**  
  Wesley Burks, United States

- **Patient perspectives – the reality of Epinephrine access and Quality of Life**  
  Laurie Harada, Canada
Oral Abstract Session (OAS 20) 13:45 – 15:15

Hereditary angioedema

Werner Aberer, Austria

How to manage patients with HAE

Werner Aberer, Austria

115 Long-term outcomes of icatibant in the real-world setting: results from the Icatibant outcome survey

Longhurst H.1, Caballero T.2, Aberer W.3, Zanichelli A.4, Bouillet L.5, Maurer M.5, Fabien V.7, Andresen I.7, for the IOS Study Group

1Barts Health NHS Trust, Department of Immunology, London, United Kingdom, 2Hospital La Paz Institute for Health Research (IdiPAZ), Biomedical Research Network on Rare Diseases (CIBERER, U 754), Madrid, Spain, 3Medical University of Graz, Department of Dermatology and Venerology, Graz, Austria, 4Università di Milano, Ospedale Luig Sacco, Dipartimento di Scienze Biomediche e Cliniche L.Sacco, Milano, Italy, 5National Reference Centre for Angioedema, Internal Medicine, Grenoble University Hospital, Grenoble, France, 6Charité-Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 7Shire, Zug, Switzerland

118 Genetic versus complement studies for the diagnosis of hereditary angioedema in children

Pedrosa M.1, Phillips E.1, López-Lera A.2, López-Trascasa M.2,3, Caballero T.1,3

1Hospital La Paz Institute for Health Research, Allergy, Madrid, Spain, 2Hospital La Paz Institute for Health Research, Immunology, Madrid, Spain, 3Centro de Investigacion Biomédica en Red de Enfermedades Raras (CIBERER-U 754), Madrid, Spain

119 The low opsonisation and immune complex solubilisation ability in sera from HAE patients

Honda D.1, Ohsawa I.1, Sato N.1, Hisada A.1, Inoshita H.1, Mano S.1, Tomino Y.1

1Juntendo University Faculty of Medicine, Division of Nephrology, Tokyo, Japan

120 Response to subcutaneous human C1-Inhibitor for the prevention of angioedema attacks in patients with hereditary angioedema: subgroups based on prior intravenous C1-inhibitor use

Magerl M.1, Bernstein J.A.2, Banerji A.3, Li H.H.4, Lumry WR.5, Maurer M.6, Riedl M.6, Chen H.7, Schranz J.1

1Charité - Universitätsmedizin Berlin, Berlin, Germany, 2University of Cincinnati Medical Center, Cincinnati, United States, 3Massachusetts General Hospital, Boston, United States, 4Institute for Asthma & Allergy, Chevy Chase, United States, 5AARA Research Center, Dallas, United States, 6University of California-San Diego School of Medicine, San Diego, United States, 7Shire, Wayne, United States

Oral Abstract Session (OAS 21)

Allergy epidemiology – the importance of early life

13:45 – 15:15

Rooms 127-128

Chairs: Jon Genueit, Germany

Michael Perkin, United Kingdom

Early life effects on allergy development – key to prevention?

Jon Genueit, Germany

121 Evaluating the efficacy of clinical guidelines for breastfeeding on long-term outcomes for asthma and allergic disease

Bion V.1, Lockett G.A.1, Soto-Ramirez N.2, Zhang H.2, Venter C.2, Holloway J.W.2, Arshad H.2,5

1University of Southampton, Human Development and Health, Faculty of Medicine, Southampton, United Kingdom, 2University of Memphis, School of Public Health, Memphis, United States, 3University of Portsmouth, Faculty of Science, Portsmouth, United Kingdom, 4St Mary’s Hospital, The David Hide Asthma and Allergy Research Centre, Isle of Wight, United Kingdom, 5University of Southampton, Clinical and Experimental Sciences, Faculty of Medicine, Southampton, United Kingdom

122 Immune status of the mother and early exposure through breastfeeding both influence the protection of the progeny from food allergy development to a major cow’s milk allergen

Adel-Patient K.1, Ah-Leung S.1, Bernard H.1, Verhasselt V.2

1INRA, Food Allergy Unit, Gif-sur-Yvette Cedex, France, 2Université de Nice Sophia-Antipolis, Hôpital de l’Archet, EA 6302 ‘Tolérance Immunitaire’, Nice, France
Monday, 8 June 2015

123 Maternal folate and lipid profile during pregnancy and risks of allergic and respiratory diseases in early childhood: the mothers and children’s environmental health study
1Ulsan University Hospital, Pediatrics, Ulsan, Republic of Korea, 2Ewha Womans University, Preventive Medicine, Seoul, Republic of Korea, 3Dankook University College of Medicine, Preventive Medicine, Cheonan, Republic of Korea, 4Ewha Womans University Medical Center, Preventive Medicine, Seoul, Republic of Korea, 5Seoul National University College of Medicine, Preventive Medicine, Seoul, Republic of Korea, 6Ulsan University Hospital, Occupational and Environmental Medicine, Ulsan, Republic of Korea, 7Ulsan University Hospital, Ulsan, Republic of Korea, 8Dong-A University, Pediatrics, Busan, Republic of Korea, 9Ewha Womans University, Nutritional Science and Food Management, Seoul, Republic of Korea

124 Perinatal exposure to galactooligosaccharides/inulin prebiotics prevent food allergy by protecting intestine and promoting tolerance
Bouchaud G.1, Castan L.1, Chabauty J.1, Aubert P.2, Neunlist M.2, Bodinier M.1
1INRA, BIA Unit Allergy Team, Nantes, France, 2INSERM, U913, Nantes, France

125 Changes in atopy prevalence and sibship effect in rural population at all ages
Sozanska B.1, Pearce N.2, Blaszczyk M.3, Boznanski A.1, Cullinan P.4
1Wroclaw Medical University, Wroclaw, Poland, 2London School of Hygiene and Tropical Medicine, London, United Kingdom, 3Faculty of Sociology, University of Wroclaw, Wroclaw, Poland, 4Imperial College (NHLI) and Royal Brompton Hospital, London, United Kingdom

126 Influence of allergic rhinitis (AR) on performance among athletes and their knowledge about allergen immunotherapy (AIT)
de Maireses M.1, Shah-Hosseini K.2, Karagiannis E.3, Mester J.1, Mosges R.2
1German Sport University Cologne, Institute of Training Science and Sport Informatics, Cologne, Germany, 2University Hospital of Cologne, Institute of Medical Statistics, Informatics and Epidemiology, Cologne, Germany, 3Stallergenes GmbH, Kamp-Lintfort, Germany

Oral Abstract Session (OAS 22)

13:45 – 15:15

Rooms 131-132

Immune responses to infectious agents

Chairs: Hermelijn Smits, The Netherlands
Chrysanthis Skevaki, Greece

Infections and allergies: for better or worse?
Hermelijn Smits, The Netherlands

127 Probiotics and prebiotics in asthma prevention and treatment – systematic review
Felenzko W.1, Ruszczzyński M.2
1Medical University of Warsaw, Dept Pediatric Allergy and Pneumology, Warszawa, Poland, 2Medical University of Warsaw, Dept of Pediatrics, Warszawa, Poland

128 Primary nasal epithelial cell responses to HRVA1B infection of subjects with or without atopic rhinitis and asthma
Taka S.1, Megremis S.1, Nikopoulou C.2, Polyzos A.2, Kokkinou D.1, Spyridaki I.1, Skouvi C.1, Trochoutsou A.1, Roumpedaki I.1, Emmanouil P.1, Bakakos P.1, Loukides S.1, Thanos D.1, Papadopoulou N.1,2
1National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Athens, Greece, 2The Biomedical Research Foundation (BRFAA) of the Academy of Athens, Athens, Greece, 31st Respiratory Medicine Department, University of Athens, Medical School, Athens, Greece, 42nd Respiratory Medicine Department, University of Athens, Medical School, Athens, Greece, 5University of Manchester, Institute of Human Development, Manchester, United Kingdom

129 Innate immune signal triggered cofactor dependent anaphylaxis is mediated by TLRs
Wölbung P.1,2,3,4, Köberle M.1,2, Skabytska Y.1,2,3,4, Lang F.1,2,3,4, Yu P.1,2,3,4, Vöhringer D.1,2,3,4, Röcken M.1,2,3,4, Biedermann T.1,2
1Technical University Munich, Department of Dermatology, Munich, Germany, 2University of Tübingen, Department of Dermatology, Tübingen, Germany, 3University of Tübingen, Department of Physiology, Tübingen, Germany, 4University of Marburg, Institute of Immunology, Marburg, Germany, 5University of Erlangen, Department of Infection Biology, Erlangen, Germany

130 Respiratory infection with Moraxella catarrhalis during allergic airway disease exacerbates neutrophilic asthma via Th17 immune response
Alnahas S.1, Steinhoff U.1,2, Hagner S.1,2, Garn H.3
1Institute for Medical Microbiology, Philipps University Marburg, Marburg, Germany, 2Institute for Laboratory Medicine and Pathobiocmchemistry, Molecular Diagnostics, Marburg, Germany, 3University of Wroclaw, Faculty of Medicine and Medical, Wroclaw, Poland

131 Existing allergic inflammation alleviates influenza infection
Lee D.C.P.1, Prabhu N.2, Kemény D.M.1
1National University of Singapore, Immunology Programme, Department of Microbiology, Singapore, Singapore, 2Nanyang Technological University, School of Biological Sciences, Singapore, Singapore
### Poster Discussion Session (PDS 15)  
**Food allergy: management**  
**Poster Discussion Zone 1**  
**13:45 – 15:15**

**Chairs:** Bodo Niggemann, Germany  
Belén de la Hoz Caballar, Spain

#### 395 Can casein specific IgE levels predict oral desensitisation results in children with persistent milk allergy  
*Karakoc G.*,  
Takitana S.*,  
Yilmaz M.*,  
Karakoc D.*,  
Kont A.*  
1Cukurova University Faculty of Medicine, Adana, Turkey  
2Baskent University Faculty of Medicine, Adana, Turkey

#### 396 Oral immunotherapy for egg allergy with heat modified egg derivatives  
*Lazzarotto F.*,  
Bonauro R.*,  
Tionoio A.*,  
Cegano L*,  
Polloni L*.  
1Food Allergy Referral Centre, University Hospital of Padua, Department of Women and Child Health, Padova, Italy

#### 397 Oral immunotherapy in severe peanut allergy in adults  
*Helvövaara E.*,  
Kukkonen K.*,  
Hakulinen A.*,  
Helin T.  
1Helsinki University Central Hospital, Department of Pulmonary Medicine, Heart and Lung Center, Helsinki, Finland  
2Helsinki University Central Hospital, Skin and Allergy Hospital, Helsinki, Finland

#### 398 Efficacy and safety of oral immunotherapy along with omalizumab in children with severe cow’s milk allergy  
*Pajno G.B.*,  
Caminiti L.*,  
Crisafuli G.*,  
Arasi S.*,  
Porcaro F.*  
1University of Messina, Department of Pediatrics - Allergy Unit, Messina, Italy

#### 399 Two year follow-up after rush oral immunotherapy for peanut-induced anaphylaxis  
*Nagakura K.*,  
Sato S.*,  
Yanaqita N.*,  
Nishino M.*,  
Emura S.*  
1Sagamihara National Hospital, Pediatrics, Kanaqawa, Japan  
2Sagamihara National Hospital, Department of Allergy, Clinical Research Center for Allergy and Rheumatology, Kanaqawa, Japan

#### 400 Study of reintroduction of tree nuts and peanuts (START-P)  
*Tibbott R.*,  
Foley L.*,  
King Y.*,  
Islam S.*,  
Deighton J.*,  
Ewan P.*,  
Clark A.T.*  
1Cambridge University Hospital Trust, Paediatric Allergy, Cambridge, United Kingdom  
2Cambridge University Hospital Trust, Allergy, Cambridge, United Kingdom

#### 401 Reintroduction failure after negative food challenge in children  
*Amaral L.*,  
Leão L.*,  
Carolina F.,  
Coimbra A.,  
Plácido J.L.*  
1Serviço de Imunoalergologia, Centro Hospitalar São João, Porto, Portugal

#### 402 Continuing food-avoidance after negative food challenges in adults with suspected food allergy  
*Carolina F.*,  
Amaral L.*,  
Leão L.*,  
Pereira A.M.*,  
Coimbra A.*,  
Plácido J.L.*  
1Centro Hospitalar São João, E.P.E., Porto, Portugal

#### 403 Impact of food allergies on the allergic person’s travel decision, trip organisation and stay  
*Dano D.*,  
Michel M.*,  
Astier C.*,  
Couratier P.*,  
Steenbeek N.*,  
Sarr P.Y.*,  
Bonneyo M.*,  
Boulanger M.*,  
Kanny G.*  
1Université de Lorraine, Vandoeuvre les Nancy, France  
2Gencis SAS, Vandoeuvre les Nancy, France  
3ORSAS Lorraine, Vandoeuvre les Nancy, France  
4AFPRAL, Paris, France  
5OASIS, Belgium, Belgium  
6University Hospital Nancy, Vandoeuvre les Nancy, France

#### 404 Health-related quality of life in children with objectively-diagnosed allergies to staple foods assessed using a disease-specific questionnaire  
*Protudier J.L.*,  
Östblom E.*,  
Jansson S.-A.*,  
Middelveld R.*,  
Dahlen S.-E.*,  
Ahlsedt S.,  
Health Economics of Food Allergy (FoodHE)  
1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden  
2Karolinska Institutet, Centre for Allergy Research, Stockholm, Sweden  
3Södersjukhuset, Sachs’ Children and Youth Hospital, Stockholm, Sweden  
4Södersjukhuset, Department of Clinical Research and Education, Stockholm, Sweden  
5Umeå University, Department of Public Health and Clinical Medicine, Umeå, Sweden

#### 405 Thresholds reactivity and clinical evaluation (TRACE) study: investigation of the effect of extrinsic factors on peanut allergic reactions  
*Dua S.*,  
Ruiz-Garcia M.*,  
Bond S.*,  
Byole R.*,  
Durham S.*,  
Ewan P.*,  
Felgate L.*,  
Foley L.*,  
Hardy S.*,  
Islam S.*,  
King Y.*,  
Mills C.*,  
Pasea L.*,  
Skypala I.*,  
Turner P.*,  
Wilson E.*,  
Clark A.*  
1Cambridge University, Department of Allergy, Cambridge, United Kingdom  
2Imperial College London, London, United Kingdom  
3Cambridge University, Cambridge, United Kingdom  
4Cambridge University Hospital Trust, Cambridge, United Kingdom  
5Food Standards Agency, London, United Kingdom  
6University of Manchester, Manchester, United Kingdom  
7Imperial College (NHLI) and Royal Brompton Hospital, London, United Kingdom

#### 406 Specific peanut allergen levels in foods show marked variability and depend on the food  
*Filep S.*,  
Block D.*,  
King E.*,  
Chapman M.D.*  
1INDOOR Biotechnologies, Inc., Charlottesville, United States
**Poster Discussion Session (PDS 16)**

**Novel immune mechanisms**

**Chair:** Francesco Annunziato, Italy

**Poster Discussion Zone 2**

**13:45 – 15:15**

**1. The BASALIT multicentre trial: ELISA quantification for Gly m 4 threshold data and consistency control of challenge meal batches**

**411**

Holzhauser T.1, Treudler R.2, Franke A.3, Schmiedeknecht A.3, Randow S.1, Becker W-M.4, Lidholm J.3, Vieths S.1, Simon J.C.2, for the BASALIT Study Group

1Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany, 2Universität Leipzig, Klinik für Dermatologie, Venerologie und Allergologie, Leipzig, Germany, 3Universität Leipzig, Zentrum für Klinische Studien, Leipzig, Germany, 4Research Center Borstel, Division of Clinical & Molecular Allergology, Borstel, Germany, 5ThermoFisher Scientific, Uppsala, Sweden

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**2. Effects of ONO-4053, a DP1 (prostaglandin D2 receptor) antagonist, on antigen-induced nasal allergic reactions**

**407**

Okada Y.1, Yamauchi S.1, Matsunaga Y.1, Nambu F.1

1Ono Pharmaceutical Co., Ltd, Osaka, Japan

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**3. Increase in CC10 production from human nasal epithelial cells by histamine H1 receptor antagonists, levocetirizine**

**413**

Tokita E.1, Asano K.2, Furuta A.1, Kobayashi H.1

1Showa University School of Medicine, Otorhinolaryngology, Tokyo, Japan, 2Showa University School of Nursing and Rehabilitation Sciences, Physiology, Yokohama, Japan

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**4. Phlp 5-specific antibody responses and their impact on antigen uptake and cell polarisation in CD1c+ dendritic cells from non-allergic humans living in different environments**

**414**

Isakevic A1, Fichtinger G.1, Hillebrand C.1, Thalhammer J.1, Danzer M.2, Gabriel C.2, Weiss R.1

1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Red Cross Blood Transfusion Service, Linz, Austria

---

**5. Increase in CC10 production from human nasal epithelial cells by histamine H1 receptor antagonists, levocetirizine**

**415**

Okada Y.1, Asano K.2, Furuta A.1, Kobayashi H.1

1Showa University School of Medicine, Otorhinolaryngology, Tokyo, Japan, 2Showa University School of Nursing and Rehabilitation Sciences, Physiology, Yokohama, Japan

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**6. Up-regulation of peristin production in tears of allergic ocular disease patients**

**408**

Okada N.1, Fujishima H.2, Fukagawa K.3, Izuhara K.4, Ohta S.5, Ono J.1, Matsuda A.1, Saito H.1, Matsumoto K.1

1National Research Institute for Child Health & Development, Department of Allergy and Immunology, Tokyo, Japan, 2Tsurumi University School of Dental Medicine, Department of Ophthalmology, Yokohama, Japan, 3Ryogoku Eye Clinic, Tokyo, Japan, 4Saga Medical School, Division of Medical Biochemistry, Department of Biomolecular Sciences, Saga, Japan, 5Saga Medical School, Department of Laboratory Medicine, Saga, Japan, 6Shino-Test Corporation, Sagamihara, Japan

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**7. Modulation of the IgE response and cytokine production in BALB/c mice by synthetic peptides mimicking B and T-cell epitopes from the major birch pollen allergen Bet v 1**

**409**

Purgina D.1, Andreev S.1, Bashkatova E.1, Babakhin A.1, Khaitov M.1

1NRC Institute of Immunology FMBA, Moscow, Russian Federation

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**8. Dynamic changes of B-cell subpopulations after renal allograft transplantation**

**411**

Svachova V1, Sekerkova A.2, Ccedrlova E.1, Brabcova I.2, Hruba P.2, Strz I.2, Vlckicky O.2

1Institute for Clinical and Experimental Medicine, Department of Clinical and Transplant Immunology, Prague, Czech Republic, 2Institute for Clinical and Experimental Medicine, Transplant Laboratory, Prague, Czech Republic

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**9. The role of IL-33/ST2 axis in enhancing inflammation, tissue damage and structural changes in acute inflammation**

**412**

Stankovic M.1, Pantic I.2, Puskas N.3, Zaletel I.3, De Luka S.R.1, Milutinovic-Smiljanic S.1, Trbovich A.M.1

1University of Belgrade, Faculty of Medicine, Department of Pathophysiology, Belgrade, Serbia, 2University of Belgrade, Faculty of Medicine, Institute of Medical Physiology, Belgrade, Serbia, 3University of Belgrade, Faculty of Medicine, Institute of Histology, Belgrade, Serbia, 4University of Belgrade, Faculty of Dentistry, General and Oral Histology and Embryology, Belgrade, Serbia
418 Sensitivity of basophil to recombinant birch pollen allergen (Bet v 1a) during and out of pollen season in allergic patients
Plechota-Polanczyk A.¹, Lupinek C.², Brzezinska-Pawlska O.¹, Kurowski M.¹, Jabłońska A.¹, Stolz F.³, Kopp S.³, Neubauer A.³, Kiss R.², Valenta R.², Kowalski M.L.¹
¹Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Healthy Aging Research Centre, Lodz, Poland.
²Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria.
³Biomay AG, Vienna, Austria

421 How body mass index may influence the diagnosis of atopic dermatitis phenotypes at risk of early-onset atopic dermatitis

422 Alteration of Treg and Th17 cytokine levels in patient with recurrent spontaneous abortion, before and after lymphocyte immunotherapy
Roomandeh N.¹,², Salehian P.², Naderi M.², Yonesi B.², Zare A.², Arasteh J.², Mirmohammadkhani M.², Kokhaei P.¹, Pak F.²
¹Department of Immunology, Faculty of Medicine, Semnan University of Medical Sciences, Semnan, Islamic Republic of Iran. ²Sarem Cell Research Center, Sarem Women’s Hospital, Tehran, Islamic Republic of Iran.

425 Adaptation and validation of the pediatric asthma quality of life questionnaire in Macedonian children with asthma
Cvejcoska-Cholakovska V.¹, Vlaski E.¹, Velik Stefanovska V.²
¹University Children Hospital, Pulmonology and Allergology, Skopje, Republic of Macedonia. ²Institute of Epidemiology and Biostatistics, Skopje, Republic of Macedonia.

426 Low levels of vitamin D found to associate with increased airway responsiveness in young children with blood eosinophilia
Mäläri A.¹, Kotaniemi-Syrjänen A.¹, Malmström K.¹, Malmberg L.P.¹, Sundvall J.², Pelkonen A.S.¹, Mäläla M.J.¹
¹University of Helsinki, Helsinki University Hospital, Skin and Allergy Hospital, Allergology, Helsinki, Finland

427 Exhaled nitric oxide and bronchial hyperresponsiveness between asthmatic children with and without allergic rhinitis sensitised to the same house dust mite
Yoon J.¹, Park A.L.², Park J.S.¹, Lee E.¹, Yang S.I.¹, Hong S.J.¹, Yoo J.¹
**Poster Discussion Session (PDS 18)**

**Clinical management of rhinitis**

**Chairs:**
- Cemal Cinigi, Turkey
- Felicia Manole, Romania

**Clinical management of rhinitis**

**430**

**The impact of moderate to high dose inhaled corticosteroids on hypothalamic-pituitary-adrenal-axis suppression**

Cavkaytar O.,1 Vuralli D.,2 Arik Yilmaz E.,1 Buyuktiryaki B.,1 Soyer O.,1 Sahiner U.M.,1 Kandemir N.,2 Sekerel B.E.1

1Hacettepe University Medical Faculty, Department of Pediatric Allergy, Ankara, Turkey, 2Hacettepe University Medical Faculty, Department of Pediatric Endocrinology, Ankara, Turkey

**428**

**Bronchodilator response in asthmatic children and adolescents with normal FEV1 values**

Cruz C.,1 Didenko L.,1 Tomaz E.,1 Ferreira F.,1 Reis R.,1 Ferrão A.,1 Campos L.,1 D’Elia C.,2 Inácio F.1

1Hospital de São Bernardo, Serviço de Imunoaergologia, Setúbal, Portugal, 2Hospital de São Bernardo, Serviço de Pediatria, Setúbal, Portugal

**429**

**Assessing corticosteroid side-effects by measuring the long term cortisol levels in scalp hair of asthmatic children**

The Netherlands, 2014

Smit M.P.1, van Leer E.H.G.1, Noppe G.2, de Rijke Y.2, Hoeek J.C.M.1, van den Akker E.L.T.4

1University of Maastricht, Department of Respiratory Diseases and Clinical Immunology, 2University of Maastricht, University Hospital, Department of Respiratory Diseases and Immunology, 3Rotterdam, The Netherlands, 4University of Maastricht, Department of Clinical Chemistry, Rotterdam, The Netherlands

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Monday, 8 June 2015

MONDAY

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www.eaaci2015.com
441 Prediction and prevention of allergic rhinitis: a birth cohort study of 20 years
Grabenhenrich L.B.1, Reich A.1, Bauer C.-P.2, Forster J.3, Schuster A.4, Zepp F.5, Lau S.6, Wahn U.6, Keil T.1,2
1Charité - Universitätsmedizin Berlin, Institute for Epidemiology, Berlin, Germany, 2Technical University of Munich, Department of Pediatrics, Munich, Germany, 3St Josef's Hospital, Department of Pediatrics, Freiburg, Germany, 4Heinrich-Heine-University, Department of Pediatrics, Dusseldorf, Germany, 5University Medical Center Mainz, Center for Pediatric and Adolescent Medicine, Mainz, Germany, 6Charité – Universitätsmedizin Berlin, Department of Pediatric Pneumology and Immunology, Berlin, Germany

442 Introducing the Ghent score, a new nasal polyp scoring system
Pauwels B.1, Jonstam K.2, Derycke L.1, Bachert C.1
1University Hospital Gent, Gent, Belgium, 2Karolinska University Hospital, Stockholm, Sweden

443 Sensitisation to Anisakis simplex and nasal polyposis
D’Amelio C.M.1, Corral M.2, Goikoetxea M.J.1, Ferrer M.1, Vega O.1, Bernad A.1, Gastaminza G.1
1Clinica Universidad de Navarra, Allergy and Clinical Immunology, Pamplona, Spain, 2Universidad de Navarra, Pamplona, Spain

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**Symposium (SYM 31)**

**Non IgE mediated food allergy**

**Auditorium**

Chairs: Hugh Sampson, United States
Philippe Eigenmann, Switzerland

- **Eosinophilic esophagitis in adults and children: different entities?**
  Alex Straumann, Switzerland

- **Food protein induced entero-colitis syndrome: geographical differences in prevalence**
  Anna Nowak-Wegrzyn, United States

- **Infantile colitis – does it exist?**
  Giovanni Pajno, Italy

**Symposium (SYM 32)**

**The allergic march – does it exist?**

**Room 211**

Chairs: Susan Prescott, Australia
Wayne Shreffler, United States

- **Sensitisation phenotypes and future risk**
  Adnan Custovic, United Kingdom

- **Remission and relapse of allergic disease in adulthood**
  Susanne Lau, Germany

- **Evolution of allergic disease in the elderly**
  Peter Burney, United Kingdom

**Symposium (SYM 33)**

**New insights into old nasal symptoms**

**Room 212**

Chairs: Ralph Mösges, Germany
Giuseppina Rotiroti, Italy

- **Mechanisms of nasal hyperreactivity**
  Christine Segboer, The Netherlands

- **Smell dysfunction in rhinitis and rhinosinusitis**
  Basil Landis, Switzerland

- **TRP channels in nasal obstruction**
  Karel Talavera Pérez, Belgium
Symposium (SYM 34)  15:45 – 17:15  
Comparative genetics of allergic diseases  
Hall A

Chairs:  
Erika Jensen-Jarolim, Austria  
Ralf Müller, Germany

Genomics revolution in atopic dermatitis  
Tim Nuttall, United Kingdom

Asthma and resistance to parasites in horses  
Vinzenz Gerber, Switzerland

Hypoallergenic animals – myth or reality?  
Hans Grönlund, Sweden

Symposium (SYM 35)  15:45 – 17:15  
Unbiased identification of biomarkers by new technology  
Hall B

Chairs:  
Christian Scharf, Germany  
William Kwok, United States

Introduction to U-BIOPRED. The idea of handprint discovery  
Ratko Djukanovic, United Kingdom

Application of OMICS technologies to biomarker discovery in inflammatory lung disease  
Craig Wheelock, Sweden

Integrative systems biology approach to understanding pulmonary diseases  
Kian Fan Chung, United Kingdom

Symposium (SYM 36)  15:45 – 17:15  
Future of AIT in Europe  
Room 112

Chairs:  
Jörg Kleine-Tebbe, Germany  
Lars Jacobsen, Denmark

Regulatory aspects: allergens, allergen extracts and regulation  
Sergio Bonini, Italy

Pharmacoeconomics of AIT  
Roy Gerth van Wijk, The Netherlands

PRO – Pollen chamber challenges are useful in clinical trials  
Oliver Pfaar, Germany

CON – Pollen chamber challenges are useful in clinical trials  
G. Walter Canonica, Italy

Symposium (SYM 37)  15:45 – 17:15  
New tissue cytokines: TSLP IL-22 and IL-33  
Room 116

Chairs:  
Francesca Levi-Schaffer, Israel  
Clare Lloyd, United Kingdom

Thymic stromal lymphopoietin: a central regulator of allergic asthma  
Gail Gauvreau, Canada

Th22 cells in control of tissue inflammation  
Stefanie Eyerich, Germany

IL-33-driven type-2 innate lymphoid cells in atopic diseases  
Graham Ogg, United Kingdom
Symposium (SYM 38)  15:45 – 17:15
Pediatric asthma: viral wheeze and asthma development  Room 117
Chairs:  Peter Openshaw, United Kingdom
         Spyridon Megremis, Greece
RSV vaccine: could asthma in young children be a preventable disease?
Tuomas Jartti, Finland
Rhinoviruses in asthma onset new developments
James Gern, United States
Mechanisms of RSV induced bronchiolitis and asthma development
Jürgen Schwarze, United Kingdom

Sister Society Symposium (SSS 6)  15:45 – 17:15
Ga2len Symposium: Novel tools to access the burden of allergic disease in clinical trials and for society  Room 114
Chairs:  Nikos Papadopoulos, Greece
         Carsten Bindslev-Jensen, Denmark
MeDALL – insights from European birth cohorts
Josep M. Antó, Spain
MeDALL – what epigenetics can teach us in better understanding the prevalence of increase in allergies
Gerard Koppelman, The Netherlands
PreDicta – airway allergies: novel chips for allergens and virus components
Rudolf Valenta, Austria
Novel tools to access the burden of allergic disease in clinical trials and for society
Torsten Zuberbier, Germany

Year in Review (YIR 4)  15:45 – 17:15
Pediatrics  Room 115
Chairs:  Mike Thomas, United Kingdom
         Michael Levin, South Africa
Vaccine safety
Paul Turner, United Kingdom
Nutrition and child health
Challenging microbiome in early life
Harald Renz, Germany

Patients Organisations Workshop (POW 3)  15:45 – 17:15
Patients organisations deliverables  Rooms 129–130
Chairs:  Antonella Muraro, Italy
         Frans Timmermans, The Netherlands
Asthma as a confounding factor for the severity in food allergic reactions
Moisés Calderón, United Kingdom
Enhancing patient safety in allergic therapies
Jim Baker, United States
Ask the expert
Monday, 8 June 2015

### Oral Abstract Session (OAS 23)

**What’s new in aerobiology and smoking in allergic diseases**

**Chairs:** Jeroen Buters, Germany  
Revaz Sepiashvili, Georgia

**Personal exposure to grass pollen**

133 Identification of new IgE-binding proteins from the mosquito *Aedes aegypti*  
Cantillo J.1,2,3, Puerta L.1, Puchalska P.2, Lafosse-Marin S.4, Fernández-Caldas E.2  
1Complutense University from Madrid, Madrid, Spain,  
2Immunotek S.L, Alcalá de Henares, Spain,  
3Institute for Immunological Research/University of Cartagena, Cartagena, Colombia.  
4Cabinet de Immuonallergology, Fort de France, Martinique

134 Molecular and immunological characterisation of a fungal aspartic protease allergen ‘Rhi o 1’: the first reported aero-allergen from indoor mold *Rhizopus oryzae*  
Sircar G.1, Saha S.2, Pandey N.3, Gupta Bhattacharya S.1  
1Bose Institute, Division of Plant Biology, Kolkata, India,  
2Bose Institute, Bioinformatics Center, Kolkata, India,  
3Belle Vue Clinic, Kolkata, India

135 Airborne pollen and allergens of Urticaceae family  
De Linares C.1,2, Diaz de la Guardia C.2  
1Universitat Autònoma de Barcelona, Bellaterra (Cerdanyola del Vallès), Spain,  
2Universidad de Granada, Granada, Spain

**Technical validation of a mobile chamber for allergen exposure tests**

Sehlinger T.1, Bergmann K.C.2, Goergen F.1, Zuberbier T.2  
1Bluestone Technology GmbH, Woerstadt, Germany,  
2Allergie-Centrum-Charité, Charité-Universitätsmedizin Berlin, Berlin, Germany

**Parental smoking and development of allergic sensitisation from birth to adolescence**

Thacher J.D.1, Gruzieva O.1, Pershagen G.1,2, Neuman A.1,3, van Hage M.4, Wickman M.1,5, Kull I.1,5,6, Melén E.1,5, Bergström A.1  
1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden,  
2Stockholm County Council, Centre for Occupational and Environmental Medicine, Stockholm, Sweden,  
3Uppsala University Hospital, Department of Women’s and Children’s Health, Uppsala, Sweden,  
4Karolinska Institutet and University Hospital, Clinical Immunology and Allergy Unit, Solna, Sweden,  
5Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden,  
6Södersjukhuset, Clinical Science and Education, Stockholm, Sweden

**Regression models for predicting total pollen concentration in Central Lagos State, Nigeria**

Adeniyi T.1, Adeonipekun PA.1, Akande I.S.2, Olowokudejo J.D.1  
1University of Lagos, Department of Botany, Lagos, Nigeria,  
2University of Lagos, Department of Biochemistry, Lagos, Nigeria

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### Oral Abstract Session (OAS 24)

**Diagnosis and new therapeutic options in rhinitis and rhinosinusitis**

**Chairs:** Paloma Campo, Spain  
Andrea Leonardi, Italy

**New diagnostic and therapeutic challenges in rhinitis and rhinosinusitis**

**Burden of rhinitis among European Academy of Allergy & Clinical Immunology (EAACI) members**

Bousquet J.1, Bachert C.2, Price D.2, Acaster S.4, Papadopoulos N.3, Muraro A.6  
1University Hospital of Montpellier, MACVIA-LR, EIP on Active & Healthy Ageing Reference Site, Montpellier, France,  
2Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium,  
3University of Aberdeen, Academic Primary Care, Aberdeen, United Kingdom,  
4Acaster Consulting Ltd, London, United Kingdom,  
5University of Athens, Department of Allied Health, Athens, Greece,  
6Padua General University Hospital, Dept of Mother & Child Health, Padua, Italy

**Correlation between serum and salivary house dust mite specific immunoglobulins in allergic rhinitis (AR) patients and non-allergic rhinitis matched controls**

Subha S.1, Heng She L.2, Sinniah, D.3, Kamaru Ambu V.4  
1University Putra Malaysia, Surgery/ENT, Kajang, Malaysia,  
2International Medical University, Seremban, Malaysia,  
3International Medical University, Pediatrics, Seremban, Malaysia,  
4Hospital Tuanku Ja’afar Seremban, Ministry of Health Malaysia, Seremban, Malaysia

**Clinical effect of subcutaneous allergen immunotherapy with Dermatophagoides pteronyssinus in patients with local allergic rhinitis**

Rondon C.1, Campo P.1, Mayorga C.2, Salas M.1, Gomez F.1, Aranda A.2, Sanchez M.I.1, Blanca M.1, Torres M.J.1  
1Regional University Hospital of Malaga, IBIMA, UMA, Allergy Unit, Malaga, Spain,  
2Regional University Hospital of Malaga, IBIMA, UMA, Research Laboratory, Malaga, Spain

**Nasal provocation test is useful for the diagnoses of allergic, non-allergic, and local allergic rhinitis**

Kim Y.H.1, Jang T.Y.1

**Nasal provocation test is useful for the diagnoses of allergic, non-allergic, and local allergic rhinitis**

Kim Y.H.1, Jang T.Y.1
### Poster Discussion Session (PDS 19)

**Mechanisms of AIT**

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<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>444</td>
<td>The number of FcεRI receptors on basophils decreases during subcutaneous immunotherapy</td>
<td>Schmid J.M., Dahl R., Hofmann H.J. 1</td>
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<td>1 Aarhus University Hospital, Department of Respiratory Medicine and Allergy, Aarhus C, Denmark, 2 Odense University Hospital, Allergy Centre, Odense, Denmark</td>
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<tr>
<td>445</td>
<td>Allergen immunotherapy decreases LPS-induced NF-κB activation in neutrophils from allergic patients</td>
<td>López C., Bellido V., Ventura I., Vega A., Chamorro C., Aroca R., Pineda R., Palacios R., Monteseirín J. 1,3</td>
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<td>1 Hospital Universitario Virgen Macarena, UGC-IC Alergología, Sevilla, Spain, 2 Laboratorios Diater, Madrid, Spain, 3 Facultad de Medicina, Universidad de Sevilla, Departamento de Medicina, Sevilla, Spain</td>
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<td>446</td>
<td>Immunotherapy reduces allergen-mediated CD66b expression and myeloperoxidase levels on human neutrophils from allergic patients</td>
<td>Bellido Linares V., López C., Aroca R., Chamorro C., Vega A., Ventura I., Monteseirín J. 1,3</td>
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<td>1 Hospital Universitario Virgen Macarena, UGC Intercentros de Alergología, Sevilla, Spain</td>
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<td>447</td>
<td>Substance P in nasal lavage fluid of mugwort pollen allergic rhinitis patients after three years course of specific immunotherapy</td>
<td>Gawlik R., Jawor B., Barbara R. 1</td>
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<td>1 Medical University of Silesia, Katowice, Poland</td>
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<td>448</td>
<td>Variability of serum tryptase in venom immunotherapy</td>
<td>Tziotou M., Syriou E., Zande M., Sinaniotis A. 2</td>
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<td>1 National &amp; Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy Unit, Athens, Greece, 2 Sotiria General Hospital, Department of Allergy, Athens, Greece</td>
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<td>449</td>
<td>Expression of microRNA in initial phase of venom immunotherapy</td>
<td>Specjalski K., Jassem E. 1</td>
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<td>1 Medical University of Gdansk, Department of Allergology, Gdansk, Poland</td>
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**Poster Discussion Zone 1**

**15:45 – 17:15**

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<tr>
<td></td>
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<td>1 Utrecht University, Institute for Risk Assessment Sciences, Utrecht, The Netherlands, 2 Utrecht University, Institute for Pharmaceutical Sciences, Utrecht, The Netherlands</td>
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<td>1 Utrecht University, Utrecht Institute for Pharmaceutical Sciences, Pharmacology, Utrecht, The Netherlands, 2 Nutricia Research, Immunology, Utrecht, The Netherlands, 3 Utrecht University, Institute for Risk Assessment Sciences, Immunotoxicology, Utrecht, The Netherlands</td>
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<tr>
<td>452</td>
<td>Larger homing receptor expression on Tregs suggests increased efficacy of epicutaneous compared to oral or sublingual immunotherapy for the treatment of food allergy</td>
<td>Dioszeghy V., Mondoulet L., Pelletier B., Puteaux E., Ligouis M., Dhelft V., Plaquet C., Dupont C., Benhamou P-H. 1</td>
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<td>1 DBV-Technologies, Bagneux, France, 2 Université Paris Descartes – Hôpital Necker, Paris, France</td>
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<td>453</td>
<td>Mechanistic characteristics of peanut allergic children undergoing oral food challenge and oral immunotherapy</td>
<td>Bazjik V., Farrington M., Marchesini G., Suttner J., Kwok W.W., Wambre E. 1</td>
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<td>1 Benaroya Research Institute, Seattle, United States, 2 Virginia Mason Medical Center, Seattle, United States, 3 Allergen Research Corporation, San Mateo, United States</td>
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1 Inha University College of Medicine, Department of Otorhinolaryngology, Incheon, Republic of Korea
2 Hospital Central de la Defensa, IMIDEF, Allergy, Madrid, Spain, 3 Hospital Central de la Defensa, IMIDEF, Clinic Pharmacology, Madrid, Spain, 4 Hospital Central de la Defensa, IMIDEF, Ophthalmology, Madrid, Spain, 5 Complutense University of Madrid, Modern Languages and theirs Literatures, Madrid, Spain

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**Conjunctivitis medicamentosa: a case series of 76 patients**


1 Hospital Central de la Defensa, IMIDEF, Allergy, Madrid, Spain, 2 Hospital Central de la Defensa, IMIDEF, Clinic Pharmacology, Madrid, Spain, 3 Hospital Central de la Defensa, IMIDEF, Ophthalmology, Madrid, Spain, 4 Complutense University of Madrid, Modern Languages and theirs Literatures, Madrid, Spain
**Diagnosis and treatment of anaphylaxis and hymenoptera venom allergy**

**Poster Discussion Zone 2**

**Monday, 8 June 2015**

**15:45 – 17:15**

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**454** Epicutaneous immunotherapy leads to sustainable GATA-3 hypermethylation and Foxp3 hypomethylation in peanut sensitised mice

Mondoulet L.1, Tost J.2, Putaux E.1, Ligouis M.1, Dhelft V.1, Plaquet C.1, Dupont C.3, Benhamou P-H.1

1DBV Technologies, Bagneux, France, 2CNG-CEA, Evry, France, 3Université Paris Descartes – Hôpital Necker, Paris, France

**455** Viroosomes show faster uptake dynamics and a stronger activating potential than liposomes in an in vitro model of pulmonary dendritic cells

Blom R.A.M.1, Amacker M.2, Moser C.2, Blank F.1, von Garnier C.1

1Berne University Hospital, Respiratory Medicine, Berne, Switzerland, 2Mymetics SA, Epalinges, Switzerland, 3Swiss Federal Institute of Intellectual Property, Berne, Switzerland

**456** Protein and MPL adsorption capacities for MCT in candidate therapeutic formulations for use in immunotherapy, compared against existing adjuvants

Bell A.J.1, Thomas N.G.2, Heath M.D.1, Hewings S.J.1, Skinner M.A.1

1Allergy Therapeutics Plc, Worthing, United Kingdom

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**Poster Discussion Session (PDS 20)**

**Diagnosis and treatment of anaphylaxis and hymenoptera venom allergy**

**Poster Discussion Zone 2**

**15:45 – 17:15**

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**459** Allergy to bee venom in Turkish beekeepers

Buysuktarvayki A.B.1, Vezir E.1, Kirişi U.2, Topal Y.2, CETINKAYA E.2, Kaya A.1, Guvenir H.1, Ginis T.1, Capanoglu M.1, Civelek E.1, Kocabas C.N.3

1Ankara Children’s Hematology Oncology Training and Research Hospital, Division of Pediatric Allergy and Immunology, Ankara, Turkey, 2SITKI KOCMAN University, Training and Research Hospital, Muğla, Turkey, 3SITKI KOÇMAN University, School of Medicine, Department of Pediatrics, Muğla, Turkey

**460** Quality-of-life in insect venom allergy: validation of the Turkish version of the ‘Vespid Allergy Quality of Life Questionnaire’ (VQLO-T)

Sin B.A.1, Aydin Ö.1, Gelinçik A.2, Gürlek F.3, Baysan A.4, Sin A.2, Öztuna D.1, Mısırlıgil Z.1, Oude-Eberink J.N.G.1

1Ankara University, School of Medicine, Chest Diseases, Division of Immunology & Allergy, Ankara, Turkey, 2Istanbul University, Istanbul Faculty of Medicine, Internal Medicine, Division of Immunology & Allergy, Istanbul, Turkey, 3Ege University, School of Medicine, Internal Medicine, Division of Immunology & Allergy, Izmir, Turkey, 4GÜLHANE Military Hospital, School of Medicine, Internal Medicine, Division of Immunology & Allergy, Ankara, Turkey, 5Ankara University, School of Medicine, Department of Biostatistics, Ankara, Turkey, 6University Hospital of Groningen, Department of Allergology, Groningen, The Netherlands

**461** Characterisation of wasp venom collected via electrostimulation or venom sac extraction

Sinnige N.1, Ouaak S.1, van Deursen D.1, Jolanda M.1, van den Hout R.2, Luykx D.1

1HAL Allergy, Leiden, The Netherlands

**462** CD63 and CD203c expression during venom immunotherapy with wasp venom using the basophil activation test (BAT): 2-years and first 3-years follow-up results


1Universitätsklinikum C.G.Carus, TU Dresden, Institut für Klinische Chemie und Laboratoriumsmedizin, Dresden, Germany, 2Universitätsklinikum C.G.Carus, TU Dresden, Klinik und Poliklinik für Dermatologie, Dresden, Germany, 3Universitätsklinikum C.G.Carus, TU Dresden, Klinik und Poliklinik für Klinische Chemie und Laboratoriumsmedizin, Dresden, Germany, 4Universitätsklinikum C.G.Carus, TU Dresden, Klinik und Poliklinik für Kinderheilkunde und Jugendmedizin, Dresden, Germany, 5Fachkrankenhaus Coswig GmbH, Zentrum für Pneumologie, Coswig, Germany

**463** Usefulness of ImmunoCAP inhibition of total extract and molecular components in the diagnosis of double sensitisation to wasp venom

Delavalie B.1, Labrador-Horrillo M.2, Guiarte M.1, Luenço O.1, Sala-Cunill A.1, Cardona V.1

1Hospital Vall d’Hebron, Allergy Section. Internal Medicine Department, Barcelona, Spain

**464** Multi-sensitisation to hymenoptera venoms in a group of Brazilian patients

De Amicis K.M.1,2,3,4, Watanabe A.S.2,4, Galvao C.E.2,4, Figo D.D.1,2, dos Santos-Pinto J.R.A.2,5, Palma M.S.2,5, Castro F.F.1,2,4, Kalil J.2,4,6, Ferreira-Briza F.7, Gadermaier G.1, Santos K.S.1,2

1University of Sao Paulo, Allergy and Immunopathology, LIM 60, Sao Paulo, Brazil, 2Institute for Investigation in Immunology (iii), INCT, Sao Paulo, Brazil, 3University of Salzburg, Molecular Biology, Division of Allergy and Immunology, Salzburg, Austria, 4University of Sao Paulo, Clinics Hospital of School of Medicine, Sao Paulo, Brazil,
465 Immunological differences between subpopulations of Vespa crabro allergic patients
Erzen R.1, Silár M.1, Bajovic N.1, Zidarn M.2, Lalek M.1, Kosnik M.1, Rijavec M.1, Korosec P.1
1University Clinic for Pulmonary and Allergic Diseases Golinik, Ljubljana, Slovenia

466 Does the severity of systemic reaction depend on insect sting localisation? The comparison of children to adults
Cichocka-Jarosz E.1, Stobiecki M.1, Brzyski P.1, Jedynak-Wąsowicz U.1, Czarnobilska E.1, Lis G.1
1Jagiellonian University Medical College, Chair of Pediatrics, Kraków, Poland, 2Jagiellonian University Medical College, Chair of Toxicology and Environmental Disease, Kraków, Poland

467 History of large local reaction to hymenoptera stings: outcome of re-stings (preliminary data)
Severino M.1, Bilò M.B.2, Bignardi D.2, Cortellini G.2, Nittner-Marszalśka M.2, Mauro M.2, Reccardi F.2, Rudenko M.2, Patella V.1, Pravettoni V.1, Ridolo E.1, EAACI Interest Group Insect Venom Hypersensitivity
1S. Giovanni di Dio Hospital, Allergy Unit, Firenze, Italy, 2Allergy Unit, Ancona, Italy, 3Allergy Unit, Genova, Italy, 4Allergy Unit, Rimini, Italy, 5Medical University of Wroclaw, Wroclaw, Poland, 6Allergy Unit, Como, Italy, 7Allergy Unit, Udine, Italy, 8Allergy and Immunology Centre, London, United Kingdom, 9Allergy Unit, Salerno, Italy, 10Allergy Unit, Milano, Italy, 11Allergy Unit, Parma, Italy

468 Bee and wasp induced anaphylaxis in Southern Denmark in the period 2008-2011
Ruiz Oropeza A.1, Mikkelsen S.2, Bindslev-Jensen C.1, Mørtz C.G.1
1Odense University Hospital, Odense Research Center for Anaphylaxis (ORCA), Department of Dermatology and Allergy Centre, Odense, Denmark, 2Odense University Hospital, Mobil Emergency Care Unit, Department of Anaesthesiology and Intensive Care, Odense, Denmark

469 The causative and risk factors of hypersensitivity reactions including anaphylaxis in patients with mastocytosis
Górska A.1, Niedoszytko M.1, Chelmińska M.1, Lange M.2, Gruchala-Niedoszytko M.1, Sliomifski M.1, Jassem E.1
1Medical University of Gdansk, Department of Allergology, Gdansk, Poland, 2Medical University of Gdansk, Department of Dermatology, Venereology and Allergology, Gdansk, Poland

470 Anaphylaxis in a Belgian emergency department: discrepancy in guideline adherence between acute management and medication at discharge
Mostmans Y.1, Blykers M.1, Mols P.2, Gutermuth J.1, Grosber M.1, Naeije N.2
1K.U. Leuven, Department of Emergency Medicine, University of Leuven, Belgium, 2C.H.U. Saint-Pierre, Service des Urgences et du SMUR, Brussel, Belgium

471 Awareness of physicians and healthcare providers concerning anaphylaxis and epinephrine auto-injector usage
Ozmen S.1, Aykan E.2, Corut N.1, Bostanci I.1
1Dr. Sami Ulus Training and Research Hospital of Women’s and Children’s Health and Diseases, Pediatric Allergy and Immunology, Ankara, Turkey, 2Dr. Sami Ulus Training and Research Hospital of Women’s and Children’s Health and Diseases, Pediatric Allergology, Ankara, Turkey

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Poster Discussion Session (PDS 21)

15:45 – 17:15

**Pediatric allergy**

**Chairs:** Bodo Niggemann, Germany
Teresa Garriga, Spain

**472** Breast milk fatty acids in relation to sensitisation up to 24 months of age – the ALADDIN birth cohort
Rosenlund H.1, Mie A.1, Fagerstedt S.1, Alm J.1,2
1Karolinska Institutet, Dept of Clinical Science and Education, Stockholm, Sweden, 2Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden

**473** Dietary pattern in infancy and the outcomes of food sensitisation and atopic dermatitis: COCOA birth cohort study
1Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Pediatrics, Anyang, Republic of Korea, 2Korea Health Industry Development Institute Nutrition Policy & Promotion Team, Oson, Republic of Korea, 3Asan Institute for Life Sciences, University of Ulsan College of Medicine, Seoul, Republic of Korea, 4Samsung Medical Center, Sungkyunkwan University School of Medicine, Pediatrics, Seoul, Republic of Korea, 5Seoul National University College of Medicine, Pediatrics, Seoul, Republic of Korea, 6CHA Gangnam Medical Center, CHA University School of Medicine, Pediatrics, Seoul, Republic of Korea, 7Childhood Asthma Atopy Center, Research Center for Standardization of Allergic Diseases, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea

**474** Predictors formation of allergic diseases in infants with gestational age less than 34 weeks
Kyslova L.1, Yablon O.1, Mazulov O.1
1Vinnytsia State Medical University, Pediatrics No 1, Vinnytsia, Ukraine
475  Peanut and tree nut allergies in review: from clinical symptoms to component-resolved diagnosis in pediatric patients
Riviere J.G.1, Garriqa T.1, Vila B.1, Moreno-Galdó A.1, Narváez K.1, Gomez M.1, Guillen M.1, Soley R.1, Labrador Horrillo M.2, Blasco C.1
1Hospital Vall d’Hebron, Pediatric Allergy Section, Barcelona, Spain, 2Hospital Vall d’Hebron, Allergy Section, Internal Medicine Department, Barcelona, Spain

476  Intracellular interferon-gamma production by cord blood mononuclear cells is strongly associated with the newborn’s season of birth
Tereshchenko S.1, Smirnova S.1, Novitckii I.1, Shubina M.1
1Scientific Research Institute of Medical Problems of the North, Krasnoyarsk, Russian Federation

477  Anthroposophic lifestyle is associated with lower prevalence and late debut of allergic sensitisation – the ALADDIN birth cohort
Fagerstedt S.1, Marel-Hesla H.1, Johansson E.1, Rosenlund M.1, Mie A.1, Alm J.1,2
1Karolinska Institutet, Södersjukhuset, Stockholm, Sweden, 2Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden

478  High maternal distress scores in pregnancy are associated with development of offspring’s atopic dermatitis
1Seoul National University Bundang Hospital, Pediatrics, Seongnam-si, Republic of Korea, 2Sanggye Paik Hospital, Inje University College of Medicine, Seoul, Republic of Korea, 3Childhood Asthma A-topy Center, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 4Pusan National University Yangsan Hospital, Yangsan, Republic of Korea, 5Bundang CHA Medical Center, CHA University School of Medicine, Seongnam-si, Republic of Korea, 6Korea Cancer Center Hospital, Seoul, Republic of Korea, 7Hallym University Sacred Heart Hospital, Suwon, Republic of Korea, 8Korea Institute of Child Care and Education, Seoul, Republic of Korea

479  High serological cross-reactivity between grass and wheat in 73 wheat tolerant children with grass pollen allergy
Nilsson N.1, Berthold M.2, Ekoff H.2, Hedlin G.3, Borres M.P.4, Nilsson C.1, Sjölander S.2
1Karolinska Institutet and University Hospital, Lung and Allergy, Stockholm, Sweden, 2Thermo Fisher Scientific Uppsala, Sweden, 3Sachs’ Children’s Hospital, Lung and Allergy, Stolhem, Sweden

480  Extensive hydrolysed formula with prebiotic mixture efficiency in infants with cow’s milk allergy
Pampura A.1, Makarova S.4, Lavrova T.2, Filatova T.1, Abelevich M.4
1Russian National Research Medical University, Moscow, Russian Federation, 2Scientific Center of Children’s Health, Moscow, Russian Federation, 3Institute of Nutrition, Moscow, Russian Federation, 4National Novgorod State Medical Academy, Nizhniy Novgorod, Russian Federation

481  The relationship of mutations filaggrin and sensitisation at children with atopic dermatitis
Varlamov E.1, Tagirova M.1, Komova E.2, Ivanov M.2, Okuneva T.1, Sukhorukov V.1, Pampura A.1
1Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University, Moscow, Russian Federation, 2Joint-stock Company Vector-Best, Novosibirsk, Russian Federation

Experiences of parents administering eye drops to their children – thematic analysis of online blog entries and forum discussions
Bulbul A.1, Jones C.J.1, Mukhopadhyay S.1,2, Smith H.E.1
1Brighton and Sussex Medical School, Brighton, United Kingdom, 2Royal Alexandra Children’s Hospital, Brighton, United Kingdom

Prolonged exclusive and partial breastfeeding reduce milk sensitisation and the risk of eczema in early childhood: a birth cohort study
1Chang Gung Memorial Hospital at Linkuo, Pediatrics, Kweshan, Taiwan, 2Chang Gung Memorial Hospital at Keelung, Pediatrics, Keelung, Taiwan

Maternal vitamin D levels inversely related to allergic sensitisation and atopic diseases in early childhood
1Chang Gung Memorial Hospital at Linkuo, Taoyuan, Taiwan, 2Chang Gung Memorial Hospital at Keelung, Keelung, Taiwan

Educational and supporting program for pediatric atopic dermatitis improves parent treatment compliance and has positive impact on disease control
Olariu S.V.1, Putere E.2, Bumbacea R.S.1,2
1Novo Medica Clinic, Bucharest, Romania, 2Gamma Institute, Bucharest, Romania, 3Carol Davila’ University of Medicine and Pharmacy, Allergology, Bucharest, Romania

Predictive equations of pulmonary function for healthy children in Portugal
Martins C.1, Pinto M.2, Silva D.1,2, Moreira P.3, Padrão P.3, Oliveira Fernandes E.1, Madureira J.1, Delgado L.1,2, Severo M.2, Moreira A.1,2
1Centro Hospitalar de São João, Porto, Portugal, 2Faculty of Medicine of the University of Porto, Porto, Portugal, 3Faculty of Nutrition and Food Sciences, University of Porto, Porto, Portugal

Monday, 8 June 2015

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Poster Discussion Session (PDS 22)

Primary and secondary immunodeficiencies

Chairs: Isabella Quinti, Italy
        Martin van Haagen, The Netherlands

487  CD19 complex and memory B cells in patients with Down syndrome
     Artac H.1, Seckin A.N.1, Ozdemir H.1, Ceylan A.1
     1Selçuk University Medical Faculty, Pediatric Immunology and
      Allergy, Konya, Turkey

488  Long-term follow-up of lymphocyte subpopulations in common variable immunodeficiency (CVID)
     Litzman J.1, Trávníčková S.1, Tkáčová N.1, Kadlecová P.2, Nechvátalová J.1, Vlková M.1
     1St. Anne's Univ. Hospital, Dept Clin. Immunol. Allergol., Brno, Czech Republic, 2St. Anne's Univ. Hospital, International
      Clinical Research Centre, Brno, Czech Republic

489  Clinical features of immunodeficiency in CLL patients, and effectiveness of immunoglobulin replacement
     therapy on clinical outcome
     Compago N.1, Visentin A.1, Cinetto F.1, Semenzato G.1, Trentin L.1, Agostini C.1
     1University of Padova, Department of Medicine, Padova, Italy

490  A new STAT3 mutation in a family with a primary antibody deficiency
     Suratann S.1,2, Swaqemakers S.1, Dik W.1, van de Vosse E.3, van der Burg M.1, Dalm V.1, van der Spek P.1, Driessen G.1, van
      Hagen PM.1
     1Erasmus MC, Rotterdam, The Netherlands, 2Faculty of Medicine, Chulalongkorn University, Pediatrics, Bangkok,
      Thailand, 3Leiden University, Leiden, The Netherlands

491  Knowledge, perceptions and quality of life of immunodeficient patients on home based self-infused
     immunoglobulin replacement therapy
     Sloan A. J.1, Mahabir S.1
     1St James Hospital, Immunology Department, Dublin, Ireland

492  The comparison of computed tomography and magnetic resonance imaging findings of parenchymal
     lung diseases in patients with primary immune deficiency
     Arslan S.1, Poyraz N.2, Ucar R.1, Yesildağ M.1, Yesildağ A.2, Caliskaner A.Z.1
     1Necmettin Erbakan University, Meram Faculty of Medicine, Department of Immunology and Allergic Disease, Konya,
      Turkey, 2Necmettin Erbakan University, Meram Faculty of Medicine, Department of Radiology, Konya, Turkey, 3Konya
      Training and Research Hospital, Division of Pulmonary Disease, Konya, Turkey

493  Clinico-radiological correlation in children with ataxia telangiectasia in Qatar
     Ehlavel M.S.1, Elsaid M.F.2, Shami R.2, Salem K.4, Abdulbari Bener A.3
     1Weill-Cornell Med. College, Hamad Medical Corp, Section of Pediatric Allergy Immunology, Doha, Qatar, 2Weill-Cornell
      Med. College, Hamad Medical Corp, Section of Pediatric Neurology, Doha, Qatar, 3Hamad Medical Corp, Section of
      Pediatric Neurology, Doha, Qatar, 4Hamad Medical Corp, Radiology, Doha, Qatar, 5Istanbul University, Dept of Biostatistics
      & Medical Informatics, Istanbul, Turkey

494  Hereditary angioedema: report from the Czech registry
     Hakl R.1, Kuklík P.1, Krčmová I.1, Hanzlíková J.3, Vachová M.3, Zachová R.4, Strenková J.3, Litzman J.1
     1St. Anne's University Hospital in Brno, Masaryk University, Department of Clinical Immunology and Allergology, Brno,
      Czech Republic, 2University Hospital in Hradec Králové, Charles University, Department of Clinical Immunology and
      Allergology, Hradec Králové, Czech Republic, 3University Hospital in Plzeň, Charles University, Department of
      Immunology and Allergology, Plzeň, Czech Republic, 4University Hospital in Motol, Charles University, Department of
      Immunology, Praha, Czech Republic, 5Institute of Biostatistics and Analyses at the Faculty of Medicine and the Faculty of
      Sciences of the Masaryk University, Brno, Brno, Czech Republic

495  Screening protocols to detect subclinical respiratory infections in PID: findings from a European survey
     Jolles S.1, Sánchez-Ramón S.2, Quinti I.3, Soler-Palacin P.4, Agostini C.3, Florkin B.3, Couderc L.-J.2, Brodzski N.1, Jones
      A.3, Longhurst H.1,2, Warnatz K.1,2, Haerynck F.1,2, Matucci A.1,4, de Vries E.1
     1University Hospital of Wales, Immunodeficiency Centre for Wales, Cardiff, United Kingdom, 2Hospital Clinico
      San Carlos, Department of Immunology, Madrid, Spain, 3Sapienza University of Rome, Department of Molecular Medicine,
      Rome, Italy, 4Hospital Universitari Vall d’Hebron, Pediatric Infectious Diseases and Immunodeficiency Unit, Barcelona,
      Spain, 5University of Padua, Department of Clinical and Experimental Medicine, Padua, Italy, 6CHR de la CITADELLE,
      Liège, Belgium, 7Université de Versailles, Hopital FOCH, St Quentin en Yvelines, France, 8Skåne University Hospital,
      The Children’s Hospital, Lund, Sweden, 9Great Ormond Street Hospital, Institute of Child Health, London, United
      Kingdom, 10Barts Health NHS Trust, London, United Kingdom, 11University Medical Centre Freiburg, Centre for
      Chronic Immunodeficiency, Freiburg, Germany, 12Chent University Hospital, Department of Paediatric Immunology
      and Pulmonology, Ghent, Belgium, 13University of Florence, Department of Internal Medicine, Florence, Italy, 14Jeroen
      Bosch Hospital, Department of Paediatrics, Hertogenbosch, The Netherlands

496  Spleen embolisation as a strategy for controlling cytopenia in patients with Common Variable
     Immunodeficiency (CVID)
     Duarte Ferreira R.1, Ornelas C.1, Silva S.P.1, Lopes Silva S.1, Baldiaia C.1, Távora I.1, Barbosa M.P.1
     1Hospital de Santa Maria, CHLN, E.P.E., Immunology, Asthma and Allergy Research Institute, Tehran University of Medical
      Science, Tehran, Islamic Republic of Iran, 2Hospital de Santa Maria, CHLN, E.P.E., Immunology, Asthma and Allergy
      Research Institute, Tehran University of Medical Science, Tehran, Islamic Republic of Iran, 3Hospital de Santa Maria, CHLN,
      E.P.E., Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Science, Tehran, Islamic Republic
      of Iran, 4Hematology-Oncology and SCT Reaserch Center, Shahra Hospital, Tehran University of Medical Science, Tehran,
      Islamic Republic of Iran

First report of genetic analysis of Hermansky pudlak syndrome type 2 in Iran
     Alizadeh Z.1, NaBilòu S.1, Zandieh F.2, Hamidieh A.A.4, Fazliollahi M.R.1, Pourpak Z.2
     1Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Science, Tehran, Islamic Republic of
      Iran, 2Semnan University of Medical Sciences and Health Services, Tehran, Islamic Republic of Iran, 3Bahrani Hospital,
      Tehran University of Medical Science, Tehran, Islamic Republic of Iran, 4Hematology-Oncology and SCT Reaserch Center,
      Shariati Hospital, Tehran University of Medical Science, Tehran, Islamic Republic of Iran
Pulmonary complications in patients with common variable immunodeficiency

Erdem Bahceci S.1, Gelez N.1, Nacaroglu H.T.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

Three neutrophilic granulocyte's subpopulations

CD62Ldim+CD63dim+, CD62Lbright+CD63dim+ and CD62Ldim+CD63mid+ in newborns with congenital pneumonia

Nesterova I.V.1, Chudilova G.A.2, Lomtatidze L.V.2, Kleschenko E.3, Kovalova S.3, Smerchinskaja T.3, Sapun O.3
1The Peoples’ Friendship University of Russia, Department of Allergology and Immunology, Moscow, Russian Federation, 2Kuban State Medical University, Department of Clinical Immunology, Krasnodar, Russian Federation, 3Kuban State Medical University, Department of Neonatology, Krasnodar, Russian Federation

An occurrence of bronchial asthma in patients with common variable immunodeficiency

Milota T.1, Svobodová T.2, Zachova R.1, Vernerova E.1, Sediva A.1
1University Hospital in Motol, Prague, Department of Immunology, Prague, Czech Republic, 2University Hospital in Motol, Prague, Department of Paediatrics, Prague, Czech Republic

Business Meeting (BM 7) 17:30 – 18:40

Business Meeting: IG Insect Venom Hypersensitivity
Room 212
Hymenoptera venom allergy, the most important trigger of anaphylaxis in Europe
Marigitta Worm, Germany

Business Meeting (BM 8) 17:30 – 18:40

Business Meeting: IG Food Allergy
Room 117
The role of Maillard reaction products in food allergy
Masako Toda, Germany

Business Meeting (BM 9) 17:30 – 18:40

Business Meeting: IG Biologicals
Room 119
Biologics-induced autoimmune diseases
Manuel Ramos-Casals, Spain

Business Meeting (BM 10) 17:30 – 18:40

Business Meeting: IG Functional Genomics and Proteomics
Rooms 120–121
How the EAACI Functional Genomics Interest Group helped me to understand my disease – data from the first practical hands on FGP-IG workshop
Serena O’Neil, Australia

Business Meeting (BM 11) 17:30 – 18:40

Business Meeting: IG Ocular Allergy
Rooms 127–128
Psychological and personality traits in atopic dermatitis: impact on disease severity and quality of life
Luis Delgado, Portugal

Business Meeting (BM 12) 17:30 – 18:40

Business Meeting: IG Occupational Allergy
Rooms 129–130
Specific immunotherapy and biological treatments in occupational allergy
Joaquin Sastre, Spain

Business Meeting (BM 13) 17:30 – 18:40

Business Meeting: IG Aerobiology and Pollution
Rooms 131–132
Air pollution – a cause of allergies and asthma?
Connie Katelaris, Australia
**Sister Society Symposium (SSS 7)**

**Food allergy in Africa**

17:30 – 19:00

**Room 111**

**Chairs:** Habib Douagui, Algeria  
Di Hawarden, South Africa

- **Food allergy in South Africa: joining the allergy epidemic?**  
  Michael Levin, South Africa

- **Food allergies in Algeria: problems and prospects**  
  Ghania Malki, Algeria

- **Food allergy in Ghana: insights from population studies in children**  
  Abena Amoah, Ghana

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**Meet the Expert**

07:30 – 08:15

Meet the Expert (MTE 12) Room M211

The global climate change and its effect on geographical pollen distribution
Jeroen Buters, Germany

Meet the Expert (MTE 13) Room 119

Human innate lymphoid cells: where are they and how to detect them?
Rudi Hendricks, The Netherlands

Meet the Expert (MTE 14) Room 124

When to perform provocation tests to get rid off egg and cow's milk allergy?
Cansin Sackesen, Turkey

Meet the Expert (MTE 15) Room 125

Sublingual immunotherapy for allergic rhinitis
Moisés Calderón, United Kingdom

**Plenary Symposium (PL 5)**

08:30 – 10:00

Novel regulatory mechanisms in allergic diseases Hall A

Chairs: Cezmi Akdis, Switzerland
Barbara Bohle, Austria

VitD3 mediated control of IL-17
Catherine Hawrylowicz, United Kingdom

The potency of exosomes to control allergic disease
Jan Lötvall, Sweden

Immunotherapy under the umbrella of anti-IL4
Carsten Schmidt-Weber, Germany

**Plenary Symposium (PL 6)**

08:30 – 10:00

Infections and allergy Room 112

Chairs: Ronald van Ree, The Netherlands
Chrysanthi Skevaki, Greece

The influence of helminth infections on asthma
Richard M. Maizels, United Kingdom

The immunology of viral induced asthma exacerbations
Nikos Papadopoulos, Greece

Bacterial infections, friends or foes?
Liam O’Mahony, Switzerland

**Symposium (SYM 39)**

10:30 – 12:00

Search for biomarkers in allergen immunotherapy Room 212

Chairs: Ratko Djukanovic, United Kingdom
Mark Larché, Canada

Serum biomarkers
Mohamed Shamji, United Kingdom

Circulating cell biomarkers
William Kwok, United States

Tissue biomarkers
Oscar Palomares, Spain
**Symposium (SYM 40)**

**Allergy in daily practice**

10:30 – 12:00

**Hall B**

**Chairs:**
- Osman Yusuf, Canada
- Maria Basagaña, Spain

- **Co-factor enhanced food allergy**
  Olga Luengo, Spain

- **Measuring lung function in the primary care office**
  Gert-Jan Braunstahl, The Netherlands

- **Assessing adherence**
  João Fonseca, Portugal

**Symposium (SYM 41)**

**Asthma in the elderly – a different approach?**

10:30 – 12:00

**Room 111**

**Chairs:**
- Anahí Yañez, Argentina
- Sevim Bavbek, Turkey

- **The pathophysiology of asthma in the elderly**
  William Busse, United States

- **The new asthma epidemic in the elderly?**
  Nicola Scichilone, Italy

- **Asthma and COPD in the elderly: overlap syndrome**
  Maarten van den Berge, The Netherlands

**Symposium (SYM 42)**

**Immediate contact reactions**

10:30 – 12:00

**Room 112**

**Chairs:**
- Axel Trautmann, Germany
- Andreas Bircher, Switzerland

- **Contact urticaria**
  Werner Aberer, Austria

- **Protein contact dermatitis**
  Radoslaw Spiewak, Poland

- **Systemic reactions**
  Margitta Worm, Germany

**Symposium (SYM 43)**

**Highlights of the EAACI occupational allergy position papers**

10:30 – 12:00

**Room 113**

**Chairs:**
- Monika Raulf, Germany
- Jolanta Walusiak-Skorupa, Poland

- **Asthma and exposure to cleaning products**
  Jan-Paul Zock, The Netherlands

- **Hypersensitivity pneumonitis**
  Santiago Quirce, Spain

- **Occupational anaphylaxis**
  Andrea Siracusa, Italy
Symposium (SYM 44) 10:30 – 12:00

Role of the plasma contact system in allergic reactions and angioedema

Room 114

Chairs: Massimo Triggiani, Italy
Mar Guilarte, Spain

The plasma contact system 3.0: physiology and pathology
Coen Maas, The Netherlands

Contact system activation drives anaphylaxis in allergic reactions
Anna Sala-Cunill, Spain

Management of bradykinin-mediated angioedema
Marco Cicardi, Italy

Symposium (SYM 45) 10:30 – 12:00

Allergy management: from humans to animals and back

Room 115

Chairs: Tim Nuttall, United Kingdom
Vinzenz Gerber, Switzerland

Diagnosis of allergy in animals
Claude Favrot, Switzerland

Molecular diagnostics of allergy: from extracts to molecules
Erika Jensen-Jarolim, Austria

Immunotherapy in veterinary allergology
Doug DeBoer, United States

Symposium (SYM 46) 10:30 – 12:00

Exposome in asthma: the inside is out

Room 117

Chairs: Jan Lötvall, Sweden
Gerard Koppelman, The Netherlands

Defining the exposome
Isabella Annesi-Maesano, France

Epigenetics
Michael Kabesch, Germany

Genetics of allergic diseases
Juha Kere, Sweden

Year in Review (YIR 5) 10:30 – 12:00

ENT

Room 211

Chairs: Ralph Mösges, Germany
Roy Gerth van Wijk, The Netherlands

Role of immunotherapy in allergic rhinitis
Cemal Cingi, Turkey

Follow-up studies in local allergic rhinitis
Carmen Rondon, Spain

Occupational upper airway disease: how work affects the nose
Peter Hellings, Belgium
Who is more important: the regulators or the effectors?

Chairs:

Dario Antolin Amerigo, Spain
Paraskevi Maggina, Greece

Asthmatic granulomatosis: a new presentation or a new asthma phenotype?
Diaz Campos R.1, Gonzalez Salazar G.2, Bobolea I.3, Banderas Montalvo M.E.1, Melero Moreno C.1
1Hospital 12 de Octubre, Pulmonology, Madrid, Spain
2Hospital 12 de Octubre, Allergy, Madrid, Spain

Conjunctivitis medicamentosa: a case series of 76 patients
Montoro de Francisco A.M.1, De Vicente Jiménez T.M.1, García Luque A.2, Mateos Galván J.M.1, García Toledano R.3, Álvarez Montoro A.V.4
1Hospital Central de la Defensa, IMIDEF, Allergy, Madrid, Spain
2Hospital Central de la Defensa, IMIDEF, Clinical Pharmacology, Madrid, Spain
3Hospital Central de la Defensa, IMIDEF, Ophthalmology, Madrid, Spain
4Complutense University of Madrid, Modern Languages and theirs Literatures, Madrid, Spain

Hair loss in patients with chronic spontaneous urticaria treated with omalizumab: an under-reported, transient side effect?
Chiotti A.G.1, Konstantinou G.N.1
1424 General Military Training Hospital, Department of Allergy and Clinical Immunology, Thessaloniki, Greece

Oral Abstract Session (OAS 25) 10:30 – 12:00

Regulators and effectors of allergic inflammation

Chairs: Stephen Galli, United States
Bettina M. Jensen, Denmark

Who is more important: the regulators or the effectors?
Stephen Galli, United States

The adaptor 3BP2 is required for human mast cell migration and survival
Martín M.1,2, Ainsua-Enrich E.1,2, Serrano-Candela E.1,2, Navíñez-Ferrer A.1, Álvarez-Errico D.1,2, Picado C.1,2,3, Sayós J.4,5, Rivera J.6
1University of Barcelona, Medical School, Barcelona, Spain
2IDIBAPS, Clinic and Experimental Respiratory Immunology, Barcelona, Spain
3Networking Research Center on Respiratory Diseases (CIBERES), Barcelona, Spain
4Hospital Universitari Vall d’Hebron, Institut de Recerca, Barcelona, Spain
5Networking Research Center on Bioengineering, Biomaterials and Nanomedicine (CIBERBBN), Barcelona, Spain
6National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases. Laboratory of Molecular Immunogenetics, Bethesda, United States
No increase in skin or airway mast cell reactivity in patients with mastocytosis and related mast cell disorders
Gulen T.1,2,3, Möller-Westerberg C.4, Lyberg K.4, Kolmert J.5, Bood J.1, Dahlén S.-E.5,6, Dahlén B.1,3,6, Nilsson G.3,4,6
1Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 2Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 3Karolinska Institutet and Karolinska University Hospital, Mastocytosis Centre Karolinska, Stockholm, Sweden, 4Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 5Karolinska Institutet, Dept of Environmental Medicine, Experimental Asthma and Allergy Research, Stockholm, Sweden, 6Karolinska Institutet, The Centre for Allergy Research, Stockholm, Sweden

The effects of histamine on type 2 innate lymphoid cells
Morita H.1, Sugita K.1, Ferstl R.1, Frei R.1, Kubo T.1, Van De Veen W.1, Wawrzyniak M.1, Wirz O.1, Rückert B.1, O'Mahony L.1, Akdis M.1, Akdis C.1
1Swiss Institute of Allergy and Asthma Research, University of Zurich, Davos Platz, Switzerland

Vitamins A and D have antagonistic effects on expression of effector cytokines and gut-homing integrin in human innate lymphoid cells
Ruiter B.1,2, Patil S.U.1,2, Shreffler W.G.1,2
1Massachusetts General Hospital, Boston, United States, 2Harvard Medical School, Boston, United States

Circulating ILC subsets are differentially regulated in patients with allergic rhinitis and non-allergic individuals
Lombardi V.1, Beauraud C.1, Neukirch C.2, Moussu H.1, Horiot S.1, Sylvie Chollet-Martin S.C.-M.2, Baron-Bodo V.1, Aubier M.2, Moingeon P.1
1Stallergenes, Antony, France, 2Hopital Bichat, Paris, France

Oral Abstract Session (OAS 26)

Pediatric asthma and rhinitis

10:30 – 12:00

Rooms 131–132

Tuesday, 9 June 2015

146 No increase in skin or airway mast cell reactivity in patients with mastocytosis and related mast cell disorders
Gulen T.1,2,3, Möller-Westerberg C.4, Lyberg K.4, Kolmert J.5, Bood J.1, Dahlén S.-E.5,6, Dahlén B.1,3,6, Nilsson G.3,4,6
1Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 2Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 3Karolinska Institutet and Karolinska University Hospital, Mastocytosis Centre Karolinska, Stockholm, Sweden, 4Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 5Karolinska Institutet, Dept of Environmental Medicine, Experimental Asthma and Allergy Research, Stockholm, Sweden, 6Karolinska Institutet, The Centre for Allergy Research, Stockholm, Sweden

147 FcγRIIB-dependent inhibition of allergic effector cells
Zellweger F.1, Buschor P.1, Vogel M.1, Eggel A.1
1University Hospital Bern, Department for Rheumatology, Immunology and Allergology, Bern, Switzerland

148 The effects of histamine on type 2 innate lymphoid cells
Morita H.1, Sugita K.1, Ferstl R.1, Frei R.1, Kubo T.1, Van De Veen W.1, Wawrzyniak M.1, Wirz O.1, Rückert B.1, O’Mahony L.1, Akdis M.1, Akdis C.1
1Swiss Institute of Allergy and Asthma Research, University of Zurich, Davos Platz, Switzerland

149 Vitamins A and D have antagonistic effects on expression of effector cytokines and gut-homing integrin in human innate lymphoid cells
Ruiter B.1,2, Patil S.U.1,2, Shreffler W.G.1,2
1Massachusetts General Hospital, Boston, United States, 2Harvard Medical School, Boston, United States

150 Circulating ILC subsets are differentially regulated in patients with allergic rhinitis and non-allergic individuals
Lombardi V.1, Beauraud C.1, Neukirch C.2, Moussu H.1, Horiot S.1, Sylvie Chollet-Martin S.C.-M.2, Baron-Bodo V.1, Aubier M.2, Moingeon P.1
1Stallergenes, Antony, France, 2Hopital Bichat, Paris, France

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1Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 2Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 3Karolinska Institutet and Karolinska University Hospital, Mastocytosis Centre Karolinska, Stockholm, Sweden, 4Karolinska Institutet, Dept of Medicine Solna, Clinical Immunology and Allergy Research Unit, Stockholm, Sweden, 5Karolinska Institutet, Dept of Environmental Medicine, Experimental Asthma and Allergy Research, Stockholm, Sweden, 6Karolinska Institutet, The Centre for Allergy Research, Stockholm, Sweden

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Zellweger F.1, Buschor P.1, Vogel M.1, Eggel A.1
1University Hospital Bern, Department for Rheumatology, Immunology and Allergology, Bern, Switzerland

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Morita H.1, Sugita K.1, Ferstl R.1, Frei R.1, Kubo T.1, Van De Veen W.1, Wawrzyniak M.1, Wirz O.1, Rückert B.1, O’Mahony L.1, Akdis M.1, Akdis C.1
1Swiss Institute of Allergy and Asthma Research, University of Zurich, Davos Platz, Switzerland

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1Massachusetts General Hospital, Boston, United States, 2Harvard Medical School, Boston, United States

150 Circulating ILC subsets are differentially regulated in patients with allergic rhinitis and non-allergic individuals
Lombardi V.1, Beauraud C.1, Neukirch C.2, Moussu H.1, Horiot S.1, Sylvie Chollet-Martin S.C.-M.2, Baron-Bodo V.1, Aubier M.2, Moingeon P.1
1Stallergenes, Antony, France, 2Hopital Bichat, Paris, France

151 Preventing asthma exacerbations by allergen-impermeable bed covers in children: double-blind randomised placebo controlled trial
Murray C.S.1,2, Sumner H.1, Mycock M.1, Duxbury A.1, Custovic A.1, Simpson A.1
1University of Manchester, Centre for Respiratory Medicine and Allergy, Manchester, United Kingdom, 2Royal Manchester Children’s Hospital, Department of Respiratory Paediatrics, Manchester, United Kingdom

152 The association between local and systemic immune response in allergic rhinitis children with or without asthma
Nakonechna A.1, Antkipin Y.2, Umanets T.2, Lapshyn V.2, Zadorozhnaja T.2, Pustovalova O.2
1Royal Liverpool and Broadgreen University Hospitals NHS Trust, Allergy, Liverpool, United Kingdom, 2Institute of Paediatrics, Obstetrics and Gynaecology, Kiev, Ukraine

153 Feasibility and usefulness of lung function tests in preschool children
Caroline F.1, Amaral L.1, Martins C.1, Miranda M.1, Plácido J.L.1
1Centro Hospitalar São João, E.P.E., Porto, Portugal

154 Pulmonary function tests in obese and lean asthmatics: is atopy important?
Koksal O.1, Ozbek O.1
1Baskent University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey

155 Research on children’s level changes of serum IL-17, IL-35 with SLIT and clinical efficacy
1Jiangxi Provincial Children’s Hospital, Respiratory Department, Nanchang, China, 2Jiangxi Provincial Children’s Hospital, Nanchang, China

156 Lung function development in childhood
Hallas H.W.1, Chaves B.L.K.1, Arianto L.1, Bisgaard H.1
1Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, University of Copenhagen, Gentofte, Denmark
Asthma: mechanisms

**501** The TLR7 agonist R-837 relaxes guinea pig airways through a TLR7-independent, airway smooth muscle-mediated mechanism

Larsson O.,1 Mansson M.,1 Starkhammar M.1,2, Fuchs B.2, Adner M.2, Kumlien Georen S.1,2, Cardell L.-D.1

1Karolinska Institutet, Division of ENT Diseases, CLINTEC, Stockholm, Sweden, 2Karolinska Institutet, Experimental Asthma and Allergy Research, Institute for Environmental Medicine, Stockholm, Sweden

**502** Role of dsDNA in rhinovirus-induced allergic asthma exacerbations

Toussaint M.1, Jackson D.J.1, Edwards M.R.1, Johnston S.L.1

1Imperial College London, Airway Disease Infection Section/MRC Centre for Allergic Mechanisms of Asthma, Paddington, United Kingdom

**503** Passively sensitised human organotypic tissue as asthma model to study mast cell-nerve interaction

Jiménez Delpado S.M.1,2, Schindler S.1,2, Sewald K.1,2, Edwards M.R.1, Trudeau J.B.2,3,4

1MRC Centre for Allergic Mechanisms of Asthma, Paddington, United Kingdom, 2KU Leuven, Leuven, Belgium, 3Meningitis and Encephalitis, NHS Research and Development Centre, Royal Free Hospital, London, United Kingdom, 4Department of Immunology, Leuven, Belgium

**504** IL13 controls nitric oxide production through phosohatidylinositol 3-kinase in human bronchial epithelial cell

Yamamoto M.1, Traude J.B.2,3,4, Wenzel S.E.2,3

1Showa University, Allergology and Respiratory Medicine, Tokyo, Japan, 2University of Pittsburgh Medical Center, Asthma Institute, Pittsburgh, United States, 3University of Pittsburgh Medical Center, Pulmonary, Allergy and Critical Care Medicine, Pittsburgh, United States

**505** Protease allergens are capable of degrading surfactant proteins to varying degrees and this effects can be inhibited with specific protease inhibitors

Birben E.1, Kayaaslan C.2, Kalayci O.1

1Hacettepe University School of Medicine, Pediatric Allergy Unit, Ankara, Turkey, 2Hacettepe University, Faculty of Science, Department of Biology, Molecular Biology Section, Ankara, Turkey

**506** Exosomes from eosinophils of asthmatic patients produce alterations on structural lung cells

Çañas J.A.1, Mazzeo C.1,2, Guerra A.1,2, Barranco P.1, Quirce S.1, Ruiz Hornillos J.1, Izquierdo M.3, Sastre T.1, del Pozo V.1,2

1IIS-Fundación Jiménez Díaz-UAM, Immunology, Madrid, Spain, 2Ciber de Enfermedades Respiratorias, CIBERES, Madrid, Spain, 3Hospital La Paz Institute for Health Research (IdiPAZ) and CIBER of Respiratory Diseases CIBERES, Madrid, Spain, 4Hospital Universitario Infanta Elena, Madrid, Spain, 5IB-“Alberto Sol”-UAM, Madrid, Spain, 6Fundación Jiménez Díaz, Madrid, Spain

**507** Plasma concentration of hepatocyte growth factor in asthma patients correlates with impairment of lung function

Kowal K.1, Pampuch A.1, Bodzentu-Lukasz A.1

1Medical University of Białystok, Allergology and Internal Medicine, Białystok, Poland

**508** Is swimmers’ asthma a distinct asthma endotype?

Seys S.F.1, Van Gerven L.2, van den Heuvel E.2, Manjisse G.2, Peeters E.1, Kasran A.2, Aertgeerts S.2, Troosters T.1, Vanbelle V.1,2, Peers K.1,2, Ceuppens J.1,2, Hellings P.1,2, Dupont L.1,2, Bullens D.1,2

1KU Leuven, Leuven, Belgium, 2KU Leuven, Clinical Immunology, Leuven, Belgium, 3KU Leuven, Academic Center for General Practice, Leuven, Belgium, 4KU Leuven, Pneumology, Leuven, Belgium, 5Flemish Swimming Federation, Mereibeke, Belgium, 6KU Leuven, Sport Medical Advice Center, Leuven, Belgium

**Poster Discussion Session (PDS 23)**

**Tuesday, 9 June 2015**

**10:30 – 12:00**

**Poster Discussion Zone 1**
**Poster Discussion Session (PDS 24)**

**Diagnosing drug hypersensitivity**

**Poster Discussion Zone 2**

**TUESDAY**

**10:30 – 12:00**

**Chairs:** Josephine Cernadas, Portugal
Maria Jose Torres, Spain

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**515**

**Anaphylaxis to local anaesthetics: a clinical-laboratory integrated approach**

Emma R.1, Polosa R.1, Amaradio M.D.1, Caruso M.1

1University of Catania, Department of Clinical and Experimental Medicine, Catania, Italy

**516**

**Immediate and non-immediate allergic reaction to sulfonamides in children**

Atanaskovic-Markovic M.1,2, Medjo B.1,2, Radovic P.1, Petrovic M.1

1University Children’s Hospital, Belgrade, Serbia, 2Medical Faculty University of Belgrade, Belgrade, Serbia

**517**

**Selective hypersensitivity reactions to paracetamol**

Touati N.1, Schrijvers R.1,2, Demoly P.1,2, Chiriac A.M.1,3

1University Hospital of Montpellier, Allergy Unit, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France, 2University Hospitals Leuven, General Internal Medicine, Allergy and Clinical Immunology, Leuven, Belgium, 3Sorbonne Universités, UPMC Paris 06, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France

**518**

**The basophil activation test in the diagnostic performance in allergy to neuromuscular blocking agents**

Aquilar R.1, Lopes A.1, Melo A.2, Pereira-Barbosa M.A.1, Santos M.C.2

1Hospital de Santa Maria- Centro Hospitalar Lisboa Norte, Immunology-Allergy Department, Lisbon, Portugal, 2Instituto de Medicina Molecular-Faculdade de Medicina da Universidade de Lisboa, Unidade de Imunologia Clínica, Lisbon, Portugal

**519**

**Direct comparison of 3 commercial in-vitro assays for anti-penicillin specific IgE**

de Boer D.1, Bons J.A.1, Nieuwof C.M.2, Menheere P.P.1

1Maastricht University Medical Center, Central Diagnostic Laboratory, Maastricht, The Netherlands, 2Maastricht University Medical Center, Department of Internal Medicine, Immunology and Allergology, Maastricht, The Netherlands

**520**

**Analysis of the basophil activation test to quinolones using two different activation markers**

Ariza A.1, Fernandez T.D.1, Rodriguez M.J.1, Montañez M.I.1, Guerrero M.A.1, Blanca M.2, Mayorga C.1, Torres M.J.2

1IBIMA - Regional University Hospital of Málaga UMA, Research Laboratory, Málaga, Spain, 2IBIMA - Regional University Hospital of Málaga - UMA, Allergy Unit, Málaga, Spain

**521**

**Allergological work-up in the suspicion of drug hypersensitivity in patients undergoing allergen-specific immunotherapy**

Furlan C.1, Brandini D.1, Pereira-Aun V.1, Aun W.T.1, Mello J.F.1, Tanno L.K.1

1Hospital Servidor Público Estadual de São Paulo, Allergy and Clinical Immunology, São Paulo, Brazil

**522**

**Positive predictive value of benzyl-penicillin skin testing for beta-lactam allergic patients**

Lacomba Barrios J.1,2, Salas M.1, Gomez F.1, Barrionuevo E.1, Doña I.1, Bogas G.1, Herrero L.1, Sanchez M.I.1, Ruiz M.D.1, Blanca M.1, Torres M.J.1

1IBIMA-Regional University Hospital of Malaga UMA, Allergy Service, Malaga, Spain, 2CHU Sainte-Justine, Clinical Immunology and Allergy Service, Montreal, Canada

**523**

**Eyedropper allergy**

Vázquez de la Torre Gaspar M.1, Blanca-López N.1, Pérez-Alzate D.1, Garcimartín Galicia M.1, Ruano Pérez F.J.1, Somoza Álvarez M.L.1, Canto Diez G.1

1Hospital Infantia Leonor, Allergy, Madrid, Spain

**524**

**Comparison of diagnostic sensitivity of basophil activation test (BAT) and specific IgE in patients with confirmed immediate amoxicillin hypersensitivity**

Kosnik M.1,2, Silar M.1, Kopac P.1, Bajrović N.1, Eržen R.1, Šuntar Erjavšek A.1, Korošec P.1, Zdarn M.1, Golnik 1University Clinic of Respiratory and Allergic Diseases, Golnik, Slovenia, 2Medical Faculty, University of Ljubljana, Ljubljana, Slovenia

**525**

**Development of validated method for CYP2D6 phenotyping in studies of correlation between drug allergy and cytochrome P450 activity**

Abdrashitov R.K.1, Egorov F.A.1,2, Smirnov V.V.1,2, Ramenskaya G.V.1, Khaitov M.R.2

1I.M. Sechenov First Moscow State Medical University, Department of Pharmaceutical and Toxicological Chemistry, Moscow, Russian Federation, 2National Research Center – Institute of Immunology Federal Medical-Biological Agency of Russia, Moscow, Russian Federation

**526**

**Negative predictive value of skin tests to iodinated contrast media**

Soyyigil S.1, Göksel Ö.2, Aydın Ö.1, Gençtürk Z.B.2, Erdoğan B.D.1, Babvek S.1

1Ankara University, School of Medicine, Department of Immunology and Allergic Diseases, Ankara, Turkey, 2Ege University, School of Medicine, Department of Pulmonary Medicine, Asthma and Allergy Unit, Izmir, Turkey, 3Ankara University, School of Medicine, Department of Biostatistics, Ankara, Turkey

**527**

**Is it justified referring patients with history of drug allergy, atopy and atopic disease for testing radio contrast media allergy (RCM)?**

Topetam FM.1, Ciftaslan N.1, Oruc O.2, Colakoğlu B.2, Keren M.2

1Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey, 2Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Istanbul, Turkey, 3Istanbul University, Istanbul University Faculty of Medicine, Immunology and Allergy, Istanbul, Turkey
Tuesday, 9 June 2015

Poster Discussion Session (PDS 25)
10:30 – 12:00

Immunotherapy vaccines

**Chairs:** Barbara Bohle, Austria
Lars K. Poulsen, Denmark

528 Improvement in the average adjusted daily symptom score after 12 months of house dust mites subcutaneous immunotherapy: ALUMITES, a randomised, controlled, multicentre, phase IV study

Sánchez J.1, Vidal C.2, Hernández D.2, Pelaez A.3, Azpeitia A.3, Valero A.1

1Hospital Clinic Universitari de Barcelona, Barcelona, Spain, 2Complejo Hospitalario Universitario de Santiago de Compostela, Spain, 3IIIS Hospital La Fe, Valencia, Spain

531 Olive grove cultivation surface and allergic disease severity in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study

Dávila I.1, Iglesias-Cadarso A.2, Moreno-Ancillo A.3, Moreno C.4, Quiralte J.5, Azpeitia A.6

1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofía, Córdoba, Spain, 5Hospital Virgen del Rocío, Sevilla, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

532 Experimental sublingual allergen immunotherapy with monomeric allergen in a murine model of allergic rhinitis

Laskin A.A.1, Babakhin A.A.1, Kamishnikov O.Y.1, Chuvirov D.G.1, Andrevey S.M.1, Khaitov M.R.1

1National Research Center - Institute of Immunology of Federal Medico-Biology Agency of Russia, Moscow, Russian Federation

533 Characterisation and production of Alternaria alternata polymeric extracts

Abel-Fernández E.1, Hernández Arbeiza J.2, Nieto Cid M.3, Nieto García A.2, Casanovas M.2, Fernández-Calzada E.4

1Universidad Complutense de Madrid, Madrid, Spain, 2Hospital Nuestra Señora de la Montaña/Complejo Hospitalario de Cáceres, Cáceres, Spain, 3Hospital Universitari i Politècnic La Fe, Valencia, Spain, 4Inmunotek S.L, Alcalá de Henares, Spain

534 Development and validation of a rabbit specific IgG test to evaluate the biological activity of allergoids

Tudela J.1, Fernandez-Calzada E.1, Subiza J.L.1, Casanovas M.2

1Inmunotek SL, R&D, Alcalá de Henares, Spain, 2Inmunotek SL, Medical Department, Alcalá de Henares, Spain

535 Low-dose interleukin 2 induces regulatory T-cell mediated control of food allergy in mice

Bonnet B.1,2, Vigneron J.1, Levacher B.1, Vazquez T.1, Pitoiset F.1, Brimaut F.1, Klatzmann D.1,2, Bellier B.1,2

1UPMC INSERM UMR5959, Laboratory (3, Bat CERVI, Paris, France, 2AP-HP Groupe Hospitalier Pitié-Salpêtrière, Department of Biotherapies and the Clinical Investigation Center in Biotherapy, Paris, France

Poster Discussion Session (PDS 26)
10:30 – 12:00

Allergy epidemiology – allergens and environment

**Chairs:** Christian Apfelbacher, Germany
Vanessa García Larsen, United Kingdom

538 Olive grove cultivation surface and allergic disease severity in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study

Dávila I.1, Iglesias-Cadarso A.2, Moreno-Ancillo A.3, Moreno C.4, Quiralte J.5, Azpeitia A.6

1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofía, Córdoba, Spain, 5Hospital Virgen del Rocío, Sevilla, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

539 Olive grove cultivation surface and allergic disease severity in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study

Dávila I.1, Iglesias-Cadarso A.2, Moreno-Ancillo A.3, Moreno C.4, Quiralte J.5, Azpeitia A.6

1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofía, Córdoba, Spain, 5Hospital Virgen del Rocío, Sevilla, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

540 Olive grove cultivation surface and allergic disease severity in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study

Dávila I.1, Iglesias-Cadarso A.2, Moreno-Ancillo A.3, Moreno C.4, Quiralte J.5, Azpeitia A.6

1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofía, Córdoba, Spain, 5Hospital Virgen del Rocío, Sevilla, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

541 Olive grove cultivation surface and allergic disease severity in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study

Dávila I.1, Iglesias-Cadarso A.2, Moreno-Ancillo A.3, Moreno C.4, Quiralte J.5, Azpeitia A.6

1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofía, Córdoba, Spain, 5Hospital Virgen del Rocío, Sevilla, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain
Skin tests should be included in the diagnosis of non-immediate beta-lactam allergy in children

Chair: Antonino Romano, Italy

Pro
Marina Atanaskovic-Markovic, Serbia

Con
Jean-Christoph Caubet, Switzerland
Pro & Con (PC 6)  12:45 – 13:15

Pro & Con Arena

**Specific immunotherapy is useful to treat ocular allergy**

**Chair:** Virginia Calder, United Kingdom

**Pro**

Jean-Luc Fauquert, France

**Con**

Serge Doan, France

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Business Meeting (BM 14)  12:10 – 13:20

Business Meeting: Asthma Section  Room 111

**Phenotype based asthma management**

Anneke ten Brinke, The Netherlands

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Business Meeting (BM 15)  12:10 – 13:20

Business Meeting: Immunology Section  Room 113

**MicroRNA-containing T-regulatory-cell-derived exosomes suppress pathogenic T helper 1 cells**

Mark S. Wilson, United Kingdom

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Business Meeting (BM 16)  12:10 – 13:20

Business Meeting: Pediatrics Section  Room 114

**Role of the allergist in non-IgE-mediated gastrointestinal disease**

Adam Fox, United Kingdom

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Business Meeting (BM 17)  12:10 – 13:20

Business Meeting: Dermatology Section  Room 115

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Business Meeting (BM 18)  12:10 – 13:20

Business Meeting: ENT Section  Room 116

**Where to go on the anti-inflammatory pathway for rhinitis and rhinosinusitis**

Joaquim Mullol, Spain

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Business Meeting (BM 19)  12:10 – 13:20

Business Meeting: IG Primary Immunodeficiency Diseases  Rooms 127–128

**When to think of immunodeficiency?**

Andrew Cant, United Kingdom

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Symposium (SYM 47)  13:30 – 15:00

**Beyond Oral Immunotherapy (OIT) in food allergy**

**Auditorium**

**Chairs:** Montserrat Fernández-Rivas, Spain

Gideon Lack, United Kingdom

**Hypoallergenic molecules for Subcutaneous Immunotherapy (SCIT)**

Lars K. Poulsen, Denmark

**Epicutaneous Immunotherapy (EPIT) for peanut allergy**

Hugh Sampson, United States

**PRO – Avoidance is more effective than desensitisation**

Bodo Niggemann, Germany

**CON – Avoidance is more effective than desensitisation**

Marta Vázquez-Ortiz, Spain
Symposium (SYM 48)  13:30 – 15:00
New facets of urticaria  Room 211
Chairs: Montserrat Alvaro, Spain
Moises Labrador-Horrillo, Spain

New insights in the pathogenesis of urticaria
Marcus Maurer, Germany

When does acute urticaria progress to a chronic state?
Marta Ferrer, Spain

PRO – Antihistamine updosing solves the problem
Werner Aberer, Austria

CON – Antihistamine updosing solves the problem
Martin Church, United Kingdom

Symposium (SYM 49)  13:30 – 15:00
New frontiers in food allergy  Room 212
Chairs: Rodrigo Rodrigues Alves, Portugal
Riccardo Asero, Italy

Buckwheat in Europe
Enrico Heffler, Italy

The many faces of wheat allergy
Motohiro Ebisawa, Japan

Fish allergy beyond parvalbumin
Christiane Hilger, Luxembourg

Symposium (SYM 50)  13:30 – 15:00
Immunological consequences of exercise: keep on running?  Hall B
Chairs: Kai-Håkon Carlsen, Norway
Catherine Hawrylowicz, United Kingdom

Exercise and inflammation
Joachim Heinrich, Germany

Immune system adaptation in elite athletes
Michael Gleeson, United Kingdom

Exercise and infection susceptibility
Marcin Kurowski, Poland

Symposium (SYM 51)  13:30 – 15:00
Pediatric asthma - joint session with ERS  Room 112
Chairs: Tuomas Jartti, Finland
Francine Ducharme, Canada

Preschool wheeze: what is new?
Karin Ladrup Carlsen, Norway

Viral induced exacerbations in preschool wheezers: marker or cause?
Hans Bisgaard, Denmark

If it is not asthma: what is it?
John Warner, United Kingdom
ICON (ICON 1)  13:30 – 15:00

**International Consensus (ICON) on Allergen Immunotherapy (AIT)**

**Room 117**

**Chairs:** Marek Jutel, Poland  
Sergio Bonini, Italy

- *Clinical implications of studies on mechanisms of AIT*
  Cezmi Akdis, Switzerland

- *Standardisation of allergen preparations for AIT*
  Jörg Kleine-Tebbe, Germany

- *Unmet needs and perspectives in AIT*
  Marek Jutel, Poland

Workshop (WS 4)  13:30 – 15:00

**How to publish**

**Rooms 120–121**

**Chairs:** Anthony Frew, United Kingdom  
Adam Fox, United Kingdom

- *From results to manuscript: key steps*
  Mar Guilarte, Spain

- *Ethical aspects of scientific publishing*
  Rudolf Valenta, Austria

- *Which journal shall I send my manuscript to?*
  Paolo Matricardi, Germany

- *How to prepare my manuscript*
  Ulrich Wahn, Germany

- *The process of reviewing and how to rebut*
  Barbara Bohle, Austria

*This session is strictly limited to 60 attendees. Arrive early to guarantee your entry.*

Sister Society Symposium (SSS 8)  13:30 – 15:00

**Airways ICPs and GARD**

**Room 116**

**Chairs:** Nikolai Khaltaev, Switzerland  
José Rosado Pinto, Portugal

- *General direction of GARD development until 2020*
  Nikolai Khaltaev, Switzerland

- *GARD country focused activities*
  Arzu Yorgancioglu, Turkey

- *GARD epidemiology – new findings*
  Alexander Chuchalin, Russian Federation

- *Integrated management of common diseases in Primary Health Care*
  Alvaro Cruz, Brazil

- *Integrated control of CRD for healthy aging*
  Jean Bousquet, France
### Oral Abstract Session (OAS 27)

**Risk factors and triggers in childhood asthma**

**Room 111**

**Chairs:** Angela Simpson, United Kingdom

**Tuesday, 9 June 2015**

#### 157 Parental allergic disease before and after child birth poses similar risk for childhood allergies

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<tr>
<th>Authors</th>
<th>Institutions</th>
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<tbody>
<tr>
<td>Fuertes E.1, Standl M.2, von Berg A.2, Lehmann I.3, Hoffman B.4, Bauer C.-P.4, Koletzko S.7, Berdel D.2, Heinrich J.1</td>
<td>1Institute of Epidemiology I, Helmholtz Zentrum München - German Research Center for Environmental Health, Neuherberg, Germany, 2Research Institute, Department of Pediatrics, Marien-Hospital Wesel, Wesel, Germany, 3Department of Environmental Immunology/Core Facility Studies, Helmholtz Centre for Environmental Research - UFZ, Leipzig, Germany, 4IFU – Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany, 5Medical Faculty, Heinrich-Heine University of Düsseldorf, Düsseldorf, Germany, 6Department of Pediatrics, Technical University of Munich, Munich, Germany, 7Division of Paediatric Gastroenterology and Hepatology, Ludwig Maximilians University of Munich, Munich, Germany</td>
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#### 158 Meta-analysis of maternal smoking and aeroallergen sensitisation during childhood in eight European birth cohorts

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<tr>
<td>Neuman À.1, Hohmann C.2, Asarnoj A.1, Wickman M.1, Bergström A.1, Keil T.2</td>
<td>1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden, 2Charité University Medical Center, Institute for Social Medicine, Epidemiology and Health Economics, Berlin, Germany</td>
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#### 159 Early childhood infections with rotavirus and norovirus and the risk of developing asthma and atopic manifestations

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<tr>
<td>de Korte-de Boer D.1, Mommers M.1, Ogunyena M.1, Penders J.2, Reimerink J.2, Stelma F.2, Koopmans M.3, Thijs C.1</td>
<td>1Maastricht University, Epidemiology, Maastricht, The Netherlands, 2University Medical Hospital, Medical Microbiology, Maastricht, The Netherlands, 3National Institute of Public Health and the Environment (RIVM), The Laboratory for Infectious Diseases and Screening, Bilthoven, The Netherlands, 4Radboud University Medical Centre (UMC), Medical Microbiology, Nijmegen, The Netherlands, 5Erasmus MC, Viroscience, Rotterdam, The Netherlands</td>
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#### 160 Early urban ‘Microbiome in Dust’: key determinants and impact on atopic disorders. Results from the LISAplus birth cohort study

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<td>Tscher C.1, Weikl F.1, Probst A.J.1, Standl M.1, Lehmann I.4, Pritsch K.5, Heinrich J.1</td>
<td>1Institute of Epidemiology I, Helmholtz Zentrum München, Neuherberg, Germany, 2Institute of Soil Ecology, Helmholtz Zentrum München, Neuherberg, Germany, 3University of California, Berkeley, Department of Earth and Planetary Sciences Banfield Lab, Berkeley, United States, 4Helmholtz Zentrum UFZ, Department Environmental Immunology, Leipzig, Germany, 5Institute of Soil Ecology München, Helmholtz Zentrum, Neuherberg, Germany</td>
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#### 161 Exposure to mould in relation to asthma and allergic rhinitis symptoms from birth to young adulthood. A MeDALL project

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<tr>
<td>Tischer C.1, Ivina O.1, Standl M.1, Gehring U.2, Więck A.3, Melen E.4, Kull I.5,6, Torrent M.7, Sunyer J.8,9,10, Keil T.11,12, Heinrich J.1, MeDALL Study Group</td>
<td>1Helmholtz Zentrum München, Neuherberg, Germany, 2Institute for Risk Assessment Sciences, Division Environmental Epidemiology, Utrecht University, Utrecht, The Netherlands, 3Centre for Prevention and Health Services Research, National Institute of Public Health and the Environment, Bilthoven, The Netherlands, 4Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden, 5Sachs’ Children’s Hospital, Stockholm, Sweden, 6Department of Clinical Science and Education, Karolinska Institutet, Stockholm, Sweden, 7Area de Salud de Menorca, IB-SALUT, Menorca, Spain, 8Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain, 9CIBER Epidemiología y Salud Pública (CIBERESP), Barcelona, Spain, 10Hospital del Mar Medical Research Institute (IMIM), Barcelona, Spain, 11Institute of Social Medicine, Epidemiology and Health Economics, Charité – Universitätsmedizin Berlin, Berlin, Germany, 12Institute of Clinical Epidemiology and Biometry, University of Würzburg, Würzburg, Germany</td>
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#### 162 Temporal association between overweight and asthma from school-age to adolescence

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<td>Ekström S.1, Magnusson J.1, Kull I.1, Andersson N.1, Bottai M.1, Kuja-Halkola R.1, Besharat Pour M.1, Melén E.1, Bergström A.1</td>
<td>1Karolinska Institutet, Stockholm, Sweden, 2Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden</td>
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Update on management of atopic dermatitis
Charlotte Gotthardt Martz, Denmark

163 Anti-inflammatory and anti-apoptotic effects of resveratrol treatment in atopic dermatitis like murine model
Caglayan Sozmen S.1, Karaman M.1, Cilaker Micili S.1, Işık S.1, Arikman Ayildiz Z.1, Bagriyanik A.1, Celik A.1, Asilsoy S.1, Uzuner N.1, Anal O.1, Karaman O.1
1Dokuz Eylul University Faculty of Medicine, Izmir, Turkey

164 Gamisasangja-tang suppresses pruritus and atopic skin inflammation in the NC/Nga murine model of atopic dermatitis
1Daejeon University/Laboratory of Pharmacology, College of Korean Medicine, Daejeon, Republic of Korea, 2Daejeon University/Department of Internal Medicine, Daejeon Korean Medicine Hospital of Daejeon University, Daejeon, Republic of Korea, 3Daejeon University/Department of Neuropsychiatry, Dunsan Korean Medicine Hospital of Daejeon University, Daejeon, Republic of Korea, 4Daejeon University/Institute of Traditional Medicine and Bioscience, Daejeon, Republic of Korea, 5Gachon University/College of Pharmacy, Incheon, Republic of Korea

165 Low serum vitamin D levels in adult patients with difficult to treat atopic dermatitis: recommendations for daily practice
van der Schaft J.1, Ariens L.F.M.1, Hijnen D.1, Bruijnzel-Koomen C.A.F.M.2, Do Brun-Weller M.3,1
1University Medical Center Utrecht, Utrecht, The Netherlands

166 Efficacy of sodium hypochlorite (bleach) baths to reduce Staphylococcus aureus colonisation in patients with moderate-to-severe atopic dermatitis
Tsang V.C.1, Hon K.L.1, Pong N.H.1, Leung T.F.1
1The Chinese University of Hong Kong, Department of Paediatrics, Hong Kong, China

167 Mechanical injury induces IL-13 in the skin, which downregulates the ability of skin derived dendritic cells to promote Th1 polarisation
Levy-Castillo J.-M.1, Yap J.1, Geha R.S.1
1Boston Childrens Hospital and Harvard Medical School, Division of Immunology and Department of Pediatrics, Boston, United States

168 A multi-ethnic genome-wide association study of 21,000 cases and 95,000 controls identifies 11 novel genetic variants associated with atopic dermatitis
1University of Bristol, MRC Integrative Epidemiology Unit, Bristol, United Kingdom, 2Institute of Epidemiology I, Helmholtz Zentrum Muenchen, Neuherberg, Germany, 3University Hospital Schleswig-Holstein, Department of Dermatology, Allergology & Venerology, Kiel, Germany, 4Institute of Genetic Epidemiology, Helmholtz Zentrum Muenchen, Neuherberg, Germany, 5Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, Copenhagen, Denmark, 6University of Manchester and University Hospital of South Manchester, Centre for Respiratory Medicine and Allergy, Institute of Inflammation and Repair, Manchester, United Kingdom, 7King’s College London, Department of Twin Research and Genetic Epidemiology, London, United Kingdom, 823andMe Inc., Mountain View, CA, United States, 9Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden, 10The Children’s Hospital of Philadelphia, The Center for Applied Genomics, Philadelphia, PA, United States, 11Statens Serum Institut, Department of Epidemiology Research, Copenhagen, Denmark, 12University of California, Department of Medicine, San Francisco, CA, United States, 13Erasmus MC, The Generation R Study Group; Department of Pediatrics, Division of Respiratory Medicine; Department of Epidemiology, Rotterdam, The Netherlands, 14Center for Research in Environmental Epidemiology (CREAL), Barcelona, Spain, 15Experimental Clinical Research Center, Charité Medical Faculty and Max-Delbrueck-Center for Molecular Medicine, Berlin, Germany, 16Norwegian Institute of Public Health, Department of Genes and Environment, Oslo, Norway, 17Göteborg University, Department of Obstetrics and Gynecology, Sahlgrenska University Hospital, Sahlgrenska Academy, Göteborg, Sweden, 18Our Lady’s Children’s Hospital Crumlin, Paediatric Dermatology; National Children’s Research Centre, Dublin, Ireland, 19Trinity College Dublin, Clinical Medicine, Dublin, Ireland, 20Imperial College London, Department of Epidemiology & Biostatistics, School of Public Health, London, United Kingdom, 21VU University, Department of Biological Psychology, Amsterdam, The Netherlands, 22Christian-Albrechts University of Kiel, Institute of Clinical Molecular Biology, Kiel, Germany, 23Queensland Institute of Medical Research Berghofer, Brisbane, Queensland, Australia, 24RIKEN, Laboratory for Respiratory Diseases, Center for Genomic Medicine, Yokohama, Japan, 25Swiss Tropical and Public Health Institute Swiss TPH, Department of Epidemiology and Public Health, Basel, Switzerland, 26University of Basel, Basel, Switzerland, 27Henry Ford Health System, Center for Health Policy and Health Services Research; Department of Medicine, Detroit, MI, United States, 28Brigham & Women’s Hospital and Harvard Medical School, Channing Division of Network Medicine, Boston, MA, United States, 29University of California, Departments of Medicine, Bioengineering and Therapeutic Sciences, San Francisco, CA, United States, 30University of Chicago, Department of Human Genetics, Chicago, IL,
United States, University of Southhampton, MRC Life Course Epidemiology Unit, Faculty of Medicine, Southhampton, United Kingdom, University of Groningen, University Medical Center, Groningen, The Netherlands, GRIAC Research Institute, Department of Pulmominology, Groningen, The Netherlands, National Allergy Research Centre, Gentofte University Hospital, Department of Dermatology and Allergology, Hellerup, Denmark, The University of Western Australia, School of Women’s and Infants’ Health, Perth, Australia, Imperial College London, Respiratory Epidemiology and Public Health Group, NHLI, London, United Kingdom, Anhui Medical University, Institute of Dermatology and Department of Dermatology, No.1 Hospital, Hefei, Anhui, China, University of London, Population Health Research Institute, St George’s, London, United Kingdom, University of Dundee, Dermatology and Genetic Medicine, Medical Research Institute, Dundee, United Kingdom, University of Queensland Diamantina Institute, Translational Research Institute, Brisbane, Queensland, Australia

**Oral Abstract Session (OAS 29)  13:30 – 15:00**

**Immunotherapy – immunological effect and outcome  Room 114**

**Chairs:**
Mohamed Shamji, United Kingdom
Harald Renz, Germany

Are there any good biomarkers for AIT
Mohamed Shamji, United Kingdom

**169** Clonal homology in immunoglobulin heavy chains in unrelated patients undergoing peanut oral immunotherapy
Patil S.1, Steinbrecher J.1, Oggunniyi A.2, Calatroni A.3, Moon J.1, Love J.C.1, Shreffler W.1
1Massachusetts General Hospital, Boston, United States, 2Massachusetts Institute of Technology, Cambridge, United States, 3Rhône, Inc., Chapel Hill, United States

**167** A comparison of allergic T cell response modulation induced by subcutaneous versus sublingual allergen-specific immunotherapy
Schulzen V.1, Trippe V.1, Aasbjerg Anderson K.2, Backer V.2, Lund G.2, Adler Wurtzen P.2, Sette A.1, Peters B.1
1La Jolla Institute, San Diego, United States, 2Copenhagen University Hospital Bispebjerg, Department of Lung Medicine, Copenhagen, Denmark, 3ALK, Global Research, Horsholm, Denmark

**172** Changes in regulatory/pro-allergic dendritic cell (DCreg/DC2) ratios in peripheral blood predict the clinical efficacy of allergen-specific immunotherapy
Gueguen C.1, Moussu H.1, Bouley J.1, Le Mignon M.1, Nony E.1, Baron-Bodo V.1, Mascalleg L.1, Moingeon P.1
1Stallergenes SA, Antony, France

**173** Persistent suppression of basophil activation following peanut oral immunotherapy
Islam S.1, Anagnostou K.1, King Y.1, Deighton J.1, Foley L.1, Ewan P.W.1, Clark A.T.1
1University of Cambridge, Medicine, Cambridge, United Kingdom

**171** Immunological mechanisms involved in the generation of FOXP3+ Treg cells by grass pollen allergoids conjugated to mannan
Palomares O.1, Sirvent S.1, Soria I.1,2,3, Fernández-Caldaes E.3, Subiza J.L.1,2,3
1Complutense University of Madrid, Biochemistry and Molecular Biology, Madrid, Spain, 2Hospital Clínico San Carlos, Madrid, Spain, 3Inmunotek S.L, Madrid, Spain

**Oral Abstract Session (OAS 30)  13:30 – 15:00**

**Severe reactions to drugs  Room 115**

**Chairs:**
Knut Brockow, Germany
Patrizia Bonadonna, Italy

The difficult management of patients with severe reaction to drugs in the daily practice
Knut Brockow, Germany

**175** Management of vaccination in subjects with mastocytosis
Zanoni G.1, Zanotti R.2, Schena D.3, Sabbadini C.3, Opri R.3, Bonadonna P.4
1Immunology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 2Haematology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 3Dermatology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 4Allergy Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy

**176** Changes in regulatory/pro-allergic dendritic cell (DCreg/DC2) ratios in peripheral blood predict the clinical efficacy of allergen-specific immunotherapy
Gueguen C.1, Moussu H.1, Bouley J.1, Le Mignon M.1, Nony E.1, Baron-Bodo V.1, Mascalleg L.1, Moingeon P.1
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Islam S.1, Anagnostou K.1, King Y.1, Deighton J.1, Foley L.1, Ewan P.W.1, Clark A.T.1
1University of Cambridge, Medicine, Cambridge, United Kingdom

**174** Immunological changes and peach tolerance after one year of immunotherapy with Prup3, in peach allergic patients
Gómez F.1, Bogas G.1, Mayorga C.2, Gómez M.2, Galindo L.1, Jimeno L.1, Torres M.J.1
1Regional Hospital, Malaga, Allergy, Malaga, Spain, 2Biomedical Research Institute Malaga, IBIMA, Malaga, Spain, 3ALK-Abelló, Madrid, Spain

**176** Management of vaccination in subjects with mastocytosis
Zanoni G.1, Zanotti R.2, Schena D.3, Sabbadini C.3, Opri R.3, Bonadonna P.4
1Immunology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 2Haematology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 3Dermatology Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy, 4Allergy Unit, Azienda Ospedaliera Universitaria Integrata Verona, Verona, Italy
Oral Abstract Session (OAS 31) 13:30 – 15:00

Allergic molecules: from structural analysis to clinical relevance  Rooms 129–130

Chairs: Hans-Jürgen Hoffmann, Denmark
Mariona Pascal, Spain

From molecules to cells; selecting the right diagnostic test
Hans-Jürgen Hoffmann, Denmark

176 Severe bullous drug-induced reactions (SJS and TEN) in Latin America
Serrano C.D.1, Cardona R.2, Sanchez-Borges M.1, Ensina L.F.4, Zanacchi A.V.1, Arias-Cruz A.1, Gomez M.1, Gonzalez-Diaz S.1, Cherevaz-Ojeda I.1, Jares E.J.9
1Fundacion Valle del Lili, Internal Medicine - Allergology, Cali, Colombia, 2Universidad de Antioquia, Allergy, Medellin, Colombia, 3Centro Medico Docente La Trinidad, Caracas, Venezuela, 4University of Aberdeen Sao Paulo Medical School, Allergy and Clinical Immunology, Sao Paulo, Brazil, 5Nuevo Hospital San Roque, Cordoba, Argentina, 6Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, 7Hospital San Bernardo, Salta, Argentina, 8Repiralab, Hospital Kennedy, Guayaquil, Ecuador, 9Fundacion Libra, Buenos Aires, Argentina

177 Role of skin tests in the diagnosis of hypersensitivity reactions to Taxanes. Preliminary results of a multicentre study
Costantino M.T.1, Cortellini G.2, Roncallo C.1, Cantore M.3, Bonadonna P2, Pagani M.3
1Allergology Unit Azienda Ospedaliera Carlo Poma, Medicine Department, Mantova, Italy, 2Internal Medicine and Rheumatology Division, Rimini, Italy, 3Oncology Division, Medicine Department, Mantova, Italy, 4Allergology Service Azienda Ospedaliera Universitaria, Verona, Italy, 5Internal Medicine Division Presidio di Pieve di Coriano Azienda Ospedaliera Carlo Poma Mantova, Medicine Department, Pieve di Coriano (Mantova), Italy

178 HLA-A*O2:06 and PTGER3 polymorphism exerts additive effects in cold medicine-related Stevens-Johnson syndrome with severe ocular complications
Ueta M.1, Tokunaga K.2, Sotozono C.1, Sawai H.2, Kinoshita S.1
1Kyoto Prefectural University of Medicine, Ophthalmology, Kyoto, Japan, 2Graduate School of Medicine, University of Tokyo, Department of Human Genetics, Tokyo, Japan

179 Severe IgE-mediated allergy induced by unsuspected drugs: proton pump inhibitors
Mota I.1, Gaspar A.1, Chambel M.5, Morais-Almeida M.1
1Immunology Department, CUF Descobertas Hospital, Lisbon, Portugal

180 Development of anti-infliximab-antibodies during treatment: a pilot study to identify IgE-binding epitopes and cross-reactivity
Janne U.1,2, Roekendorf N.3, Frey A.2, Kromminga A.4, Minge S.1, Platts-Mills T.A.4, Homann A.1
1Division of Clinical and Molecular Allergology, Research Center Borstel, Member of the German Center for Lung Research, Borstel, Germany, 2Dept of Dermatology, Luebeck, Germany, 3Research Center Borstel, Mucosal Immunology & Diagnostics, Borstel, Germany, 4IPM Biotech GmbH, Hamburg, Germany, 5University of Virginia Health System, Asthma and Allergic Diseases Center, Charlottesville, United States

181 Structural analysis of Pla 1.1, the major Plantago lanceolata allergen, uncovered the Oie 1-like fold
Gadermaier G.1,2, Stemseder T.1, Freir R.1, Wildner S.2, Briza P.1, Lang R.1, Villalba M.1, Lidholm J.2, Hawranek T.3, Brandstetter H.1, Ferreira F.1
1University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 2University of Salzburg, Christian Doppler Laboratory for Innovative Tools for Biosimilar Characterization, Salzburg, Austria, 3Paracelsus Medical University Salzburg, Department of Dermatology, Salzburg, Austria, 4Complutense University from Madrid, Biochemistry and Molecular Biology Department, Madrid, Spain, 5Thermo Fisher Scientific Inc., ImmunoDiagnostics Division, Uppsala, Sweden

182 Molecular characterisation of the allergenic non-specific lipid transfer protein Pla a 3 from plane tree pollen
Wangorsch A.1, Larsson H.1, Messmer M.1, Garcia Moral M.A.2, Lauer I.1, Wolfheimer S.1, Bartra J.2, Vieths S.1, Lidholm J.2, Scheurer S.1
1Paul-Ehrlich-Institut, VPR 1 Research Group, Molecular Allergology, Langen, Germany, 2Thermo Fisher Scientific, Uppsala, Sweden, 3Hospital Clinica de Barcelona, Pneumology Department, Allergy Unit, Barcelona, Spain, 4Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany

183 Ultra-high density peptide arrays demonstrate unique patient-specific IgE and IgG4 epitope patterns for peanut allergens that persist over multiple years
1Technical University of Denmark, DTU Nanotech, Kgs. Lyngby, Denmark, 2Technical University of Denmark, Center for Biological Sequence Analysis, Kgs. Lyngby, Denmark, 3Medical University of Vienna, Department of Paediatrics, Vienna, Austria, 4Roche NimbleGen, Madison, Wisconsin, United States, 5Technical University of Denmark, National Food Institute, Søborg, Denmark

184 INA (individual native in-vitro allergy diagnostics) as a novel allergy diagnostic tool for food allergy
Wahl R.1, Röseiler S.5
1ROXALL Medizin, Oststeinbek, Germany, 2Universitätshautklinik der RWTH Aachen, Aachen, Germany

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**Biomarkers in occupational allergy**

**Chairs:**
1. Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria
2. Medical University of Vienna, Christian Doppler Laboratory for Immunomodulation, Vienna, Austria

**Oral Abstract Session (OAS 32)**

**Risk factors and biomarkers in occupational allergy**

**Chairs:**
- Monika Rauf, Germany
- Jolanta Walusiak-Skorupa, Poland

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<td>Basophil activation tests reveal that the C-terminus of Bet v 1 contains important IgE binding epitopes</td>
<td>Gepp B.,¹ Lengger N.,¹ Kitzmüller C.,¹,² Radauer C.,¹ Bohle B.,¹,² Breiteneder H.,¹</td>
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1. Hospital Marina Baixa, Allergy Section, Villajoyosa (Alicante), Spain
2. Hospital Virgen de la Arrixaca, Allergy Service, Murcia, Spain
3. Complexo Hospitalario Universitario de Cartagena, Allergy Section, Cartagena (Murcia), Spain
4. Hospital General Universitario de Elche, Allergy Unit, Elche (Alicante), Spain
5. Hospital de la Vega Baja, Allergy Unit, Orihuela (Alicante), Spain
6. Centro de Especialidades El Españoleto, Allergy Unit, Játiva (Valencia), Spain
7. Laboratorios Leti, R&D, Tres Cantos (Madrid), Spain

187 | Sputum cytokine profiles after challenge exposure to occupational agents | Vandenplas O.,¹ Lemaire M.,² Knoops L.,² Huaux F.,² Renaud J.-C.² |
| 188 | Occupational allergic conjunctivitis-diagnostic tests and criteria for recognition | Wiszniewska M.,¹ Pas-Wyroślak A.,¹ Tymoszuk D.¹, Świerczyńska-Machura D.¹, Lipińska-Ojrzanowska A.¹, Nowakowska-Skowronska E.¹, Walusiak-Skorupa J.¹ |
| 189 | Prediction of chemical respiratory sensitisers using GARD, a novel in vitro assay based on a genomic biomarker signature | Forrayd A.¹, Johansson H.¹, Albrekt A.-S.¹, Borrebaek C.¹, Lindstedt M.¹ |

1. CHU Mont-Godinne, Chest Medicine, Université Catholique de Louvain, Yvoir, Belgium
2. de Duve Institute, Université Catholique de Louvain, Brussels, Belgium
3. Cliniques Saint-Luc, Hematology Unit, Université Catholique de Louvain, Brussels, Belgium
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6. Lund University, Department of Immunotechnology, Lund, Sweden
7. University of Perugia, Occupational Medicine, Perugia, Italy
8. University of Perugia, Occupational Medicine, Terni, Italy
9. University of Cape Town, Centre for Environmental and Occupational Health Research, School of Public Health and Family Medicine, Cape Town, South Africa
10. National Institute for Occupational Health, National Health Laboratory Services, Johannesburg, South Africa
11. University of Witwatersrand, Department of Pathology, Johannesburg, South Africa
12. University of Perugia, Occupational Medicine, Perugia, Italy
13. Regional Health Authority of Umbria, Health Planning Service, Perugia, Italy
548 Histamine receptor expression in the gut is altered by local inflammatory activity
Smolinska S., Groeger D., Rodriguez N., Schiavi E., Jutel M., O’Mahony L.
1 Wroclaw Medical University, Department of Clinical Immunology, Wroclaw, Poland, 2 ALL-MED Medical Research Institute, Wroclaw, Poland, 3 Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos, Switzerland

549 Baicalein, a natural compound, attenuates food allergic responses
Shin H.S., Bae M.-J., Shon D.-H.
1 Korea Food Research Institute, Seoungnam-si, Republic of Korea

550 Combined exposure to beta-lactoglobulin-derived tolerogenic peptides and symbiotics alleviates food allergy response in vivo
Kostadinova A., van Esch B.C., Garssen J., Willemsen L.E.M., Knippeis L.M.J.
1 Utrecht University, Utrecht, The Netherlands, 2 Nutricia Research, Utrecht, The Netherlands

551 Active eosinophilic esophagitis is characterised by epithelial barrier defects and eosinophil extracellular trap formation
Simon D., Radonjic-Hösi S., Straumann A., Vousfi S., Simon H.-U.
1 Dept of Dermatology, Bern University Hospital, Bern, Switzerland, 2 Institute of Pharmacology, Bern, Switzerland, 3 Swiss EoE Research Network, Olten, Switzerland

552 Familial eosinophilic esophagitis (EOE) uncovers a new EoE-like syndrome without tissue eosinophilia
1 Swiss EoE Research Network, Olten, Switzerland, 2 Nestle Research Center, Lausanne, Switzerland, 3 Division of Pathology, Institute Viollier, Basel, Switzerland, 4 University of Bern, Division of Pharmacology, Bern, Switzerland, 5 University Hospital of Basel, Basel, Switzerland, 6 University of Bern, Institute of Social and Preventive Medicine, Bern, Switzerland, 7 University Hospital of Lausanne, Lausanne, Switzerland, 8 University of Bern, Department of Dermatology, Bern, Switzerland

553 Management and follow up of paediatric eosinophilic esophagitis
Villafana L., Perez N., Negrin Y., Camarero C., De la Hoz B., Terrados S., Alvarez-Cuesta E.
1 Hospital Ramón y Cajal, Madrid, Spain

554 The prevalence of environmental and food sensitisation in patients with eosinophilic esophagitis
Pham H., Chad Z., Sussman G., Hébert J., Frankish C., Olynych T., Cheema A., Del Carpio J., Harrison R., Santucci S., Yang W.H.
1 University of Ottawa Medical School, Ottawa, Canada, 2 University of Ottawa, Pediatrics, Ottawa, Canada, 3 University of Toronto, Toronto, Canada, 4 Gordon Sussman Clinical Research, Toronto, Canada, 5 Centre de Recherche Appliquée en Allergie de Québec, Québec, Canada, 6 Trillium Health Partners, Mississauga, Canada, 7 McGill University, Montreal, Canada, 8 Ottawa Allergy Research Corporation, Ottawa, Canada

555 Eosinophilic esophagitis: clinical and allergological descriptive study
Valbuena T., Reche M., Padial M.A., Nuñez B.
1 Hospital Infanta Sofia, Allergy, S. Sebastian de Los Reyes, Spain

556 IgE sensitisation to cow’s milk in infants with allergic proctocolitis
Kontogiorgaki I., Chtyiroglou E., Sandilos C., Angelides X., Makris M., Chiva C.
1 Attikon University Hospital, Dermatology and Venerology, Athens, Greece

557 Almost half cow’s milk-induced food protein induced enterocolitis syndrome (FPIES) require amino acid feeding
1 Necker-Enfant Malades Hospital, Assistance Publique - Hôpitaux de Paris (AP-HP), Paediatric Gastroenterology and Allergology Department, Paris, France, 2 Groupe Hospitalier de l’institut Catholique de Lille, Department of Saint Vincent de Paul Hospital, Lille, France, 3 Hopitaux Pediatriques de Nice CHU-Lenval, Paediatric Allergology Department, Nice, France

558 Retrospective study of oral food challenges performed in children with history of FPIES in a tertiary hospital
1 National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy Unit, Athens, Greece, 2 National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy, Athens, Greece

559 Celiac disease: peripheral blood cell-mediated response to antigen-specific stimulation
1 University of Cagliari, Department of Medical Sciences ‘M. Aresu’, Monserrato (Cagliari), Italy, 2 University of Sassari, Department of Clinical and Experimental Medicine, Sassari, Italy
Poster Discussion Session (PDS 28)

**Air pollution and pollens: new evidence**

**Poster Discussion Zone 2**

**Tuesday, 9 June 2015**

**Chair:** Isabella Annesi-Maesano, France

**Time:** 13:30 – 15:00

### 560

**Description of 63 pediatric patients diagnosed with food induced gastroenterocolitis syndrome in our hospital**

Perez N.1, Villafana L.1, Terrados S.1, De la Hoz B.1, Alvarez-Cuesta E.1

1Hospital Ramon Y Cajal, Alergologia, Madrid, Spain

### 560A

**A case of neonate and infant gastrointestinal allergy that turned into IgE-mediated food allergy**

Sato K.1,2, Yagi H.2, Kaneko M.2, Nishida Y.2, Koyama H.2, Takizawa T.2, Arakawa H.2

1Takasaki General Medical Center, Pediatrics, Takasaki, Japan, 2Gunma University Graduate School of Medicine, Pediatrics, Maebashi, Japan

### 561

**Relationship between atmospheric concentrations of Olea europaea L. pollen and aeroallergen Ole e 1**

Plaza M.P.1, Alcázár P.1, Galán C.1

1Universidad de Córdoba, Departamento de Botánica, Ecología y Fisiología Vegetal, Córdoba, Spain

### 562

**Purification and identification of major allergen in Alnus orientalis Decne. Pollen**

Alan S.1, Tekin I.O.2, Atalay F.1, Pinar N.M.4, Kocer F.1, Sahin S.1, Sarısahin T.1

1Bülent Ecevit University, Biology, Zonguldak, Turkey, 2Bülent Ecevit University, Immunology, Zonguldak, Turkey, 3Bülent Ecevit University, Department of Chest Diseases, Zonguldak, Turkey, 4Ankara University, Biology, Ankara, Turkey

### 563

**Aerobiologic study of allergenic pollens during the first monitoring season in Bucharest**

Leru P.M.1,2, Efthimiou A.-M.3, Thibaudon M.4

1Colentina Clinical Hospital, Bucharest, Romania, 2Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest, Romania, 3Colentina Clinical Hospital, Allergology, Bucharest, Romania, 4Service National de Surveillance Aerobiologique, Lyon, France

### 564

**Sensitisation to ragweed pollen in two region parts of Romania**

Bocsan I.C.1,2, Muntean A.3, Barbinta C.3, Tallian K.4, Deleanu D.3, Burzoianu A.D.3

1University of Medicine and Pharmacy, Cluj Napoca, Romania, 2Almedo Clinic, Cluj Napoca, Romania, 3Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute for the Public Sector in North Rhine-Westphalia, Düsseldorf, Germany, 4Reseau National de Surveillance Aerobiologique, Lyon, France

### 565

**Criteria to determine a pollen season – the French example**

Thibaudon M.1, Oliver G.1

1RNSA, Brussel, France

### 566

**Birch pollen: health indicator of climate change**

Thibaudon M.1, Monnier S.1

1RNSA, Brussel, France

### 567

**Lack of cross-reactivity between the Pooidaeae subfamily and Chloridoideae and Arundinoideae subfamilies of grasses**

López-Matas M.A.1, Gaig P.2, Viñas M.3, García-Moral A.4, Malet A.5, Labrador M.6, Alcoceba E.7, Carnés J.8

1Laboratorios Leti, R&D, Tres Cantos, Spain, 2Hospital Universitari Joan XXIII, Allergy Unit, Tarragona, Spain, 3Hospital de Terrassa, Allergy Unit, Terrassa, Spain, 4Hospital Clinic de Barcelona, Allergy Unit, Barcelona, Spain, 5Allergo Centre, Barcelona, Spain, 6Hospital Vall d’Hebron, Allergy Unit, Barcelona, Spain, 7Hospital Arnau de Vilanova, Allergy Unit, Lérida, Spain, 8Alimentaria, France

### 568

**Impact of atopy status and smoking habits on airway inflammation and oxidative stress in compost workers exposed to bioaerosols**

Hofmeyer E.1, van Kampen V.1, Deckert A.1, Neumann H.-D.2, Buxtrup M.2, Willer E.3, Felten C.1, Brüning T.1, Rauf M.1, Bünger J.1

1Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of the Ruhr-University Bochum (IPA), Bochum, Germany, 2German Social Accident Insurance, Institution for Transport and Traffic, Hamburg, Germany

### 569

**Allergen quantification by use of electrostatic dust collectors (EDCs) – influence of deployment time, extraction buffer and storage conditions on the results**

Sander I.1, Lotz A.1, Fleischer C.1, Zahradník E.1, Flagge A.1, Brüning T.1, Rauf M.1

1Institute for Prevention and Occupational Medicine, German Social Accident Insurance, Ruhr University Bochum (IPA), Bochum, Germany

### 570

**Marked disparity in environment, infections and prevalence of asthma and atopy between rural and urban children in China**

Yang Z.1, Feng M.1, Pan L.1, Xia X.1, Xian M.1, Huang X.1, Chen Y.1, Schröder F.C.4, Hoppenfosse M.2, Schaub B.1, Wong G.W.1, Li J.1

1Guangzhou Medical University, Guangzhou Institute of Respiratory Disease, Guangzhou, China, 2ALK A/S, Research Asia Pacific, Hong Kong, China, 3Guangdong Pharmaceutical University, Department of Internal Medicine, Guangzhou, China, 4LMU Munich, University Children’s Hospital Munich, Department of Pulmonary and Allergy, Munich, Germany, 5University of Eastern Finland, Department of Environmental Science, Kuopio, Finland, 6Chinese University of Hong Kong, Department of Paediatrics, Prince of Wales Hospital, Hong Kong, China
571 Influence of indoor air quality, lifestyle and personal choices on manifestation of allergic rhinitis symptoms among residents of an academic campus
Chauhan A.S.1, Gupta T.1,2
1Indian Institute of Technology Kanpur, Civil Engineering, Kanpur, India, 2Indian Institute of Technology Kanpur, Center for Environmental Science and Engineering, Kanpur, India

572 Correlation between skin prick test wheal sizes to 7 different pollen extracts in polysensitised patients in Spain
Subiza J.1, Fernández-Cáldas E.2, Pola J.3, Moral Á.4, Feo F.5
1Subiza Asthma and Allergy Centre, Madrid, Spain, 2Immunotek S.L., Madrid, Spain, 3Allergy Unit, Sagasta Polyclinic, Zaragoza, Spain, 4Virgen del Valle Hospital, Allergy Unit, Toledo, Spain, 5General Hospital, Allergy Unit, Ciudad Real, Spain

573 Impact of climate and anthropogenic air pollutant exposure on pollen allergenicity and allergic sensitisation
Beck I.1,2, Gilles-Stein S.1,2, Schneider A.1, Wolf K.1, Biernath C.J.1,2, Cyrys J.1, Klein C.1, Priesack E.1, Munch J.C.1,2, Peters A.1, Traild-Hoffmann C.1,2
1Institute of Environmental Medicine, UNIK-A, Technische Universität München, Munich, Germany, 2CK Care, Christine Kühne Center for Allergy Research and Education, Davos, Switzerland, 3Helmholtz Zentrum München, German Research Center for Environmental Health, Institute of Epidemiology II, Neuherberg, Germany, 4Helmholtz Zentrum München, Institute of Soil Ecology, Neuherberg, Germany

Poster Discussion Session (PDS 29) 13:30 – 15:00
Poster Discussion Zone 3

574 Patients with cutaneous non-immediate hypersensitivity reactions to drugs show a low expression of Tim3 during the acute phase of the reaction in skin and peripheral blood
Fernández T.D.1, Palomares F.1, Ariza A.2, Doña I.2, Salas M.2, Ruiz M.D.2, Blanca M.2, Torres M.J.2, Mayorga C.1,2
1IBIMA-Regional University Hospital of Málaga, Allergy Unit, Málaga, Spain, 2IBIMA-Regional University Hospital of Málaga, Allergy Service, Málaga, Spain

575 IgA and IgG antibodies directed against peptidoglycans must interfere in in-vitro assays for anti-penicillin specific IgE
de Boer D.1, Bons J.A.1, Nieuwhof C.A.2, Menheere P.P.1
1Maastricht University Medical Center, Central Diagnostic Laboratory, Maastricht, The Netherlands, 2Maastricht University Medical Center, Department of Internal Medicine, Immunology and Allergology, Maastricht, The Netherlands

576 Basophil activation test (BAT) in the diagnosis of immediate drug hypersensitivity to amoxicillin (AMX): comparison between children and adults
Barrié S.1, Mori F.1, Sarti L.1, Valleriani C.1, Mangone G.2, Testi S.1, Saretta F.1, Azzari C.2, November E.1
1Allergy Unit, A. Meyer Children's Hospital, Florence, Italy, 2A. Meyer Children's Hospital, Department of Pediatric, Florence, Italy, 3Allergy and Clinical Immunology Unit, San Giovanni di Dio's Hospital, Florence, Italy, 4A.A.S. 2 Bassa Friulana Palmanova's Hospital, Department of Pediatric, Udine, Italy

577 Ex-vivo challenge tests with NSAIDs. Analysis of the role of basophil activation test
Lopez-Salqueiro R.1, Martí Garrido J.1, Pacheco Coronel V.2, Arévalos Prettie J.2, Durán López B.1, Hernández Fernández de Rojas M.D.2
1Health Research Institute La Fe, Allergy, Valencia, Spain, 2University Hospital La Fe, Allergy, Valencia, Spain, 3University of Valencia, Biotechnology College, Valencia, Spain

578 The high impact of a suspicion of beta-lactam allergy in the clinical care of hospitalised patients: a case control study in a Dutch medical centre
van Dijk S.M.1, Gardarsdottir H.2, Wassenberg M.W.M.3, Oosterheert J.J.4, Roekmann H.1
1University Medical Center Utrecht, Department of Dermatology/Allergology, Utrecht, The Netherlands, 2University Medical Center Utrecht, Department of Clinical Pharmacy, Division Laboratory and Pharmacy, Utrecht, The Netherlands, 3University Medical Center Utrecht, Department of Medical Microbiology, Utrecht, The Netherlands, 4University Medical Center Utrecht, Department of Internal Medicine and Infectious Diseases, Utrecht, The Netherlands

579 Use of a herbal preparation Yin Qiao San for treatment of fever in children with hypersensitivity to paracetamol and non-steroidal anti-inflammatory drugs
Loh W.1, Liew W.K.1, Chiang W.C.1, Goh A.1, Lim H.H.1, Chay O.M.1, Kidon M.I.2
1KK Women's and Children's Hospital, Singapore, Singapore, 2Sheba Medical Center, Tel Hashomer, Israel

580 Comparison of immediate adverse reactions induced by low osmolar nonionic radiocontrast media in computed tomography
Kim D.H.1
1Yonsei University College of Medicine/Severance Medical Center, Department of Internal Medicine, Seoul, Republic of Korea

581 Turkish version of the drug hypersensitivity quality of life questionnaire: assessment of reliability and validity
Baybük S.1, Kepil Ozdemir S.2, Doganay Erdogan B.3, Karaboga I.4, Buyukozturk S.5, Gelincik A.6, Yılmaz I.7, Goksel O.7, Dursun A.B.8, Karakaya G.9, Kalyoncu A.F.10, Ozseker F.10, Pasaoglu Karakis G.11, Oner Erkekol F.12, Koycu G.12, Keren M.13, Baiardini I.14, Romano A.14
1Ankara University School of Medicine, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey, 2Adnan Menderes University School of Medicine,
Department of Internal Medicine, Division of Allergy and Immunology, Aydin, Turkey, 2Ankara University School of Medicine, Department of Biostatistics, Ankara, Turkey, 3Ankara University School of Medicine, Department of Psychiatry, Ankara, Turkey, 4Istanbul University, Istanbul Faculty of Medicine, Department of Internal Medicine, Division of Allergy and Immunology, Istanbul, Turkey, 5Erciyes University School of Medicine, Department of Chest Diseases, Division of Allergy and Immunology, Kayseri, Turkey, 6Ege University School of Medicine, Department of Pulmonary Medicine, Asthma and Allergy Unit, Izmir, Turkey, 7Recep Tayyip Erdogan University School of Medicine, Department of Internal Medicine, Division of Allergy and Immunology, Rize, Turkey, 8Hacettepe University School of Medicine, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey, 9Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Department of Chest Diseases, Division of Allergy and Immunology, Istanbul, Turkey, 10Independent Doctor, Istanbul, Turkey, 11Ataturk Chest Diseases and Thoracic Surgery Training and Research Hospital, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey, 12University of Genoa, Allergy & Respiratory Diseases Clinic – DIMI, IRCCS AOU San Martino-IST, Genoa, Italy, 13Complesso Integrato Columbus, Allergy Unit, Rome, Italy

Poster Discussion Session (PDS 30)

Hereditary angioedema

585 Characterising the safety and use of C1 inhibitor in routine clinical practice: interim results from a European Registry study
Aygören-Pürürün E.1, Magerl M.2, Martinez-Saquer I.3, Longhurst H.4, Caballero T.4, Straffan U.4, Staubach P.4, Martin L.5, Maurer M.5, Hamdani M.6, Andresen I.10, for the Cinryze Registry Study Group
1University Hospital Frankfurt, Department for Children and Adolescents, Angioedema Centre, Frankfurt, Germany, 2Charité-Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 3Hemophilia Centre Rhine Main GmbH, Mörfelden-Walldorf, Germany, 4Barts Health NHS Trust, Department of Immunology, London, United Kingdom, 5Hospital La Paz Institute for Health Research (IdiPaz), Biomedical Research Network on Rare Diseases (CIBERER, U 754), Madrid, Spain, 6Technische Universität München, Hals-Nasen-Ohrenklinik und Poliklinik, München, Germany, 7University Medical Center, Department of Dermatology, Mainz, Germany, 8CREA, French 'Centre de Référence des Angioédèmes à Kinines', Angers, France, 9Shire, Lexington, United States, 10Shire, Zug, Switzerland

587 Evaluation of adherence to treatment in patients with hereditary angioedema due to C1 inhibitor deficiency: a comparison of three alternative strategies
Squeglia V.1, Barbarino A.2, Gravante C.1, Bova M.1, Pietraro A.1, Di Paola N.3, Sponò R.3, Triggianni M.3, Manolaraki I.1, Marone G.1, Manoulakis E.1, Xepapadaki P.1, Papadopoulos N.G.1
1University of Naples Federico II, Department of Translation Medical Sciences, Naples, Italy, 2University of Naples Federico II, Department of Public Health, Naples, Italy, 3University of Naples Federico II, Department of Economics, Management, Institutions, Naples, Italy, 4University of Salerno, Department of Medicine, Salerno, Italy

588 Subcutaneous human C1-inhibitor (C1-INH) with recombinant human hyaluronidase (rHuPH2O) for the prevention of angioedema attacks in patients with hereditary angioedema (HAE): health-related quality of life (HRQoL) results from a randomised, double-blind, dose-ranging, crossover study
Weller K.1, Maurer M.1, Magerl M.1, Fridman D.3, Supina D.3, Schranz J.3
1Charité-Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 2AMF Consulting Inc., Los Angeles, CA, United States, 3Shire, Wayne, PA, United States
Clonal mast cell disorders and drug hypersensitivity

Symposium (SYM 52)

15:30 – 17:00

Clonal mast cell disorders and drug hypersensitivity

Auditorium

Chairs: David Gonzalez de Olano, Spain
Ingrid Terreehorst, The Netherlands

Mechanisms involved
Mariana Castells, United States

The European experience
Patrizia Bonadonna, Italy

PRO – Drug avoidance is mandatory
Knut Brockow, Germany

CON – Drug avoidance is mandatory
Lene Heise Garvey, Denmark

Tuesday, 9 June 2015

589 BIOBRAD: study for acute bradykinin and histaminemediated angioedema attacks biomarkers
Deroux A.1, Dumestre-Perard C.2, Vilgrain I.1, Boccon-Gibod I.1, Bouillet L.1
1CHU de Grenoble, Internal Medicine, 38700, France,
2CHU Grenoble, Immunology, Grenoble, France, 3UMR1036 INSERM- CEA, Grenoble, France

590 A new volume-reduced formulation of a plasma-derived C1 inhibitor concentrate reduces the time to treatment of acute hereditary angioedema attacks
Andritschke K.1, Martinez-Saguer I.1, Machnig T.2, Waldausser H.2, Pfeifer T.2
1HZRM Hemophilia Center Rhine Main, Mörfelden-Walldorf, Germany, 2CSL Behring GmbH, Marburg, Germany

591 Hereditary angioedema: clinical characteristics and response to attack treatment with Berinert® in the French Cohort COBRA
Bouillet L.1, COBRA Register
1Grenoble University Hospital, French National Reference Center for Angioedema, Grenoble, France

592 Hereditary angioedema with normal C1 inhibitor: an Italian case series
Bova M.1, Bafunno V.2, Barca M.P.3, Firinu D.3, Marone G.4, Montinaro V.4, Suffritti C.5, Triggiani M.3, Zanichelli A.5, Zoli A.5, Cicardi M.5
1University of Naples ‘Federico II’, Allergy and Clinical Immunology, Naples, Italy, 2University of Foggia, Medical Genetics, Foggia, Italy, 3University di Cagliari, Unit of Internal Medicine, Allergy and Clinical Immunology, Cagliari, Italy, 4University Aldo Moro, Division of Nephrology, Bari, Italy, 5University of Salerno, Medicine, Salerno, Italy, 6Ospedali Riuniti Ancona, SOD Immunologia Clinica e Tipizzazione Tessutale, Ancona, Italy

593 Hereditary angioedema with normal C1 inhibitor: prevalence, clinical features and treatment of patients in a University Hospital in Brazil
Aun M.V.1, Longen E.1, Portilho N.C.1, Agondi R.C.1, Kalil J.1, Motta A.A.1, Giavina-Bianchi P.1
1University of Sao Paulo School of Medicine, Clinical Immunology and Allergy Division, Sao Paulo, Brazil

594 Urticaria and angioedema as possible misleading skin symptoms in families with hereditary angioedema
Firinu D.3, Bafunno V.2, Barca M.P.3, Meleddu R.1, Pisanu M.1, Matolo A.1, Serra P.1, Manconi P.E.1, Margaglione M.2, Del Giacco S.R.1
1University of Cagliari, Department of Medical Sciences, Monserrato, Italy, 2University of Foggia, Medical Genetics, Department of Clinical and Experimental Medicine, Foggia, Italy

595 Difficulties encountered in emergency department in patients with hereditary angioedema
Ucar R.1, Arslan S.1, Baran M.2, Caliskaner A.Z.1
1Necmettin Erbakan University, Meram Faculty of Medicine, Department of Immunology and Allergic Disease, Konya, Turkey, 2Necmettin Erbakan University, Meram Faculty of Medicine, Department of Internal Medicine, Konya, Turkey

596 C1 esterase inhibitor concentrate for short-term prophylaxis in hereditary angioedema: findings from a large international registry
Craig T.1, Frank M.M.2, Lumry W.3, Shapiro R.4, Feuersenger H.5, Rojavin M.6
1Penn State Hershey Allergy, Asthma & Immunology, Hershey, United States, 2Duke University Medical Center, Durham, United States, 3Allergy Specialists, Dallas, United States, 4Midwest Immunology Clinic, Plymouth, United States, 5CSL Behring Biotherapies for Life, Marburg, Germany, 6CSL Behring, King of Prussia, United States

597 Current manifestations, diagnosis and treatment of hereditary angioedema (HAE): survey data from ninety-four physicians in Japan
Ohsawa I.1, Honda D.2, Hisada A.1, Shimamoto M.1, Inoshita H.1, Mano S.1, Tomino Y.1
1Juntendo University Faculty of Medicine, Division of Nephrology, Internal Medicine, Tokyo, Japan

598 Adverse events in patients treated with attenuated androgens for the long term prophylaxis of hereditary angioedema
Leonart R.1, Andrés B.1, Vallano A.2, Girbau A.3, M Corominas M.1
1Hospital Universitari de Bellvitge, Allergology, L’Hospitalet de Llobregat, Spain, 2Hospital Universitari de Bellvitge, Pharmacology, L’Hospitalet de Llobregat, Spain, 3Hospital Universitari de Bellvitge, Hepatology, L’Hospitalet de Llobregat, Spain

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Symposium (SYM 53)  15:30 – 17:00
Unraveling new targets for Allergen Immunotherapy (AIT)
Room 211

Chairs:
Stephen Durham, United Kingdom
G. Walter Canonica, Italy

Allergen hybrids
Barbara Bohle, Austria

Chemical modifications of allergens reducing IgE reactivity but not T cell reactivity
Edward Knot, The Netherlands

Blocking IL-4 in combination with Allergen Immunotherapy (AIT)
Adam Chaker, Germany

Symposium (SYM 54)  15:30 – 17:00
Important aspects of venom immunotherapy (VIT)
Room 111

Chairs:
Hanneke Oude-Elberink, The Netherlands
Gunter Sturm, Austria

Risk factors for severe anaphylaxis and side effects during VIT
Beatrice Bilò, Italy

Children are not small adults – differences and similarities during VIT
Ewa Cichocka-Jarosz, Poland

PRO – Sting challenge is useful
Carmen Moreno Aguilar, Spain

CON – Sting challenge is useful
Franziska Ruéff, Germany

Symposium (SYM 55)  15:30 – 17:00
Component Resolved Diagnosis (CRD): the big picture
Room 114

Chairs:
Claude Favrot, Switzerland
Karin Hoffmann-Sommergruber, Austria

How CRD has changed concepts in allergic diseases
Rudolf Valenta, Austria

CRD in food allergy diagnosis
Laury Masthoff, The Netherlands

CRD and specific immunotherapy
Joaquin Sastre, Spain

Symposium (SYM 56)  15:30 – 17:00
Severe asthma in children
Room 117

Chairs:
Teresa Garriga, Spain
Ulrich Wahn, Germany

Risk factors
Ömer Kalayci, Turkey

Diagnostic tools
Petr Pohunek, Czech Republic

Severe asthma in children
Sejal Saglani, United Kingdom
### Hot Topic (HT 4)  15:30 – 17:00

**Primary to secondary prevention**

**Chairs:** Matthew Greenhawt, United States  
David Fleischer, United States

**LEAP lessons – acceptability and safety**  
George du Toit, United Kingdom

**Guidelines**  
Susanne Halken, Denmark

**Health consequences, impact**  
Jonathan Hourihane, Ireland

### Workshop (WS 5)  15:30 – 17:00

**e-Health technology in allergy**  
**Rooms 120 –121**

**Chairs:** Paolo Matricardi, Germany  
Jeroen Buters, Germany

**@llergy and @llergists in the internet era**  
Angel Mazon, Spain

**Symptoms forecast of pollen allergies**  
Uwe Berger, Austria

**e-Health and adherence to treatment in allergy**  
Juliet Foster, Australia

*This session is strictly limited to 60 attendees. Arrive early to guarantee your entry.*

### Sister Society Symposium (SSS 9)  15:30 – 17:00

**APAPARI Symposium: The global problem of allergies – possible answers from the Asia-Pacific**  
**Room 113**

**Chairs:** Bee Wah Lee, Singapore  
Suwat Benjaponpitak, Thailand

**Early environmental determinants of allergy – a perspective from the Asia-Pacific**  
Susan Prescott, Australia

**Childhood food allergies in Asia: more than just milk and eggs**  
Motohiro Ebisawa, Japan

**The asthma epidemic in the Western world – possible answers from Asia**  
Gary Wong, Hong Kong, China

### Year in Review (YIR 6)  15:30 – 17:00

**Dermatology**  
**Room 212**

**Chairs:** Marta Ferrer, Spain  
Werner Aberer, Austria

**Biologicals for skin diseases**  
Onur Boyman, Switzerland

**Management of angioedema**  
Massimo Triggiani, Italy

**Autoinflammatory diseases**  
Juan Ignacio Arostegui, Spain
Tuesday, 9 June 2015

Oral Abstract Session (OAS 33)  15:30 – 17:00

Mechanisms in asthma

Chairs: Hermelijn Smits, The Netherlands
        Eugene Bleecker, United States

Immunological phenotypes of asthma

Eugene Bleecker, United States

194 Exosomal microRNA-17 and -21 in murine experimental and human paediatric asthma

Bartel S.1,2, Schulz N.2, Schamberger A.C.2, Alessandrini F.2, Noessner E.3, Stick S.M.4,5,6, Kicic A.5,6,7, Eickelberg O.2, Freishtat R.J.8, Krauss-Etschmann S.1,2,3

1Leibniz Center for Medicine and Biosciences, Research Center Borstel, Borstel, Germany, 2Helmholtz Center Munich, Comprehensive Penumology Center, Munich, Germany, 3Helmholtz Center Munich, Institute of Molecular Immunology, Munich, Germany, 4Children’s National Medical Center, Division of Emergency Medicine, Washington DC, United States, 5Christian-Albrechts University of Kiel, Institute for Experimental Medicine, Kiel, Germany

195 Mitochondrial fusion is induced by mitochondrial ROS in Aspergillus fumigatus-induced severe eosinophilic asthma

Kim S.R.1, Lee Y.C.1, Park H.J.1, Kim D.I.1, Kim S.H.2

1Chonbuk National University Medical School, Jeonju, Republic of Korea, 2LG Life Sciences Ltd, Seoul, Republic of Korea

196 Sensitisation to the cat allergen component Fel d 4 is independently related to the degree of inflammation in young asthmatics

Tsolakis N.1, Malinovschi A.2, Lidholm J.3, Nordvall L.1, Janson C.2, Borres M.1,2, Alving K.1

1Uppsala University, Women’s and Children’s Health, Uppsala, Sweden, 2Uppsala University, Medical Sciences, Uppsala, Sweden, 3Thermo Fisher Scientific, Uppsala, Sweden

197 Cytoplasmic DNA induces MUC5AC expression in human bronchial epithelial cells

Takizawa T.1, Alzawa A.1, Orosoo S.1, Yagi H.1, Nishida Y.1, Arakawa H.1

1Gunma University Graduate School of Medicine, Pediatrics, Maebashi, Japan

198 Macrophage-derived chemokine (MDC) is increased in nasal washes from wheezing children with positive tests for rhinovirus

Heymann P.W.1, Word C.R.1, Soto-Quiros M.2, Avila L.3, Carper H.T.1, Murphy D.D.1, Steinke J.W.1, Kennedy J.L.1, Platts-Mills T.A.1

1University of Virginia Health Systems, Pediatrics, Charlottesville, VA, United States, 2Hospital Nacional de Ninos, San Jose, Costa Rica, 3University of Arkansas for Medical Sciences, Little Rock, AR, United States

Oral Abstract Session (OAS 34)  15:30 – 17:00

Management of food allergy

Chairs: Kirsten Beyer, Germany
        Anna Nowak-Wegrzyn, United States

What are the current indications for OIT?

Kirsten Beyer, Germany

199 Frequency, severity and consequences of unexpected allergic reactions to food: a prospective study

Michelsen-Huisman A.1, Os-Medendorp H.V.1, Versluis A.1, Kruizinga A.2, Castenmiller J.3, Noteborn H.3, Houben G.2, Knulst A.1

1UMC Utrecht, Dermatology and Allergology, Utrecht, The Netherlands, 2The Netherlands Organisation for Applied Scientific Research (TNO), Zeist, The Netherlands, 3The Netherlands Food and Consumer Product Safety Authority (NVWA), Utrecht, The Netherlands

200 What is long term prognosis after liver transplantation in children with food allergy?

Ozbek O.1, Koksal B.1, Ozcan F.2

1Baskent University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey, 2Baskent University Faculty of Medicine, Pediatric Gastroenterology, Ankara, Turkey
202 Oral immunotherapy for egg allergy: a double blind placebo controlled study, with post-desensitisation follow-up
Caminiti L.1, Pajno G.B.1, Crisafulli G.1, Chiera F.1, Collura M.2, Panasci G.1, Ruggeri P.1, Gusliello F.1, Passalacqua G.2
1Allergy Unit, Department of Pediatrics, Messina, Italy, 2Ammas Children Hospital, Cystic Fibrosis and Respiratory Pediatric Center, Palermo, Italy

203 Long-term efficiency of oral immunotherapy for peanut allergy in children
Launois C.1, Sabouraud D.2, Abely M.2, Lebargy F.1, Deslee G.1, Perotin J.-M.1
1Department of Respiratory Diseases, University Hospital, Reims, France, 2Pediatric Unit, University Hospital, Reims, France

204 Tolerance acquisition in children with IgE-mediated cow’s milk allergy is characterised by a different Th1 and Th2 cytokines DNA methylation pattern
Berm Canani R.1,2, Paparo L.1, Nocerino R.1, Cosenza L.1, Pezzella V.1, Di Costanzo M.1, Capasso M.3,4, Del Monaco V.3,4, D’Argenio V.3,4, Amoroso A.1, Amato F.1, Greco L.1,2
1University of Naples ‘Federico II’, Department of Translational Medical Science, Naples, Italy, 2University of Naples ‘Federico II’, European Laboratory for the Investigation of Food-Induced Diseases, Naples, Italy, 3University of Naples ‘Federico II’, Department of Molecular Medicine and Medical Biotechnologies, Naples, Italy, 4CEINGE-Biotecnologie Avanzate s.c.ar.l., Naples, Italy

OAS 35 15:30 – 17:00
Importance of T and B cells

Chairs: Carsten Schmidt-Weber, Germany
Mübeccel Akdis, Switzerland

211 Identification of new cell surface proteins on human naive CD4+ T-cells potentially involved in the early T-cell activation
1Technische Universität München and Helmholtz Center München, ZAUM-Center of Allergy and Environment, Munich, Germany, 2Helmholtz Centre Munich, Research Unit Protein Science, Neuherberg, Germany, 3Technische Universität München, Department of Informatics, Bioinformatics & Computational Biology 112, Munich, Germany, 4Helmholtz Centre Munich, Institute of Virology, Neuherberg, Germany, 5University Clinic Tübingen, Institute of Medical Virology and Epidemiology of Viral Diseases, Tübingen, Germany, 6Helmholtz Centre Munich, Institute of Computational Biology, Neuherberg, Germany, 7Helmholtz Centre Munich, Institute for Molecular Immunology, Neuherberg, Germany, 8Helmholtz Centre Munich, Institute for Allergy Research, Neuherberg, Germany

212 House dust mite-specific T cells display a Th2, Th17, and Th2/Th17 phenotype in atopic dermatitis
Roesner L.M.1, Heratizadeh A.2, Begemann G.1, Kienlin P.1, Hradetzky S.3, Niebuhr M.4, Eiz-Vesper B.4, Hennig C.4, Hansen G.4, Baron-Bodo V.5, Moingeon P.6, Werfel T.7
1Hannover Medical School, Division of Immunodermatology and Allergy Research, Department of Dermatology and Allergy, Hannover, Germany, 2Hannover Medical School, Department of Transfusion Medicine, Hannover, Germany, 3Hannover Medical School, Department of Pediatric Immunology, Allergology and Pneumology, Hannover, Germany, 4Stallergenes S.A., Antony, France

213 Identification of T cell epitopes from the Blomia tropicalis allergen, Blo t 5 using a DNA vaccine and suppression of the asthmatic response using allergen peptide
Wong H.S.1, Zhou Q.1, Chua Y.L.1, Grotenbreg G.M.1, Kemeny D.M.1
1National University of Singapore, Immunology Programme, Singapore, Singapore

214 IL-25 and IL-33-responsive oligoclonal Th2 cells characterise nasal polyps with Th17 as the default signature in healthy nasal mucosa
Lam F.P.S.1,2, Karivawasam H.H.2,3, Rana B.M.J.4,5, Durham S.R.2,3, Mckenzie A.N.1,4, Powell N.4, Rimmer J.1,2, Lund V.J.2,3, Cousins D.J.2,7, Till S.J.1,2
1King’s College London, Division of Asthma, Allergy & Lung Biology, London, United Kingdom, 2MRC & Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom, 3Royal National Throat Nose Ear Hospital, University College London, Allergy and Medical Rhinology Section, London, United Kingdom, 4Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom, 5Imperial College London, Section of Allergy and Clinical Immunology, London, United Kingdom, 6King’s College London, Division of Transplantation Immunology and Mucosal Biology, London, United Kingdom, 7University of Leicester, Department of Infection, Immunity and Inflammation, Leicester, United Kingdom

215 B cell developmental stage dependent ontogeny of human IgE-B cell responses and their differentiation into IgE-secreting plasma cells
Ramadan P.1, Bowen H.1, Upton N.1, Hobson P.1, Chan Y.-C.1, Fear D.1, Sutton B.1, Gould H.1
1King’s College London, Asthma and Allergy, Randall Division of Cell & Molecular Biophysics, London, United Kingdom
216 Allergen-specific B-cell subsets in healthy and allergic individuals

van de Veen W.1, Wirz O.F.1, van Splunter M.1, Ochsner U.1, Fonseca R.1, Stanic B.1, de Jong M.A.W.P.2, Spits H.2, Akdis C.A.1, Akdis M.1

1Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos, Switzerland, 2Academic Medical Center, Tytgat Institute for Liver and Intestinal Research, Amsterdam, The Netherlands

Poster Discussion Session (PDS 31)

Safety and efficacy of AIT

599 Clinical relevance of the SQ HDM SLIT-tablet in patients with moderate-severe house dust mite allergic rhinitis

Demoly P.1, Mosbech H.2, Hansen B.3, Rehm D.3, Krčmová I.4, Kleine-Tebbe J.3

1Department of Pulmonology - Division of Allergy, Hôpital Arnaud de Villeneuve, University Hospital of Montpellier, Paris, France, 2Allergy Clinic, Copenhagen University Hospital Gentofte, Gentofte, Denmark, 3ALK, Hørsholm, Denmark, 4Institute of Clin.Immunology/Allergology, Faculty Hospital (Charles University) Hradec Králové, Czech Republic

600 Safety of a 300IR house dust mite sublingual immunotherapy (SLIT) solution in patients with moderate, persistent asthma

Devillier P.1, Fadel R.2, de Beaumont O.2

1Foch Hospital, UPRES EA 220, Suresnes, France, 2Stallergenes, Antony, France

601 Treatment satisfaction during sublingual immunotherapy with a 5-grass pollen tablet for allergic rhinoconjunctivitis: a prospective, non-interventional study

Hadler M.1, Karagiannis E.1

1Stallergenes GmbH, Kamp-Lintfort, Germany

602 Safety of the 5-grass pollen sublingual tablet for the treatment of grass pollen-induced allergic rhinoconjunctivitis in subjects with and without asthma

Zeldin R.K.1, Cognet-Sicé J.1, Abiteboul K.1

1Stallergenes S.A., Antony, France

603 Efficacy of sublingual allergen immunotherapy on ragweed allergic patients. Open, controlled, one year follow up clinical study

Balogh K.1, Mohácsi E.2

1Buda Allergy Center, Allergology, Budapest, Hungary, 2St. John’s Hospital, Allergology, Budapest, Hungary

604 Safety of subcutaneous immunotherapy with inhalant allergen extracts: a single-centre 30-year experience from Turkey

Kartal O.1, Gulec M.1, Caliskaner Z.2, Musabak U.1, Sener O.1

1Gulhane Military Medical Academy and Medical School, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Necmettin Erbakan University Meram Medical Faculty, Division of Immunology and Allergy, Konya, Turkey

605 A double-blind, placebo-controlled study of allergen immunotherapy with depigmented-polymerised Phleum pratense pollen extract in allergic rhinoconjunctivitis, a placebo-based analysis

Sánchez Alonso A.1, Carretero Anibarro P.2, Mencia Bartolomé J.3, Cerecedo Carballo J.4, Mirano Oyarzabál A.4, Gómez Sánchez M.J.4, Levich Merán R.4

1Hospital Universitario Río Hortega, Allergy Department, Valladolid, Spain, 2Hospital Universitario de Burgos, Allergy Department, Burgos, Spain, 3Hospital El Bierzo, Allergy Department, Ponferrada, Spain, 4Laboratorios Leti, Tres Cantos, Spain

606 A prospective observational post-authorisation study of the safety, tolerability and effectiveness of Acarivac Plus: a modified, mite allergoid subcutaneous immunotherapy powered by MCT technology

Roger A.1, Deprez N.1, Jurgens Y.1, Heath M.D.2, Mwangi J.D.2, García G.2, Skinner M.A.2

1Hospital Universitari Germans Trias Pujol, Unitat d’Allèrgia, Barcelona, Spain, 2Allergy Therapeutics Plc, Worthing, United Kingdom

607 Pollen season as a risk factor for systemic reactions due to allergen immunotherapy. Results of a 10 years long, real life, prospective study

Pitsios C.1, Dimitriou A.2, Lefousis C.3, Giannakopoulos D.4, Kouri M.3, Ergazakis M.5, Vartholomaisos S.5

1Private Practice, Athens, Greece, 2Private Practice, Chalkida, Greece, 3Private Practice, Volos, Greece, 4Private Practice, Piraeus, Greece, 5Private Practice, Irakleon, Greece

608 Allergic reactions during the maintenance dose of allergen immunotherapy: risk factors related to pollen extracts

Dimtriou A.1, Ergazakis M.2, Lefousis C.3, Vartholomaisos S.4, Giannakopoulos D.5, Kouri M.1, Pitsios C.6

1Private Practice, Chalkida, Greece, 2Private Practice, Irakleon, Greece, 3Private Practice, Volos, Greece, 4Private Practice, Piraeus, Greece, 5Private Practice, Athens, Greece, 6Private Practice, Irakleon, Greece

609 Quantitative benefit and risk assessment of SQ HDM SLIT-tablet; results from a DBPC phase III trial in allergic asthma

Kleine-Tebbe J.1, de Blay F.2, Fernandez F.R.3, Ljørring C.4, Peter F.5, Riis B.5, Durham S.6

1Allergy & Asthma Center Westend, Outpatient Clinic & Research Center, Berlin, Germany, 2St. John’s Hospital, Allergology, Budapest, Hungary, 3Stallergenes GmbH, Kamp-Lintfort, Germany, 4Department, Burgos, Spain, 5Hospital El Bierzo, Allergy Department, Ponferrada, Spain, 6Allergy Therapeutics Plc, Worthing, United Kingdom
Does specific IgE (sIgE) or the skin prick test (SPT) predict the response of birch pollen allergic patients exposed to birch pollen (Betula pendula) in an environmental challenge chamber (ECC)?

Homolla V., Aaboja Y., Karjalainen M., Narkus A., Häfner D.
1 Allergopharma GmbH & Co. KG, Reinbek, Germany
2 Imperial College London, London, United Kingdom

Significance of extending the diagnostic algorithm for sIgE to rApi m1, rVES V5 and CCD (MUXF3) in patients with hymenoptera sting allergy: importance for selecting insect venom species for allergen-specific immunotherapy

Blagojevic G., Vuckovic O., Arsenijevic J., Bonaci-Nikolic B.
1 Institute for Virology, Sera and Vaccines, Torlak, Allergology and Immunology Diagnostic Laboratory, Belgrade, Serbia

Two different Gaussian distributions of specific IgG for milk in the Italian population: IgG levels can reflect nutritional profiles

Speciani A., Piuri G., Soriano J., Ferrazzi E.
1 GEK Srl, Food Intolerances Department, Milan, Italy
2 Duke University, Department of Statistical Science, Durham, United States
3 University of Milan, Dept Woman, Mother and Neonate - Buzzi Children’s Hospital. Biomedical Sciences School of Medicine, Milan, Italy

The natural history of peanut allergy over the first 10 years of life

Venter C., Patil V., Grundy J., Glasby G., Arshad H., Dean T.
1 University of Portsmouth, SHSSW, Portsmouth, United Kingdom
2 The David Hide Asthma and Allergy Research Centre, Newport, United Kingdom
3 University of Southampton Faculty of Medicine, Southampton, United Kingdom

Epidemiology and clinical features of legume allergy in adults

Somoza M., Blanca-López N., Pérez-Alzate D., Ruano F., Vázquez de la Torre M., García-Martín M., Canto G.
1 Infanta Leonor - University Hospital, Allergy, Madrid, Spain
2 Institute for Allergology and Clinical Immunology, Clinical Center of Serbia, Belgrade, Serbia

Safety and efficacy of 3-injection immunotherapy protocol for treating grass pollen-induced rhinoconjunctivitis in American adolescents/young adults

Patterson A., Bonney A., Shiels, I.W., Erwin E.
1 Nationwide Children’s Hospital/The Ohio State University, Allergy/Immunology, Columbus, United States
3 Nationwide Children’s Hospital/The Ohio State University, Adolescent Medicine, Columbus, United States
4 Nationwide Children’s Hospital/The Ohio State University, Diagnostic Radiology, Columbus, United States

Safety and quality of ultrasound-guided intralymphatic allergen specific immunotherapy

Skaarup S.H., Schmid J.M., Graumann O., Skjold T., Hoffmann H.J.
1 Aarhus University Hospital, Pulmonary Medicine, Aarhus, Denmark
2 Aarhus University Hospital, Radiology, Aarhus, Denmark

Environmental analysis of specific peanut allergens in house dust indicates high prevalence of Ara h 2 and Ara h 6

Kuklinska-Pijanka A., Fuller N.-J., Custovic A., Chapman M.D., Hindley J.P.
1 INDOOR Biotechnologies Ltd, Cardiff, United Kingdom
2 University of Manchester, Institute of Inflammation and Repair, Manchester, United Kingdom

A novel approach to food challenge documentation and evaluation

1 Charité - Universitätsmedizin Berlin, Institute for Social Medicine, Epidemiology and Health Economics, Berlin, Germany
2 Charité - Universitätsmedizin Berlin, Department of Paediatric Pneumology and Immunology, Berlin, Germany
3 University of Athens, Allergy Department, 2nd Pediatric Clinic, Athens, Greece
4 Landspital University Hospital, Department of Immunology, Reykjavik, Iceland
5 Medical University of Lódz, Department of Clinical Immunology & Allergy, Lódz, Poland
6 JCS Perspektvyos Allergy Clinic, Vilnius, Lithuania
7 Emma Children’s Hospital AMC, Department of Paediatric Respiratory Medicine and Allergy, Amsterdam, The Netherlands
8 Hospital La Paz Institute for Health Research (IdIPAZ) and CIBER of Respiratory Diseases CIBERES, Department of Allergy, Madrid, Spain
9 University of Southampton, Paediatric Allergy and Respiratory Medicine, Southampton, United Kingdom
Tuesday, 9 June 2015

620 The effect of folic acid supplementation before conception on the onset of food allergies in infants
Abe M.1
1Oita University of Nursing and Health Sciences, Human Biology, Oita, Japan

621 Assessment of allergy to cow’s milk, hen’s egg, cod, and wheat in a population-based cohort of Swedish schoolchildren
Winberg A.1, West C.E.1, Strinnholm Å.2, Nordström L.1, Hedman L.2, Rönnmark E.2
1Umeå University, Clinical Sciences, Pediatrics, Umeå, Sweden, 2Umeå University, Public Health and Clinical Medicine, the OLIN Unit, Umeå, Sweden

622 Is food allergy increasing in Hong Kong Chinese children?
Leung T.F.1, Sy H.Y.1, Tsen C.S.1, Tang M.F.1, Wong G.WK.1
1Chinese University of Hong Kong, Department of Paediatrics, N.T., Hong Kong, China

623 Self-reported adverse reactions and IgE sensitisation to common foods in adults with asthma
Rentzos G.1,2, Johanson L.3, Sjölander S.4, Lundbäck B.3, Telemo E.3, Ekerljung L.3
1Section of Allergology Sahlgrenska University Hospital, Gothenburg, Sweden, 2Dept of Rheumatology and Inflammation Research, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden, 3Krefting Research Centre, University of Gothenburg, Dept of Internal Medicine and Clinical Nutrition, Gothenburg, Sweden, 4R&D, ImmunoDiagnostics, Thermofisher Scientific, Uppsala, Sweden

624 IgE to peanut in a low-risk population: the PIAMA cohort. Pollen cross-reactivity is poorly predicted by IgE to pollen or by the absence of IgE to Ara h 2
Aalberse R.1, van Leeuwen A.2, Wijga A.H.3, Brunekeef B.4, PIAMA Birth Cohort Study Group

625 Asymmetrical distribution of specific IgG for peanut in the Italian population: an epidemiological perspective
Piuri G.1, Speciani A.F.3, Soriano J.2, Ferrazzi E.1
1GEK Srl, Food Intolerances Department, Milano, Italy, 2Duke University, Department of Statistical Science, Durham, United States, 3University of Milan, Dept Woman, Mother and Neonate - Buzzi Children’s Hospital. Biomedical Sciences School of Medicine, Milan, Italy

Poster Discussion Session (PDS 33)

Drug allergy: clinical aspects

627 Evaluation of drug provocation test related anxiety and possible related factors caused in patients with drug hypersensitivity
Soyviet S.1, Aydin O.1, Yılmaz İ.1, Özdemir S.K.1, Cankorur V.Ş.2, Atbaşoğlu C.1, Çelik G.1
1Ankara University, School of Medicine, Department of Immunology and Allergic Diseases, Ankara, Turkey, 2Ankara University, School of Medicine, Department of Psychiatry, Ankara, Turkey

628 Drug allergy – results from drug provocation database in a Danish allergy clinic
Fransson S.1, Mosbch H.1, Kappel M.1, Kvisselgaard A.D.1, Heinig J.H.1, Winther L.1, Plaschke P.1, Johnsen C.1, Halkjær L.B.1, Torsnes L.1, Elberling J.1, Garvey L.H.1
1Copenhagen University Hospital Gentofte, Allergy Clinic, Hellerup, Denmark

629 Selective hypersensitivity to cefazolin – contribute of the basophil activation test
Almeida J.P.1, Lopes A.1, Caiado J.1, Melo A.2, Santos M.C.2, Barbosa M.1
1Santa Maria Hospital, Department of Immunology, Lisbon, Portugal, 2Laboratory of Clinical Immunology, Institute of Molecular Medicine, Faculty of Medicine of Lisbon, Lisbon, Portugal

630 Trends in admissions for drugs anaphylaxis and for fatal drug anaphylaxis in the Spanish hospitals system (1998-2011)
Peña Acevedo Y.1, Jimenez Ruiz C.E.1, Nieto Nieto A.M.1, Córdova Ramos G.1, Rodriguez Alvarez M.1, Tobón Franco J.D.1, Macías Iglesias J.1, Tejedor Alonso M.A.1
1Hospital Universitario Fundación Alcorcon, Alergology, Alcorcon, Spain

631 Direct priming of mast cells with antihypertensive drugs – implications for the severity of anaphylaxis
Nassri M.1, Babina M.1, Worm M.1
1Allergy-Center-Charité, Charité Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany

632 NSAID-s-exacerbated respiratory disease in adolescents
Ertoy Karagol H.1, Yılmaz O.1, Topal E.1, Ceylan A.2, Bakirtas A.1
1Gazi University School of Medicine, Pediatric Allergy and Asthma, Ankara, Turkey, 2Gazi University, School of Medicine, Department of Otorhinolaryngology Head & Neck Surgery, Ankara, Turkey

Poster Discussion Zone 3
15:30 – 17:00

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633 Sensitisation to paracetamol in patients with intolerance to NSAIDs
Barasosa Villarejo M.J.¹, García Nuñez J.², Moreno Aguilar C.¹
¹Hospital Universitario Reina Sofia, Allergology, Córdoba, Spain, ²Hospital Quirón, Málaga, Spain

634 Evaluation of diagnostics in patients with suspected allergic reactions during anaesthesia in The Netherlands
Perum M.S.¹, Nederhoff V.C.¹, Oude Elberink J.N.G.², van Maaren M.S.³, Tupker R.A.⁴, de Jong N.W.³, Dhaliwal R.², Rockmann H.¹
¹UMC Utrecht, Dermatology/Allergology, Utrecht, The Netherlands, ²UMCG, Allergology, Groningen, The Netherlands, ³Erasmus MC, Allergology, Rotterdam, The Netherlands, ⁴St. Antonius Hospital, Dermatology, Nieuwegein, The Netherlands

635 Diagnosis of allergy against beta-lactams in primary care: prevalence and diagnostic criteria
Salden O.A.E.¹, Rockmann H.², Verheij T.J.M.¹, Broekhuizen B.D.L.¹
¹University Medical Center Utrecht, Julius Center for Health Sciences and Primary Care, Utrecht, The Netherlands, ²University Medical Center Utrecht, Department of Dermatology and Allergology, Utrecht, The Netherlands

636 Nabumetone... a safe alternative NSAID for intolerant patients?
de la Osa Puebla V.¹, Sánchez Matas I.¹, Tapia de Pedro G.¹, Villalba Lorenzo E.¹, Senent Sánchez C.¹
¹Hospital Virgen del Valle, Allergy, Toledo, Spain

637 Infusion reactions to antineoplastic drugs (platines & taxanes) and re-administration with the standardised 12-step protocol: the Greek experience
Kavogiannakis N.¹, Potika M.¹, Kontogiorgaki I.¹, Aqgelides X.¹, Tyligada A.¹, Makris M.¹
¹Drug Allergy Outpatient Clinic, Allergy Unit ‘D’, Kalogeromitros’, 2nd Dpt of Dermatology and Venereology, Medical School, University of Athens, Athens, Greece

638 Comparison of basophil activation test (BAT) and skin testing performances in the assessment of neuromuscular blocking drug-induced allergy
Dewachter P.¹, Chollet-Martin S.², Mouren-Fairev C.⁴, de Chaisemartin L.¹, Nicaise-Roland P.¹
¹APHP, Paris, France, ²INSERM UMR-S970, Paris, France, ³INSERM UMR5996, Châténay-Malabry, France, ⁴CHU, Nancy, France

639 Anaphylactic reactions occurring during anaesthesia
Aquilar R.¹, Lopes A.¹, Fernandes N.P.¹, Pereira-Barbosa M.A.¹
¹Hospital de Santa Maria - Centro Hospitalar Lisboa Norte, Immunology and Allergy, Lisbon, Portugal

640 Anqioedema triggered by medication blocking the renin/angiotensin system: retrospective study using the French national pharmacovigilance database
Faisant C.¹, Bouillet L.¹, Boccon Gibod I.²
¹Grenoble Alpes University, La Tronche, France, ²CHU Grenoble, La Tronche, France

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**Poster Discussion Session (PDS 34)**

**Biomarkers in asthma**

**Chairs:** Maria Alvarez-Puebla, Spain  
Sven Seys, Belgium

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641 Prevalence and overlap of asthma phenotypes in a general asthma population
Tran T.N.¹, Ward C.K.²
¹AstraZeneca, Observational Research Center, Gaithersburg, United States, ²MedImmune, Translational Medicine, Gaithersburg, United States

642 New biomarkers for the diagnosis and prognosis of asthma
Banos S.¹, Calzada D.¹, Quiralt J.², Florido F.³, Lahoz C.¹, Cárdaba B.¹,  
¹IIS-Fundación Jiménez Díaz-UAM, Immunology, Madrid, Spain, ²Hospital Universitario Virgen del Rocío, Allergy, Sevilla, Spain, ³Hospital Universitario San Cecilio, Allergy, Granada, Spain

643 ACOS and asthma patients have similar levels of remodeling markers and basement membrane thickness
Regateiro F.S.¹,²,³, Robalo-Cordeiro C.,⁴ Pereira C.⁴,⁵,⁶
¹Coimbra University Hospital Centre, Service of Clinical Immunology and Allergy, Coimbra, Portugal, ²University of Coimbra, Institute of Immunology, Coimbra, Portugal, ³Coimbra University Hospital Centre, Service of Pneumology, Coimbra, Portugal, ⁴University of Coimbra, Centro de Pneumologia, Coimbra, Portugal, ⁵Faculty of Medicine, University of Coimbra, CIMAGO, Coimbra, Portugal, ⁶Faculty of Medicine, University of Coimbra, Clinical Immunology, Coimbra, Portugal

644 Key to early prediction of bronchal asthma in children at risk using cytokines
Abd Al-Aziz A.M.¹, Motawet A.A.¹, Abou El-Ezz A.A.², Salama E.E.², Awad M.A.M.², Hasam N.S.²
¹National Research Centre, Pediatrics, Cairo, Egypt, ²Faculty of Medicine, Cairo University, Pediatrics, Cairo, Egypt

645 The meaning of serum soluble CD93 level in asthmatics: a possibility to be a novel biomarker for allergic inflammation
Park H.J.¹,², Park Y.H.², Han H.², Kim J.¹,², Park K.H.¹,², Park J.-W.¹,², Lee J.-H.¹,²
¹Division of Allergy and Immunology, Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, ²Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

646 The combination of elevated FeNO and blood eosinophils relates to poorer asthma control in young patients with allergic asthma
Malinovschi A.¹, Janson C.¹, Borres M.², Nordvall L.², Alving K.²
¹Uppsala University, Medical Sciences, Uppsala, Sweden, ²Uppsala University, Women’s and Children’s Health, Uppsala, Sweden

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**Poster Discussion Zone 4**

15:30 – 17:00
Periostin in exhaled breath condensate of patients with asthma and chronic obstructive pulmonary disease

Wardzyńska A.1, Makowska J.S.1, Piechota-Polańczyk A.1, Jabłońska A.1, Jarzębska M.1, Kowalski M.L.1

1Medical University of Łódź, Department of Clinical Immunology, Rheumatology and Allergy, Healthy Ageing Research Centre, Łódź, Poland

Induced sputum contaminated by saliva can be used in assessing eosinophilic airway inflammation

Lee B.-J.1, Yune S.1, Lee J.-Y.2, Choi D.-C.1

1Samsung Medical Center, Department of Medicine, Seoul, Republic of Korea, 2Samsung Medical Center, Center for Health Promotion, Seoul, Republic of Korea

An inverse association between elafin protein and adult asthma

Tseng Y.T.1, Tsai Y.S.1, Lin M.C.2, Wu C.C.1, Wang T.N.1

1Kaohsiung Medical University, Kaohsiung, Taiwan, 2Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

The impact of angiomotin and angiostatin on bronchial asthma


1Soonchunhyang University Bucheon Hospital, Internal Medicine, Bucheon, Republic of Korea, 2Soonchunhyang University Bucheon Hospital, Bucheon, Republic of Korea

Staphylococcus aureus enterotoxin-specific IgE and asthma severity

Vilà-Nadal G.1, Pola-Bibián B.1, Romero D.2, Domínguez J.1, Barranco P.1, Quirce S.1

1Hospital La Paz Institute for Health Research (IdiPAZ), Allergology, Madrid, Spain, 2Hospital Universitario La Paz, Neumology, Madrid, Spain

Serum and sputum level of sCD14 depend on a polymorphism of the CD14 promoter (CD14-C159T) in Crimean adults with early and late-onset asthma

Bisyuk Y.A.1, Kurchenko A.I.1, Beloglazov V.A.2, Dubovyi A.I.2, Znamenska L.K.2, DuBuske L.M.3,4

1Bogomolets National Medical University, Kiev, Ukraine, 2Crimean State Medical University, Simferopol, Ukraine, 3Immunology Research Institute of New England, Gardner, United States, 4George Washington University, MFA, Washington, DC, United States

The changing curve of serum inhibitory activity for facilitated allergen-IgE binding during house dust mite immunotherapy

Mulin F.1, Zhaowei Y.1, Jing L.1

1The First Affiliated Hospital, Guangzhou Medical University, Guangzhou, China

Aspirin desensitisation in aspirin-exacerbated respiratory disease: some new insights into the molecular mechanisms

Bobolea I.D.1, del Pozo V.2, Sanz V.2, Cabañas R.3, Fiandor A.3, Quirce S.2

1Hospital 12 de Octubre, Allergy, Madrid, Spain, 2Fundacion Jimenez Diaz, Madrid, Spain, 3Hospital Universitario La Paz, Madrid, Spain

Th2-induced transcriptome is antagonised by IFN-gamma in airway epithelial cells

Zissler U.1, Guerth F.1, Ulrich M.2, Suttner K.1, Chaker A.1,2, Schmidt-Weber C.1

1Technical University Munich and Helmholtz Center Munich, Center for Allergy and Environment (ZAUM) - Member of DZL, Munich, Germany, 2Technical University Munich, Klinikum rechts der Isar, ENT-Department, Munich, Germany

Business Meeting (BM 20)  17:30 – 18:40

Business Meeting: IG Allied Health

Psychological aspects of food allergy
Rebecca Knibb, United Kingdom

Business Meeting (BM 21)  17:30 – 18:40

Business Meeting: IG Comparative and Veterinary Allergology

Dog as a model for food allergy
Oscar L. Frick, United States

Business Meeting (BM 22)  17:30 – 18:40

Business Meeting: IG Primary Care

The role of diagnostics in allergy management
Hans-Jürgen Hoffmann, Denmark

Business Meeting (BM 23)  17:30 – 18:40

Business Meeting: Junior Members and Affiliates (JMAs)

Postgraduate education in allergy
Adam Fox, United Kingdom

Business Meeting (BM 24)  17:30 – 18:40

Business Meeting: Patients Organisations Committee

Status and aspects of involving Patients Organisations in the LEAP study
Gideon Lack, United Kingdom
Some sessions fill up quickly. Arrive early to guarantee your entry. If you have missed a session, you can catch up on it at the Virtual Congress Hub in the Exhibition Hall.

### Plenary Symposium (PL 7) 08:30 – 10:00

**Innate danger signals triggering allergies**

**Room 211**

**Chairs:** Peter Hellings, Belgium  
Carsten Schmidt-Weber, Germany

**Role of double stranded DNA in allergic inflammation**  
Thomas Marichal, Belgium

**Innate lymphoid cells in allergy**  
Rudi Hendricks, The Netherlands

**Role of epithelial derived IL-33 in allergy**  
Clare Lloyd, United Kingdom

### Plenary Symposium (PL 8) 08:30 – 10:00

**New treatment modalities in AIT**

**Room 112**

**Chairs:** Pascal Demoly, France  
Moisés Calderón, United Kingdom

**Lessons from clinical trials with recombinant allergen vaccines**  
Stephen Durham, United Kingdom

**Clinical experience with Peptide AIT**  
Mark Larché, Canada

**New routes of administration in AIT**  
Thomas Kündig, Switzerland

### Symposium (SYM 57) 10:30 – 12:00

**Emerging drug allergies**

**Room 212**

**Chairs:** Marina Atanaskovic-Markovic, Serbia  
Eva Gomes, Portugal

**Cephalosporins – new aspects**  
Antonino Romano, Italy

**Chlorhexidine an unexpected hypersensitivity**  
Morten Schjørring Opstrup, Denmark

**Quinolons – new aspects**  
Maria Jose Torres, Spain

### Symposium (SYM 58) 10:30 – 12:00

**Impact and prevention of influenza in asthma**

**Room 111**

**Chairs:** Svetlana Sergejeva, Estonia  
Enrico Heffler, Italy

**Global burden of influenza (on asthma)**  
Chrysanthi Skevaki, Greece

**Immune response to influenza infection and antiviral treatment (among asthmatics/allergics)**  
Peter Openshaw, United Kingdom

**Influenza vaccination (among asthmatics/allergics)**  
Harald Renz, Germany
Symposium (SYM 59)  10:30 – 12:00
Practical aspect: from evidence-based medicine to practical standards in allergen immunotherapy (AIT)  Room 112
Chairs:  Jacques Gayraud, France
         Carmen Vidal, Spain

AIT in mite-allergic patients
Moisés Calderón, United Kingdom

Non-interventional trials in AIT: field-based evidence
Desiree Larenas-Linnemann, Mexico

SLIT in children
Giovanni Passalacqua, Italy

Symposium (SYM 60)  10:30 – 12:00
Exotic skin diseases  Room 113
Chairs:  Marta Ferrer, Spain
         Luis Caraballo, Colombia

Papular urticaria in the tropics
Elisabeth García Gomez, Colombia

Exacerbation of skin diseases by infections
Peter Schmid-Grendelmeier, Switzerland

Eosinophilia and skin diseases
Francesca Levi-Schaffer, Israel

Symposium (SYM 61)  10:30 – 12:00
Taskforce on the development of allergy-focussed diet history tools  Room 114
Chairs:  Kate Grimshaw, United Kingdom
         Audrey Dunn Galvin, Ireland

Overview and development of the pediatric and adult tools
Isabel Skypala, United Kingdom

Using the pediatric tool to red flag nutritional issues
Berber Vlieg-Boerstra, The Netherlands

Value of standardised tools in diverse communities
Sasha Watkins, South Africa

Closing Ceremony  12:15 – 13:15
Closing Ceremony  Room 211
Toward a strong EAACI National Societies Platform - The 1st National Societies Forum

Monday, 8 June 2015, 10:30 - 12:00 - Room 119

Presenters

• Nanna Fyhrquist: “The Finnish Allergy Programme”

• Harald Renz: “Current projects of the German Society of Allergy and Clinical Immunology to improve the management of allergic diseases”

• José María Olaquibel: “The Spanish Society of Allergy and Clinical Immunology moves ahead with management”

Join us for an interesting and fruitful first occasion to share ideas, to learn from what others have done, to better understand the needs and priorities of National Societies and to explore how we can build common goals and action plans both at the National and European levels.

For more information visit the EAACI booth in the Entrance Hall or www.eaaci.org
Poster Session (TPS 1) - Infection and allergy

Chairs: Thai Dinh, Germany
Richard M. Maizels, United Kingdom

661 Epidemiology of respiratory viruses in asthma exacerbations versus those in the community in Istanbul, Turkey
Aktürk H.1, Ciblak M.2, Uysalol M.3, Sulcu M.1, Hanceri Torun S.1, Tamay Z.1, Güler N.1, Yekeler E.1, Erol O.B.1, Somer A.1, Salman N.1
1Istanbul University Istanbul Medical Faculty, Pediatric Infectious Diseases, Istanbul, Turkey, 2Istanbul University Istanbul Medical Faculty, Microbiology Department, National Influenza Reference Laboratory, Istanbul, Turkey, 3Istanbul University Istanbul Medical Faculty, Pediatric Emergency Department, Istanbul, Turkey, 4Istanbul University Istanbul Medical Faculty, Pediatric Allergy, Istanbul, Turkey, 5Istanbul University Istanbul Medical Faculty, Pediatric Radiology, Istanbul, Turkey

662 Recombinant fusion protein IL-18 effect the expression of the immune related inflammatory factor in mice with staphylococcus aureus infection
Chen Q.1, Chen C.2, Wu D.1
1Jiangxi Provincial Children’s Hospital, Respiratory Department, Nanchang, China, 2Jiangxi Provincial Children's Hospital, Nanchang, China

663 Lipopolysaccharide-endotoxin added to tissue damage causes “explosion” of cytokines in experimental model of liver injury
Sydorchuk A.1, Sydorchuk R.1, Sydorchuk I.1, Sydorchuk L.1
1BSMU, Chernivtsi, Ukraine

664 Hydatid disease or cystic echinococcosis
De Vicente Jimenez T.1, Montoro A.1, Fonseca J.1, Mendoza A.1, Mateos J.M.1, Núñez M.A.1, de Mateo B.1
1Hospital Central de la Defensa, Allergology, Madrid, Spain

665 Microbial communities in upper airways of respiratory virus infected children with and without atopy
Taka S.1, Skevaki C.1, Spanopoulou S.1, Trochoutsou A.1, Tsolia M.1, Papadopoulos N.G.1
1National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Athens, Greece

666 Henoch-Schönlein and vasculitis
Yakovliev P.1, Valcheva T.T.1, Takovska N.D.1, Shomov G.1, Nikolov K.1, Baleva M.3
1Tracian University of Stara Zagora, Allergology, Stara Zagora, Bulgaria, 2Medical University of Sofia, Clinical Center of Allergology and Asthma, Sofia, Bulgaria, 3Consulting Room of Allergology, Blagoevgrad, Bulgaria, 4Tracian University of Stara Zagora, Pathology, Stara Zagora, Bulgaria, 5Medical University of Sofia, Immunology, Sofia, Bulgaria

667 Strongyloides stercoralis infestation. A case report
Ortega Sanchez C.1, Morales Rubio C.1, Verdeguer Segarra O.1, Peiáez Hernández A.1
1Hospital Clínico, Valencia, Spain

668 Clinical course and outcome of toxocariasis-related eosinophilic disorder
Kim T.B.2, Yoon S.Y.1, Park S.Y.1, Shin B.1, Kim H.-J.1, Kwon H.-S.1, Cho Y.S.1, Moon H.-B.1
1Asan Medical Center, University of Ulsan College of Medicine, Department of Allergy and Clinical Immunology, Seoul, Republic of Korea

669 Propionibacterium Shermanni based probiotic therapy potentiate anti-inflammatory and immunomodulation efficacy of mesalazine
Sydorchuk A.1, Sydorchuk R.1, Sydorchuk L.1, Sydorchuk I.1
1BSMU, Chernivtsi, Ukraine
**Poster Session (TPS 2) - Pediatric allergy**

**Chairs:** Susanne Halken, Denmark  
Ozlem Cavkaytar, Turkey

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**670**  
**Pediatric use of a C1 esterase inhibitor short or selective prophylaxis of hereditary angioedema: findings from a large international registry**  
Martínez-Saquer J.1, Baker J.W.2, Busse P.3, Bygum A.4, Edelman J.M.5, Williams-Herman D.6  
1H2RM, Hemophilia Center Rhine Main, Mörfelden-Walldorf, Germany,  
2Baker Allergy, Asthma and Dermatology, Lake Oswego, United States,  
3Mount Sinai School of Medicine, New York, United States,  
4Odense University Hospital, University of Southern Denmark, Odense, Denmark,  
5CSL Behring GmbH, Marburg, Germany

**671**  
**Association between environmental tobacco smoke exposure and allergic diseases in a population-based study of Asian children: PATCH study**  
Yao T.C.1,2, Wu C.Y.1, Tsai H.-J.3, Chang S.-W.3, Huang J.-L.1,2  
1PATCH Study Group  
2Chang Gung Memorial Hospital, Division of Allergy, Asthma, and Rheumatology, Department of Pediatrics, Taoyuan, Taiwan,  
3Chang Gung University College of Medicine, Department of Pediatrics, Taoyuan, Taiwan,  
4Chang Gung Memorial Hospital, Department of Pediatrics, Taoyuan, Taiwan,  
5National Health Research Institutes, Division of Biostatistics and Bioinformatics, Institutes of Population Health Sciences, Miaoli, Taiwan,  
6Chang Gung University College of Medicine, Clinical Informatics and Medical Statistics Research Center, Taoyuan, Taiwan

**671A**  
**Allergen sensitization in early neonates at high risk for allergic disease**  
Tsukimoto K.1, Sekimoto K.1, Suqai K.1, Uehara H.1, Ikeda M.1,2  
1National Hospital Organization, Fukuyama Medical Center, Pediatrics, Hiroshima, Japan,  
2Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Pediatric Acute Medicine, Okayama, Japan

**672**  
**Hypogammaglobulinemia in preschool children with allergic disease**  
Maslak I.C.1, Hangül M.1, Binool A.2  
1Akdeniz University, Antalya, Turkey,  
2Akdeniz University, Department of Pediatric Allergy Immunology, Antalya, Turkey

**673**  
**Impact of IgE antibodies on the prevalence and comorbidity of eczema, asthma and rhinitis**  
Ballartín N.1,2, Bergström A.1, Wahltjen C.-F.1, van Haage M.6, Hallmer E.1,2, Kull M.1,2, Melén E.1,2, Antó J.M.3,4, Bousquet J.2, Wickman M.1,2  
1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden,  
2Södersjukhuset, Sachs’ Children and Youth Hospital, Stockholm, Sweden,  
3Karolinska Institutet and University Hospital, Dermatology and Venereology Unit, Department of Medicine, Solna, Stockholm, Sweden,  
4Karolinska Institutet and University Hospital, Clinical Immunology and Allergy Unit, Department of Medicine Solna, Stockholm, Sweden,  
5Karolinska Institutet, Clinical Science and Education, Södersjukhuset, Stockholm, Sweden,  
6Vinland, Lund, Sweden,  
7Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain,  
8IMM (Hospital del Mar Research Institute), Barcelona, Spain,  
9Universitat Pompeu Fabra (UPF), Barcelona, Spain,  
10University Hospital and INSERM, Department of Allergy and Respiratory Diseases, Montpellier, France

**674**  
**Relation between severity of atopic dermatitis in young children and sensitisation to aeroallergens**  
Migacheva N.1, Kaganova T.1  
1Samara State Medical University, Pediatrics, Samara, Russian Federation

**675**  
**Prospective study of the incidence of anaphylaxis in Irish children**  
Maris L.1, Hourihane J.1, O’Sullivan R.2, Daly D.2  
1University College Cork/Cork University Hospital, Paediatrics and Child Health, Cork, Ireland,  
2University College Cork, Bon Secours Hospital Cork, Cork, Ireland,  
3Cork University Hospital, Paediatrics, Cork, Ireland

**676**  
**Evaluation of pain sensation induced by skin prick tests**  
Chądzyńska J.1, Krawiec M.1, Kraj G.1, Zawadzka-Krajewska A.1, Krauze A.1, Kulús M.1  
1Warsaw Medical University, Pediatric Pulmonology and Allergology, Warsaw, Poland

**677**  
**Skin prick testing in children: risk factors of anxiety and pain**  
Karajtmarca B.1, Sahiner U.M.1, Ozer O.2, Demiriyilmaz S.3, Sekerel B.E.1  
1Hacettepe University School of Medicine, Pediatric Allergy, Ankara, Turkey,  
2Hacettepe University School of Medicine, General Pediatrics, Ankara, Turkey

**678**  
**Contribution of skin tests in allergic diseases child**  
Smati L.1, Redjala O.1, Smi S.1, Boufersaoui A.1, Benhalla K.N.2, Baghriche M.1, Benhassine F.1  
1EPH Bologhine Ibn Ziri, Department of Paediatrics, Algiers, Algeria,  
2CHU Beni Messous, Department of Paediatrics, Algiers, Algeria

**679**  
**Analysis of pro-BDNF and BDNF level in pediatric patients with atopic dermatitis and allergic rhinitis**  
Szczepankiewicz A.1, Soboliowski P.1, Narozna B.1, Jenerowicz D.1, Breborowicz A.1  
1Poznan University of Medical Sciences, Pediatric Pulmonology, Allergy and Clinical Immunology, Poznan, Poland,  
2Poznan University of Medical Sciences, Department of Dermatology, Poznan, Poland

**680**  
**Assessment of risk factors for development of allergic diseases in Slovenian twins**  
Bešeda Mjaj-Kojcarjanic L.1  
1Zdравствени Dom Nova Gorica, Primary Pediatric Health Centre, Nova Gorica, Slovenia

**681**  
**The role of mean platelet volume as an inflammatory indicator in children with allergic rhinitis**  
Kutlu S.1, Sogut A.1, Sancak R.1, Paksu S.1, Murat N.2, Gunbey E.1, Karl R.2, Ozturk F.1  
1Ondokuz Mayis University, Faculty of Medicine, Samsun, Turkey,  
2Ondokuz Mayis University, Faculty of Engineering, Samsun, Turkey
1,2Chang Gung Memorial Hospital at Linkou, Division of Allergy, Asthma, and Rheumatology, Department of Pediatrics, Taoyuan County, Taiwan, 2Chang Gung University College of Medicine, Department of Pediatrics, Taoyuan County, Taiwan

Prevalence of atopic diseases and sensitisation profile in pediatric population: comparative data in Greek islands
Chytiroglou E.1, Gkavogiannakis N.1, Tsakiris D.1, Potikas M.1, Kogkas S.1, Sandilios C.1, Skarlatou G.1, Mákris M.1, Agelides X.1
1Attikon University Hospital, Allergy Unit, 2nd Dpt of Dermatology, Chaidari, Greece

Specific oral tolerance induction in food allergy: experience with 63 patients
Cortes J.1, Gil J.A.1, Fiol M.1, Riera J.M.1, Segura E.1, Peña J.A.1, Osono B.1, Figuerola J.1
1Hospital Son Espases, Palma de Mallorca, Spain

Posters (TPS 3) - Pediatric asthma and rhinitis

Swimming and risk of asthma and allergies in Portuguese school aged children
Pinto M.P.1, Queirós S.1, Silva D.1, Martins C.1, Madureira J.2, Oliveira Fernandes E.2, Padrão P.1, Moreira P.1, Delgado L.1, Moreira A.1
1Faculty of Medicine of the University of Porto, Porto, Portugal, Centro Hospitalar São João E.P.E., Porto, Portugal, Porto, Portugal, 2INEGI - Institute of Science and Innovation in Mechanical Engineering and Industrial Management, Porto, Portugal, Porto, Portugal, 3Faculty of Nutrition and Food Sciences, Porto, Portugal

The patient registry of children with severe persistent uncontrolled asthma as a tool for long-term monitoring
Namazova-Baranova L.1,2,3, Vishneva E.1, Smirnov V.1, Antonova E.4, Alekseeva A.1,2, Efendieva K.1,2, Levinia J.1,2, Tomilova A.1,2, Voznesenskaya N.1, Muradova O.1, Volkov K.1, Barannik V.1, Dobrynina E.1, Selimzhanova L.1,2, Promyslova E.1, 1Scientific Centre for Children Health, SRI of Preventive Paediatrics and Rehabilitation, Moscow, Russian Federation, 2First Moscow State Medical University named after I.M. Sechenov, Moscow, Russian Federation, 3The Russian National Research Medical University named after N.I. Pirogov, Moscow, Russian Federation, 4Scientific Centre for Children Health, Moscow, Russian Federation

Seropositivity to chlamyphila pneumoniae in uncontrolled asthmatic children
Alekseeva O.1, Ilyenkova N.1, Toreshchenko S.1, Smirnova S.2, 1Krasnoyarsk State Medical University, Krasnoyarsk, Russian Federation, 2Scientific Research Institute of Medical Problems of the North, Krasnoyarsk, Russian Federation

Sleep evaluation in children with respiratory disease assisted in child asthma prevention program (PIPA) – Uruquaiana, Brazil
Urtiga-Pereira M.1, Avila J.1, Solé D.2, 1PIPA Children’s Program Asthma Prevention, Department of Pediatrics, Uruquaiana, Brazil, 2Federal University São Paulo, Allergy.Clinical Immunology and Rheumatology Department of Pediatrics, São Paulo, Brazil

Sensitisation to various allergens in obese and normal weight children
Meral G.1, Uslu A.1, Yozgath A.U.1, Akcay F.1, Can G.1, 1Kapıthiane State Hospital, Pediatrics, Istanbul, Turkey
Profile of IgE-mediated sensitisation at the age of 3 and 6 years
Liska M.1, Pancek P.1, Gutova V.1, Vlas T.1, 1University Hospital in Pilsen, Charles University, Department of Immunology and Allergology, Pilsen, Czech Republic

Eosinophilic esophagitis induced by milk oral immunotherapy?
Colem M.1, Gil J.A.1, Fiol M.1, Riera J.M.1, Zibetti S.1, Rosell A.1, Cortes J.1, Peña J.A.1, Osono B.1, Figuerola J.1, 1Hospital Son Espases, Palma de Mallorca, Spain

Effect of vacuuming mattresses on allergic rhinitis symptoms in children
Lee Y.J.1, Bang J.S.2, Oh Y.J.1, Lee J.W.1, Sung T.J.1, Lee K.H.1, Lee H.R.1, 1Hallym University Kangnam Sacred Heart Hospital, Pediatrics, Seoul, Republic of Korea, 2Hallym University Sacred Heart Hospital, Pediatrics, Anyang, Republic of Korea

The role of neurochemical factors in the pathophysiology of acute asthma in children
Samerek O.1, 1Rostov State Medical University, Department of Childhood Diseases Nº2, Rostov-on-Don, Russian Federation

Association of vitamin D status with recurrent wheezing and lower respiratory infection in Korean pre-school children
Jung J.-A.1, Kim J.-H.2, Yun H.-J.2, 1Dong-A University Hospital, Pediatrics, Busan, Republic of Korea, 2Ulans University Hospital, Pediatrics, Ulsan, Republic of Korea, 3Ilisin Christian Hospital, Pediatrics, Busan, Republic of Korea

Sensitisation patterns of Alternaria alternata in a pediatric population of our Mediterranean area
Gómez Durue M.1, Blasco Valero C.1, Vilà Indurain B.1, Pineda de la Rosa F.2, Rivière J.G.2, Guillon Biscarri M.1, Soley-Galán R.1, Garriña Biautz T.1, 1Val de Hebron University Hospital, Pediatric Allergy Section, Universitat Autònoma de Barcelona, Barcelona, Spain, 2Diater Laboratories, Madrid, Spain

Efficacy of prednisolone in the first acute rhinovirus-induced wheezing episode: controlled trial with follow-up until the age of 5 years
Koistinen A.1, Turunen R.1, Vuorinen T.2, Ruuskanen O.1, Jartti T.1, 1Turku University Hospital, Department of Pediatrics, Turku, Finland, 2University of Turku, Department of Virology, Turku, Finland
697 Prevalence and risk factors of allergic rhinitis in preschool children

Voon J1, Choi Y.J.1, Yang S.I.1, Lee E1, Jung Y.H.1, Seo J.H.2, Hong S.J.1
1Childhood Asthma Atopy Center, Department of Pediatrics, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 2Korea Cancer Center Hospital, Department of Pediatrics, Seoul, Republic of Korea

698 Sensitisation to inhalant allergens in children with allergic airway disease living in the State of Qatar

Zahraldin K.1, ElHayel M.2, Tuffaha A.1
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699 Factors related with hospitalisation period in children with asthma exacerbation via a pediatric emergency department

Kwon J.H.1, Lee S.1, Hong Y.M.1, Kim H.S.1
1Ewha Womans University, Department of Pediatrics, Seoul, Republic of Korea

700 Vitamin D level and the correlation with IgE in children with allergic respiratory diseases in Guangzhou China

Huang H.1, Chen Y.1, Zheng P.1, Wei N.1, Lü W.1, Sun B.1
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1State Key Laboratory of Respiratory Disease, The First Affiliated Hospital of Guangzhou Medical University, Guangzhou Medical University, Guangzhou, China, 2Guangzhou Yuxiu District Maternal and Child Health Care Hospital, Guangzhou, China

701 Clinical factor of airway hyperresponsiveness about asthmatic children in remission state more than a year

Kenjo T.1
1Hirano General Hospital, Pediatrics, Gifu-City, Japan

702 Asthma in young children: prevention of delayed diagnosis

Nesterenko Z.V.1,2, Gritsiak A.A.1
1SI ‘Luigansk State Medical University’, Lugansk, Ukraine, 2St. Petersburg State Pediatric Medical University, St.Petersburg, Russian Federation

703 Vitamin D serum levels in children with allergic rhinitis

Artar O.1, Ozdemir H.1, Unlu A.2, Bozkurt MK.2, Bozkurt B.4
1Selcuk University Medical Faculty, Pediatric Immunology and Allergy, Konya, Turkey, 2Selcuk University Medical Faculty, Biochemistry, Konya, Turkey, 3Selcuk University Medical Faculty, Otolaryngology, Konya, Turkey, 4Selcuk University Medical Faculty, Ophthalmology, Konya, Turkey

704 Bronchiectasis or asthma – a case report

Petrova G.1, Miteva D.1, Papochieva V.1, Perenovska P1, Kralimarkova T.1
1Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, 2Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria

705 Atopic and non-atopic eczema in adolescence: what is the difference?

Johansson E.K.1,2, Ballardi N.1,4, Bergström A.3, Kull I.1,5
1Wahlgren C-F.2, 2Södersjukhuset, Dermatological and Venerological Clinic, Stockholm, Sweden, 3Karolinska Institutet, Dermatology and Venerology Unit, Department of Medicine Solna, Stockholm, Sweden, 4Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden, 5Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden, 6Karolinska Institutet, Södersjukhuset, Department of Clinical Science and Education, Stockholm, Sweden, 7Karolinska University Hospital Solna, Department of Dermatology, Stockholm, Sweden

706 Regional differences in sensitisation to Ambrosia in Croatian children are not associated solely with airborne pollen concentrations

Perica M.1, Banic I.1, Miletic Gospic A.1, Zivkovic J.1, Plavec D.1, Cvitkovic A.2, Peternel R.1, Peris N.1, Turkalj M.1
1Children’s Hospital Srebrnjak, Zagreb, Croatia, 2Institute of Public Health of Brod-Pozasina County, Slavonski Brod, Croatia, 3University of Applied Sciences Velika Gorica, Velika Gorica, Croatia, 4Institute of Public Health of Split-Dalmatia County, Split, Croatia

707 Tropomyosin sensitisation in a paediatric population of the Mediterranean area

1Complejo Hospitalario Universitario de Cartagena, Allergy Section, Cartagena (Murcia), Spain, 2Hospital Virgen de la Arrixaca, Allergy Service, Murcia, Spain, 3Centro de Especialidades El Españolet, Allergy Unit, Játiva (Valencia), Spain, 4Laboratorios Leti, R&D, Tres Cantos (Madrid), Spain

708 Component-resolved diagnosis in poly-sensitised food-allergic pediatric patients

Garriga Barut T.1, Vilá B.1, Blasso C.4, Moreno-Galdó A.1, Cardona V.1, Narváez K.1, Gómez M.1, Riviere J.G.1, Guillén M.1, Soley R.1, Labrador-Horrillo M.1
1Hospital Vall d’Hebron, Barcelona, Spain

709 Moscow infants: atopic dermatitis, skin reactions to the dietary intake at 1-year of age followed to 2-years of age and sensitisation at the age of 1 year

Treneva M.1, Mambud D.2, Pampra A.1
1Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University, Allergy and Clinical Immunology Department, Moscow, Russian Federation, 2Imperial College London, Department of Paediatrics, London, United Kingdom
| Posters |
|-------------------|-------------------|-------------------|
| **710** Characteristics of anaphylaxis in a pediatric emergency department | 719 Prevalence of kiwi fruit allergy in kids of Bosnia |
| Guzmán M.1, Ameiro B.1, Morales C.1, Zambrano G.1, Rodríguez A.1, Baeza M.L.1, Alvarez-Perea A.1 | Bajraktarevic A.1, Mokovic M.1, Putica Trhulj S.1, Lokmic E.1, Selimovic A.1, Kurtagic S.1, Novo A.1, Frankic T.1, Audzumovic A.1 |
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| **711** Epinephrine use in anaphylaxis in a pediatric emergency department | **720 Differences between the characteristics of children and adults attending outpatient services in Bulgaria for nasal symptoms** |
| Morales-Cabeza C.1, Ameiro B.1, Guzmán M.1, Zambrano G.1, Rodríguez A.1, Baeza M.L.1, Alvarez-Perea A.1 | Mustakov T.B.1, Kralimarkova T.Z.1, Staevska M.T.1, Dimitrov V.D.1, Popov T.A.1 |
| 1Hospital General Universitario Gregorio Marañón, Allergy Service, Madrid, Spain | 1UMHAT Alexandrovska, Clinical Centre of Allerology, Sofia, Bulgaria |
| **712** Gender-dependent association between sun exposure and the cumulative incidence of wheeze during infancy | **721 Prevalence and risk factros of atopic dermatitis among preschool children Gaziantep, a province in South-Eastern Turkey** |
| Shirohara M.1,2,3, Matsumoto K.4 | Kucukosmanoglu E.1, Sucu F.1, Özkaras M.Y.1, Keskin Ö.1, Kul S.3, Aydin N.4 |
| 1Gifu University Hospital, Department of Pediatrics, Gifu, Japan, 2National Shimosizu Hospital, Department Allergy and Pediatrics, Yotsukaido, Japan, 3Kochi University, Department of Pediatrics, Kochi, Japan, 4National Research Institute for Child Health & Development, Department of Allergy & Immunology, Tokyo, Japan | 1Gaziantep University Hospital, Faculty of Medicine, Pediatric Allergy, Gaziantep, Turkey, 2Gaziantep University, Faculty of Medicine, Pediatrics, Gaziantep, Turkey, 3Gaziantep University, Faculty of Medicine, Biostatistics, Gaziantep, Turkey, 4Gaziantep University, Faculty of Medicine, Public Health, Gaziantep, Turkey |
| **713** Milk and vegetable intakes and risk of asthma in school children in urban Guangzhou and rural Shaoguan, China | **722 Searching the staphylococcal superantigens; toxic shock syndrome toxin-1 (TSST-1) and staphylococcal enterotoxins A, B, and C in middle ear effusion of children with Otitis media with effusion** |
| Yang Z.1, Li J.1 | Noorbakhsh S.1, Shokrollahi M.1, Mousavi S.J.1, Barati M.1, Tabatabaei A.1 |
| 1Guangzhou Medical University, Guangzhou Institute of Respiratory Disease, Guangzhou, China | 1Research Center of Pediatric Infectious Diseases, Iran University of Medical Sciences, Tehran, Islamic Republic of Iran |
| **714** PO-0243 procalcitonin use in diagnosis of paediatric meningitis | **723 Differences between the characteristics of children and adults attending outpatient services in Bulgaria for nasal symptoms** |
| Noorbakhsh S.1, Shabanzeradeh K.1 | Mustakov T.B.1, Kralimarkova T.Z.1, Staevska M.T.1, Dimitrov V.D.1, Popov T.A.1 |
| 1Research Center of Pediatric Infectious Diseases, Iran University of Medical Sciences, Tehran, Islamic Republic of Iran | 1UMHAT Alexandrovska, Clinical Centre of Allerology, Sofia, Bulgaria |
| **715** Evaluation the agreement between Quantiferon-TB assay and Tuberculin skin test in TB infected cases | **724 Prevalence and risk factros of atopic dermatitis among preschool children Gaziantep, a province in South-Eastern Turkey** |
| Noorbakhsh S.1, Shokrollahi M.1, Mousavi S.J.1, Barati M.1, Tabatabaei A.1 | Kucukosmanoglu E.1, Sucu F.1, Özkaras M.Y.1, Keskin Ö.1, Kul S.3, Aydin N.4 |
| 1Research Center of Pediatric Infectious Diseases, Iran University of Medical Sciences, Tehran, Islamic Republic of Iran, 2Oom University of Medical Sciences and Health Services, Department of Medicine, Oom, Islamic Republic of Iran, 3Hazrate-Rasoul Akram Hospital, Iran University of Medical Sciences, Department of Pulmonary Medicine, Tehran, Islamic Republic of Iran | 1Gaziantep University Hospital, Faculty of Medicine, Pediatric Allergy, Gaziantep, Turkey, 2Gaziantep University, Faculty of Medicine, Pediatrics, Gaziantep, Turkey, 3Gaziantep University, Faculty of Medicine, Biostatistics, Gaziantep, Turkey, 4Gaziantep University, Faculty of Medicine, Public Health, Gaziantep, Turkey |
| **716** The impact of swim school attendance at three years old on wheeze and rhinitis at age five: a prospective birth cohort study in Tokyo, Japan | **725 Searching the staphylococcal superantigens; toxic shock syndrome toxin-1 (TSST-1) and staphylococcal enterotoxins A, B, and C in middle ear effusion of children with Otitis media with effusion** |
| Yamamoto K.1,2,3, Matsumoto K.4 | Noorbakhsh S.1,2,3,4, Shokrollahi M.1, Mousavi S.J.1, Barati M.1, Tabatabaei A.1 |
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| **717** Pet sensitisation and risk of asthma in an infant cohort of food allergy/atopic dermatitis | **726 The impact of swim school attendance at three years old on wheeze and rhinitis at age five: a prospective birth cohort study in Tokyo, Japan** |
| Kuwabara Y.1, Nagao M.1, Tanaka A.1, Borres M.1, Fujisawa T.1, IRAM Study Group | 1National Center for Child Health and Development, Department of Medical Subspecialties, Division of Allergy, Tokyo, Japan |
| 1Mie National Hospital, Institute for Clinical Research, Tsu, Japan, 2Phadia AB, Thermofisher Scientific, ImmunoDiagnostics, Yokohama, Japan | **727 Differences between the characteristics of children and adults attending outpatient services in Bulgaria for nasal symptoms** |
| **718** Comparison of infantile allergic disease prevalence with 12 years interval (1st report) | **728 Searching the staphylococcal superantigens; toxic shock syndrome toxin-1 (TSST-1) and staphylococcal enterotoxins A, B, and C in middle ear effusion of children with Otitis media with effusion** |
| Sunzaki C.1, Ebisawa M.1 | Noorbakhsh S.1,2,3,4, Shokrollahi M.1, Mousavi S.J.1, Barati M.1, Tabatabaei A.1 |
| 1Sagamihara National Hospital, Clinical Research Center, Sagamihara, Kanagawa, Japan | 1Research Center of Pediatric Infectious Diseases, Iran University of Medical Sciences, Tehran, Islamic Republic of Iran, 2ENT-Head and Neck Surgery Research Center, Iran University of Medical Science, Tehran, Islamic Republic of Iran |
**Poster Session (TPS 5) - Hymenoptera venom allergy and anaphylaxis**

**Chairs:** Betül Ayse Sin, Turkey  
Ewa Cichocka-Jarosz, Poland

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**723 Epidemiological data on hymenoptera venom allergy in the Valencia fire department (Spain)**

Cabrero R.1, Soriano V.2, Gonzalez P.1, Venegas I.1, Cueva B.1, Fernandez J.2  
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**724 Venom allergy in Turkish beekeepers and risk factors for systemic reaction**

Ediger D.1, Tersimoglu K.1, Tulumen Ozturk R.1  
1Uludag University Medical Faculty, Allergy and Immunology, Bursa, Turkey

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**725 Hymenoptera venom allergy and risk of sting in veterinarians: preliminary data**

Pala G.1, Addis N.1, Fais G.1, Meloni M.1, Montesu S.1, Piana V.1, Bullitta MA.1  
1Local Health Authority of Sassari, Occupational Physician’s Division, Sassari, Italy

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**726 Biomarkers of primary sensitisation and cross-reactivity in patients allergic to hymenoptera venom**

Piedana L.1,2, Melo A.C.2, Mendes A.1,2, Pereira-Barbosa M.1, Santos M.C.P.2  
1Hospital de Santa Maria, CHLN, E.P.E., Lisboa, Portugal, 2Laboratory of Clinical Immunology, Faculdade de Medicina, Universidade de Lisboa, /Instituto de Medicina Molecular, Lisbon, Portugal, 3Laboratory of Clinical Immunology, Faculdade de Medicina, Universidade de Lisboa, Instituto de Medicina Molecular, Lisbon, Portugal, 4Hospital de Santa Maria, CHLN, E.P.E., Lisboa, Portugal, 5Immunology’s Department, Hospital de Santa Maria, CHLN, E.P.E., Lisbon, Portugal

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**727 Triple positivity to hornet, wasp and bee venom: improved diagnostic procedure by recombinant allergen-based IgE testing**

Jovanovic D.R.1, Peric-Popadic A.1, Andrejevic S.1, Jovanovic I.D.2, Bonaci-Nikolic B.1  
1Clinical Center of Serbia, Clinic of Allergy and Clinical Immunology, Belgrade, Serbia, 2Clinical Hospital Center Bezaejska Kosa, Department of Gastroenterology, Belgrade, Serbia

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**728 The study of the allergy to sting insects in patients with sensitisation to house dust mites allergens in Russia**

Shabanov D.V.1,2, Martinov A.I.2, Fedoskova T.G.2, Fedoseeva V.N.2, Luss L.V.2  
1Moscow State University of Medicine and Dentistry named after A.I. Evdokimov, Moscow, Russian Federation, 2National Scientific Center - Institute of Immunology, Moscow, Russian Federation

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**729 Safety of ultra-rush versus semi-rush initiation of insect venom immunotherapy**

Vieira L.M.1,2, Amaral L.2, Reis Ferreira A.1, Barreira P.1, Moreira da Silva JP.1, Coimbra A.2, Plácido J.L.2  
1Serviço de Imunoalergologia, Centro Hospitalar de Vila Nova de Gaia/Espinho, Vila Nova de Gaia, Portugal, 2Serviço de Imunoalergologia, Centro Hospitalar de São João E.P.E., Porto, Portugal

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**730 Safety of retard (aluminium hydroxid ) apis mellifera venom in patient with elevated serum trypstat and anaphylactic reaction to venom immunotherapy**

Cortellini G.1, Lippolis D.1, Santucci A.1, Ballardini G.1  
1Rimini Hospital, Internal Medicine, Rimini, Italy

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**731 Venom immunotherapy in children and adolescents – once in a life?**

Azevedo J.1, Tavares B.1, Loureiro G.1, Pereira C.1, Rodrigues F.2, Todor-Born A.1  
1University of Coimbra Hospital Center, Immuonallergology, Coimbra, Portugal, 2University of Coimbra Hospital Center, Immunology Laboratory, Coimbra, Portugal

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**732 Long-term follow-up of re-sting reactions in children with moderate to severe venom hypersensitivity**

Erzyo Karagol H.I.1, Balazs T.1, Vilmaz O.1, Topal E.1, Arda M.1, Demirsoy M.S.1, Turkbas I.1  
1Gazi University School of Medicine, Pediatric Allergy and Asthma, Ankara, Turkey

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**733 Adherence to venom immunotherapy: when do we lose patients?**

Bokanovic D.1, Schwarz I.1, Laiopold K.1, Smolcic C.1, Schrautzner C.1, Wutte N.1, Aberer W.1, Sturm G.J.1  
1Medical University of Graz, Graz, Austria

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**734 The use of hymenoptera sting challenge (SCh): our experience**

Marques L.1, Rodamilans G.2, Lara S.1, Alcoceba E.1, Falip J.2  
1Hospital Santa Maria - Arnau de Vilanova, Allergy, Lleida, Spain, 2Hospital Santa Maria - Arnau de Vilanova, ICU, Lleida, Spain

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**735 Systemic reaction after Hippobosca equina bite**

Maheca, A.C.1, Gonzalez-Ganjio M.A.1, Pérez-Calderón R.1, Bartolomé B.1, Chiarella-Privette G.M.1, Zambonino M.A.1  
1Infanta Cristina University Hospital, Allergology, Badajoz, Spain, 2R&D Department, Bial-Aristegui, Bilbao, Spain

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**736 Anaphylaxis induced by nebulised salbutamol in an asthmatic boy**

Işık S.1, Çoçukyan-Süzmen Ş.1, Asilsoy S.1, Anal O.1, Karaman O.1, Uzuner N.1  
1Dokuz Eylul University Faculty of Medicine, Pediatric Allergy and Immunology, Izmir, Turkey

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**737 Two cases of mast cell activation disorder**

Peralos Chorda C.1, Martí Garrido J.1, Arévalos Prete J.1, Moral Moral P.1, Giner Valero A.1, Hernandez Fernandez de Rojas D.1  
1IIS Hospital La Fe, Department of Allergy, Valencia, Spain, 2IIS Hospital La Fe, Department of Internal Medicine, Valencia, Spain
Chairs: Michel Thibaudon, France
Maria Baez, Spain

**Poster Session (TPS 6) - Characterising pollens**

738 **Weed pollen daily distribution patterns in Vinnitsa, Ukraine**
Rodinkova V.V.1, Palamarchuk O.O.1, Musatova K.V.1, Motruk I.I.1, Kremenska L.V.1, Dubuske L.M.2,3
1Vinnitsa National Pirogov Memorial Medical University, Vinnitsa, Ukraine, 2Institute of Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

739 **Cross-reactivity between Plantago lanceolata, Phleum pretense and Olea europaea in a population from Spain**
Abel-Fernández E.1,2, Hernández Arbeiza J.2, Jiménez Timón S.2, Porcel Carreño S.3, Alvarado Arenas M.3, Fernández-Caldas E.3
1Universidad Complutense de Madrid, Madrid, Spain, 2Hospital La Paz–Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 3Fundación Jiménez Díaz, Allergy Department, Madrid, Spain

739A **Study of airborne urticaceae pollen in Portugal**
Caiero E.1,2, Ferro R.1,2, Camacho I.1, Morais-Almeida M.4, Nunes C.4, Brandão R.2,6
1Sociedade Portuguesa de Alergologia e Imunologia Clínica - SPAIC, Lisboa, Portugal, 2Instituto de Ciências Agrárias e Ambientais Mediterrânicas - ICAM, Universidade de Évora, Évora, Portugal, 3Centro de Competência das Ciências da Vida, Universidade da Madeira, Funchal, Portugal, 4Unidade de Imunoalergologia, Hospital CUF Descobertas, Lisboa, Portugal, 5Centro de Imunologia do Algarve, Portimão, Portugal, 6Faculdade de Ciências e Tecnologia, Universidade de Évora, Departamento de Biologia, Évora, Portugal

739B **Study if airborne fungal spores in Lisbon, Portugal**
Ferro R.1,2, Caiero E.1,2, Camacho I.1, Paiva M.1, Morais - Almeida M.4, Nunes C.4, Brandão R.2,6
1Sociedade Portuguesa de Alergologia e Imunologia Clínica - SPAIC, Lisboa, Portugal, 2Instituto de Ciências Agrárias e Ambientais Mediterrânicas - ICAM, Universidade de Évora, Évora, Portugal, 3Centro de Competência das Ciências da Vida, Universidade da Madeira, Funchal, Portugal, 4Unidade de Imunoalergologia, Hospital CUF Descobertas, Lisboa, Portugal, 5Centro de Imunologia do Algarve, Portimão, Portugal, 6Faculdade de Ciências e Tecnologia, Universidade de Évora, Departamento de Biologia, Évora, Portugal

740 **Aerobiological study in Peruvian cities**
Uriarte S.1, Calderón O.1, Uriarte S.1, Queiroz S.2
1Fundación Jiménez Díaz, Allergy Department, Madrid, Spain, 2Hospital Universitario La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain

741 **Grass pollen in the atmosphere of Madrid: trends over three decades**
Klimajer J.1, Narganes M.J.1, Craciunescu C.1, Subiza J.1
1Subiza Asthma and Allergy Centre, Madrid, Spain, 2Department of Research, Organic Chemistry Centre, Instituto Imperial de Tecnología y Química Orgánica, Madrid, Spain

742 **Development of a based-gene encoding allergen tool for detecting Alt a 1 and Alt a 1 homologues**
Gabriel M.1,2, Postigo I.1, Gutiérrez-Rodríguez A.1, Suhén E.1, Tomaz C.2, Martinez J.1
1University of the Basque Country, Department of Immunology, Microbiology and Parasitology, Faculty of Pharmacy and Laboratory of Parasitology and Allergy, Lascaray Research Centre, Vitoria-Gasteiz, Spain, 2University of Beira Interior, Department of Chemistry and CICS-UBI – Health Sciences Research Centre, Covilhã, Portugal

743 **Aerobiological study in Lima (Perú)**
Calderon O.1, Uriarte S.1, Sastre J.2, Queiroz S.2
1Gestión Médica Clinic, Allergy Department, Lima, Peru, 2Hospital Universitario La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 3Fundación Jiménez Díaz, Allergy Department, Madrid, Spain

744 **The airborne pollen calendar for Kutaisi, Western part of Georgia**
Abramidze T.1, Cheishvili T.1, Dolidze N.1, Gotua M.1, Gamkrelidze A.1
1Center of Allergy and Immunology, Tbilisi, Georgia

745 **Pollen calendar, a guide to common airborne pollen in Andalusia**
Martínez-Bracero M.1, Alcázar P.1, Díaz de la Guardia C.2, González Minero F.J.3, Ruiz L.4, Trigo-Pérez M.M.4, Galán C.1
1Universidad de Córdoba, Dpto. de Botánica, Ecología y Fisiología Vegetal, Córdoba, Spain, 2Universidad de Granada, Dpto. Botánica, Granada, Spain, 3Universidad de Sevilla, Dpto. Biología Vegetal, Sevilla, Spain, 4Universidad de Jaén, Dpto. Biología Animal, Biología Vegetal y Ecología, Jaén, Spain, 5Universidad de Málaga, Dpto. Biología Vegetal, Málaga, Spain

746 **Bet v 1 concentrations in the atmosphere of the Barcelona area, year 2014, and its relation with Birch and other cross-reactive pollens**
Hitchens U.L., De Linares C.1, Belmonte J.1,2
1Universitat Autònoma de Barcelona, ICTA, Cerdanyola del Vallès, Spain, 2Universitat Autònoma de Barcelona, Unitat de Botànica, Dept Biologia Animal, Biologia Vegetal i Ecologia, Cerdanyola del Vallès, Spain

747 **Validation of birch pollen distribution in an Allergen Challenge Theatre**
Yang W.H.1, Kelly S.1, Karsh J.1, Perrins R.1, Yang J.1
1Red Maple Trials Inc., Ottawa, Canada

748 **Point of information on aerobiology**
Belmonte J.1, De Linares C.1, Navarro D.1, Puigdemunt R.1, Cuevas E.2
1Universitat Autònoma de Barcelona, Institut de Ciència i Tecnologia Ambientals, Bellaterra (Cerdanyola del Vallès), Spain, 2Agencia Estatal de Meteorología, Centro de Investigación Atmosférica de Izaña, Santa Cruz de Tenerife, Spain
749 R-ALERGO: a new instrument to prevent alergen exposure in an urban area
Marti Garrido J.1, Temes Cordovez R.2, Moya Fuero A.3, Colomer Hermández N.1, Almero Ves R.1, Hernández Fernández de Rojas D.1
1IIIS Hospital La Fe, Allergy, Valencia, Spain, 2Polytechnic University of Valencia, Urbanism, Valencia, Spain, 3Cartographic Institute, Municipality of Valencia, Valencia, Spain

750 Characterisation of the pollen allergic population in Cordoba (Spain)
Cebrino J.1, Barasona M.J.2, Alcázár P.1, Moreno C.2, Dominguez-Vilches E.1, Galan C.1
1Universidad de Córdoba, Departamento de Botánica, Ecología y Fisiología Vegetal, Córdoba, Spain, 2Hospital Universitario Reina Sofia, Córdoba, Spain

751 Perceptions and attitudes of the asthma, COPD and allergic rhinitis patients towards smoking and smoking cessation
Celebi Sozener Z.1, Araslan F.2, Soyyigit S.1, Aydin O.1, Sen E.2, Mungan D.1, Celik G.1
1Ankara University School of Medicine, Chest Diseases Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Ankara University School of Medicine, Chest Diseases, Ankara, Turkey

Poster Session (TPS 7) - Diversity of respiratory and cutaneous symptoms at the workplace

752 The fish awareness study by occupational exposure
Aquiar R.1, Fernandes N.P.1, Mendes A.1, Pereira-Barbosa M.A.1
1Hospital de Santa Maria- Centro Hospitalar Lisboa Norte, Immunology, Allergology, Lisbon, Portugal

753 Occupational allergy to Tetanychus urticae in agricultural workers in the north of Portugal
Santos N.1, Carñino E.1, Aquiar A.2, Plácido J.L.1
1Centro Hospitalar São João, EPE, Porto, Portugal, 2REQUIMTE & Faculdade de Ciências da Universidade do Porto, Porto, Portugal

754 Contact dermatitis in the textile industry workers: a study in the central region of Tunisia
Boughattas W.1, Maoua M.1, Harzallah J.1, El Maalel O.2, Gaddour A.2, Hafisia M.2, Kalboussi H.2, Brahmen A.2, Chatti S.1, Debbabi F.3, Mrizak N.1
1Faculty of Medicine, Sousse, Tunisia, 2Faculty of Medicine, Médecine Communautaire, Sousse, Tunisia, 3Faculty of Dermato-Allergologie Professionnelle, Farhat Hached University Hospital, Sousse, Tunisia, 4Faculty of Medicine of Sousse, Sousse, Tunisia

755 Factors associated with severity of occupational asthma in Tunisian patients
Maoua M.1, Boughattas W.1, El Maalel O.1, Ferrani R.2, Hafisia M.2, Chatti S.1, Kalboussi H.2, Kaimi L.2, Bouhlel M.3, Debbabi F.3, Mrizak N.1
1Farhat Hached University Hospital, Sousse, Tunisia, 2Faculty of Medicine, occupational medicine department, Sousse, Tunisia, 3Faculty of Medicine, Sousse, Tunisia, 4Faculty of Medicine of Sousse, Sousse, Tunisia

756 Non-invasive methods to assess inflammation in the respiratory tract of waste collectors
Rauf M.1, Hoffmeyer P.1, van Kampen V.1, Neumann H.D.2, Liebers V.1, Deckert A.1, Brüning T.1, Bünger J.1
1Institute for Prevention and Occupational Medicine of the German Social Accident Insurance (IFA), Institute of the Ruhr-University Bochum, Bochum, Germany, 2German Social Accident Insurance, Institution for the Public Sector in North Rhine-Westphalia, Duesseldorf, Germany

757 Frequency of chronic respiratory symptoms and lung function impairment among dairy farmers
Stoleski S.1, Minov J.1, Karadzinska-Bisimovska J.1, Mijakoski D.1
1Institute for Occupational Health of R. Macedonia, Skopje, Macedonia, the Republic of Macedonia

758 Latex allergy symptoms and awareness of health care students
Kartal O.1, Sari O.2, Gulec M.1, Aydogan U.2, Musabak U.1, Sener D.1
1Gulhane Military Medical Academy and Medical School, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Gulhane Military Medical Academy and Medical School, Family Medicine, Ankara, Turkey

759 Perception of allergy as a factor in career choice among school children and adults
Walusjak-Skorupa J.1, Szczęśniak K.1, Napieralska L.2, Kalska-Sochacka K.1, Lipińska-Ojrzanowska A.1, Wszyniewska M.1, 2Nofer Institute of Occupational Medicine, Lodz, Poland, 3Textile Research Institute, Lodz, Poland

760 The prevalence of allergy among fig workers
Kose S.1, Atalay S.1, Gol Serin B.1, Kilic Toker A.1, Erden M.1
1Tepcek Training and Research Hospital, Izmir, Turkey

761 Occupational contact dermatitis, experience of one year
Zanetti M.1, Villaverde Monte M.2, Balugo López V.2, Sastre J.2
1Fundacion Jimenez Diaz, Allergology, Madrid, Spain, 2Fundacion Jimenez Diaz, Madrid, Spain

762 Study on reactive airways dysfunction syndrome in clinical assistants
Villalón García A.L.1, Perez Pimienta A.1, Maestre Naranjo M.A.2, Gomez Crego R.2, Iglesias Cadorso A.1, Rodriguez Mosquera M.1
1Hospital Universitario Puerta de Hierro of Majadahonda, Allergy, Madrid, Spain, 2Hospital Universitario Puerta de Hierro of Majadahonda, Health and Safety Department, Madrid, Spain

763 Airborne occupational contact urticaria to ethyl acetate
Darlenski R.1
1Tokuda Hospital Sofia, Dermatology and Venereology, Sofia, Bulgaria
764 Occupational respiratory allergy related to fruit tree exposure
Pérez-Caderón R.1, Gonzalo-Garío M.Á.1, Bartolomé B.2, Rodríguez-Velasco F.J.1, Sánchez-Vega S.1, Mahecha A.C.1, Chiarella-Privete G.M.1
1Infanta Cristina University Hospital, Allergology, Badajoz, Spain, 2R&D Department, Bial-Aristegui, Bilbao, Spain, 3University of Extremadura, Department of Nursing, Cáceres, Spain

765 Rhinocconjunctivitis in a tea shop worker
Núñez-Acevedo B.1, Rodríguez-Jiménez B.1, Domínguez-Ortega J.2, Muñoz-García E.3, Kindelan-Recarte C.1, Jimeno-Nogales L.4
1Hospital Universitario de Getafe, Madrid, Spain, 2Hospital Universitario La Paz, Madrid, Spain, 3Hospital Universitario de Getafe, Allergy, Madrid, Spain, 4ALK-Abelló, Madrid, Spain

766 Severe late asthmatic reaction due to chromium
Jonckheer J.1, Rongé R.2, Hanon S.1, Schuermans D.1, Vincken W.2
1Vrije Universiteit Brussel, Pneumology, Jette, Belgium, 2Vrije Universiteit Brussel, Jette, Belgium

767 Work-related rhinoconjunctivitis due to insect allergy
Ferrer Franco A.1, Bartolome B.2, Lopez Martinez M.J.1
1Hospital General de Almansa, SESCAM, Allergology, Almansa, Spain, 2Bial-Aristegui, R+D, Bilbao, Spain

768 An interesting case of occupational asthma related to chemicals in chewing gum
Bukut 1, Ozseker Z.F.
1Sureyyapasa Chest Disease and Chest Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

Posters

Poster Session (TPS 8) - Allergy epidemiology and health services

Chairs: Christina Tischer, Germany
Hywel C. Williams, United Kingdom

773 Risk factors of atopic dermatitis in Korean schoolchildren: 2010 international study of asthma and allergies in childhood
1Konkuk University Medical Center, Konkuk University School of Medicine, Pediatrics, Seoul, Republic of Korea, 2Hallym Sacred Heart Hospital, Hallym University College of Medicine, Pediatrics, Anyang, Republic of Korea, 3Keimyung University College of Medicine, Pediatrics, Seoul, Republic of Korea, 4CHA University School of Medicine, Pediatrics, Seongnam, Republic of Korea, 5Samsung Medical Center, Sungkyunkwan University School of Medicine, Pediatrics, Seoul, Republic of Korea, 6College of Medicine, Dankook University, Occupational and Environmental Medicine, Cheonan, Republic of Korea, 7College of Medical Science, Soonchunhyang University, Health Administration and Management, Asan, Republic of Korea, 8Korea National Open University, Information and Statistics, Seoul, Republic of Korea, 9Dankook University College of Medicine, Preventive Medicine, Cheonan, Republic of Korea

774 Environmental factors affecting dust mite allergic rhinitis in 9–12 years old Korean children
Park K.S.1, Chung E.L., Lee S.Y.2, Kwon J-W.2, Seo J-H.4, Kim B-J.5, Kim H-B.5, Yu J.1, Hong S-J.1,3
1Presbyterian Medical Center, Jeonju, Republic of Korea, 2Hallym Sacred Heart Hospital, Hallym University College of Medicine, Anyang, Republic of Korea, 3Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Republic of Korea, 4Ulsan University, Seoul, Republic of Korea, 5Inje University Haeundae Hospital, Busan, Republic of Korea, 6Inje University Haeundae HospitalSangye Paik Hospital, Seoul, Republic of Korea, 7Asan Medical Center, College of Medicine, Ulsan University, Seoul, Republic of Korea

775 Lifestyle and allergy-related symptoms in children up to two years – the ALADDIN birth cohort
Marell Hesla H.1,2, Stenius F.1,2, Alm J.1,2, Jämbert Pettersson H.1,2
1Karolinska Institutet, Department of Clinical Science and Education Södersjukhuset, Stockholm, Sweden, 2Sachs’ Children and Youth Hospital, Stockholm, Sweden

776 Prevalence of skin sensitisation to natural rubber latex and profilin in adult patients from Madrid, Spain
Ramos T.1, Vega F.1, las Heras P.1, de Sousa D.1, Blanco C.1
1Hospital Universitario de La Princesa, Allergy Department, Madrid, Spain

777 Prevalence of skin sensitisation to natural rubber latex and lipid transfer proteins in adult patients from Madrid, Spain
Ramos T.1, Vega F.1, las Heras P.1, Bevery M.1, Palacios A.1, Blanco C.1
1Hospital Universitario de La Princesa, Allergy Department, Madrid, Spain

Occupational asthma due to minoxidil
Valverde Monge M.1, Balugo Lopez V.1, De Las Heras Gozalo M.2, Hernandez Garcia De La Barrera E.1, Sastre J.2
1Fundacion Jimenez Diaz, Madrid, Spain, 2Fundacion Jimenez Diaz, Allergology, Madrid, Spain

Grapevine–mould Plasmopara viticola infection (downy mildew) elicits the expression of allergenic PR-proteins
Zorzi G.1, Avesani S.1, Giacomoni GI.2, Cecconi D.1, Lovato A.1, Conte M.1, Martelli P.2, Villalta D.2
1University of Verona, Verona, Italy, 2Azienda Ospedaliera S. Maria degli Angeli, Pordenone, Italy

Occupational fish allergy not related to parvalbumin sensitisation
Larco-Rojas X.E.1, Gonzalez-Cutierrez M.L.1, Bartolomé B.2, Pescosolido E.1, Pastor-Vargas C.3, Fernandez-Rivas M.1
1Hospital Clinico San Carlos, Allergy, Madrid, Spain, 2Bial-Aristegui, R+D, Madrid, Spain, 3Fundación Jiménez Diaz, Immunology, Madrid, Spain

Allergy risk of exposure to circus tigers in a cat-allergic patient
Popescu F-D.1,2, Vieru M.1,2, Ganaa C.S.2
1Carol Davila University of Medicine and Pharmacy, Allergology, Bucharest, Romania, 2Hospital ‘Nicolae Malaxa’, Allergology and Clinical Immunology, Bucharest, Romania

Prevalence of skin sensitisation to natural rubber latex and profilin in adult patients in Italy
Bulloni M.1,2, Nardi L.1,2, Pastorelli S.1,2, Ciappetta S.1,2, Maggiorani M.3, Gamberi F.1,2
1Università di Milano-Bicocca, Dipartimento di Meccanica, Chimica e Fisica, Milano, Italy, 2Università degli Studi di Milano, Dipartimento di Scienze della Salute, Milano, Italy, 3Università degli Studi di Pavia, Dipartimento di Scienze della Salute, Pavia, Italy
Burnout predicts breathing difficulties and skin problems in health professionals

Młodkowski D.1, Karadzinska-Bislimovska J.2, Minov J.3, Stoleski S.3
1Institute of Occupational Health of R. Macedonia, WHO CC, GA2LEN CC, Allergy Center, Skopje, Macedonia, the Republic of
2Institute of Occupational Health of R. Macedonia, WHO CC, GA2LEN CC, Dpt for Education and International Cooperation, Skopje, Macedonia, the Republic of
3Institute of Occupational Health of R. Macedonia, WHO CC, GA2LEN CC, Dpt for Functional Respiratory Diagnostics, Skopje, Macedonia, the Republic of

Moscow (Russia) women with positive skin prick-tests: colostrum and breast milk cytokines as an adoptive protective mechanism for the offspring

Trenova M.1, Murat D.1, Pampura A.1
1Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University, Allergy and Clinical Immunology Department, Moscow, Russian Federation, 2Imperial College London, Pediatrics, London, United Kingdom

Atopic disease in patients with Alzheimer diagnosis

Bozek A.1, Jarzab J.2
1Medical University of Silesia, Katowice, Poland, Clinical Department of Internal Disease, Dermatology and Allergology, Zabrze, Poland

Analysis of the frequency of acute allergic reactions for 20-year period in big industrial city (Kazan, Russia)

Safina L.1, Reshetnikova I.1, Fassakhov R.1
1Kazan Scientific and Research Institute of Epidemiology and Microbiology, Kazan, Russian Federation, 2Scientific - Research Institute of Epidemiology and Microbiology, Allergology and Immunology Department of Kazan State Medical Academy, Kazan, Russian Federation

Flare-up by glatiramer acetate

Sanchez-Gonzalez M.-J.1, Barbarroja-Escudero J.1, Antolin Amerigo D.1, Ortega-Bermejao M.-A.1, Alvarez-deMon M.1, Rodriguez-Rodriguez M.1
1Principe de Asturias University Hospital, Alcalá de Henares, Madrid, Spain

Diagnosis in adverse reactions to iodinated radiocontrast medium (RCM): a protocols report

Díaz M.C.1, Layrov A.1,2, Spínelli S.S.1, Silvúlit PD.1, Regueiro V.1, Souza V.1
1Hospital General de Niños Pedro de Elizalde, Buenos Aires, Argentina

Selective allergic reaction to clavulanic acid

Maggiolotti M.1, Gaeta F.1, Valluzzi R.L.1, Caruso C.1
1Complexxo Integrato Columbus, Allergology, Rome, Italy
2Complexxo Integrato Columbus, Allergy Unit, Rome, Italy

DRESS syndrome due to iodinated contrast media. A case report

Leusieron S.1, Baynova K.1, Labela Alvarez M.1, Avila Castellano R.1, Prados Caño M.1
1Virgen del Rocio University Hospital, Allergy, Seville, Spain

Anaphylaxis in the emergency department: data of a Greek tertiary hospital

Sandilos C.1, Potika M.1, Gkavogiannakis N.1, Skarlatou G.1, Aeggelides X.1, Chilia C.1, Makris M.1
1University General Hospital ‘ATTIKON’, Allergy Unit, Athens, Greece

Allergological referrals for hospitalised patients in a tertiary general hospital with 770 beds

Gkavogiannakis N.1, Aeggelides X.1, Potika M.1, Chytiroglou E.1, Chilia A.1, Makris M.1
1Allergy Unit ‘D. Kalogeromitros’, 2nd Dpt of Dermatology and Venereology, Medical School, University of Athens, Athens, Greece

General trends in anaphylaxis admissions in the hospital system of Spain during the period 1998-2011

Nieto-Nieto A.M.1, Tobón-Francisco J.D.1, Peña-Acevedo Y.1, Jiménez-Ruiz C.E.1, Macías-Iglesias J.1, Córdova-Ramos G.1, Moro-Moro M.1, Rodríguez-Alvarez M.1, Tejedor-Alonso M.A.1
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Flare-up by glatiramer acetate

Sanchez-Gonzalez M.-J.1, Barbarroja-Escudero J.1, Antolin Amerigo D.1, Ortega-Bermejao M.-A.1, Alvarez-deMon M.1, Rodriguez-Rodriguez M.1
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Selective allergic reaction to clavulanic acid

Maggiolotti M.1, Gaeta F.1, Valluzzi R.L.1, Caruso C.1
1Complexxo Integrato Columbus, Allergology, Rome, Italy
2Complexxo Integrato Columbus, Allergy Unit, Rome, Italy

DRESS syndrome due to iodinated contrast media. A case report

Leusieron S.1, Baynova K.1, Labela Alvarez M.1, Avila Castellano R.1, Prados Caño M.1
1Virgen del Rocio University Hospital, Allergy, Seville, Spain

Anaphylaxis in the emergency department: data of a Greek tertiary hospital

Sandilos C.1, Potika M.1, Gkavogiannakis N.1, Skarlatou G.1, Aeggelides X.1, Chilia C.1, Makris M.1
1University General Hospital ‘ATTIKON’, Allergy Unit, Athens, Greece

Allergological referrals for hospitalised patients in a tertiary general hospital with 770 beds

Gkavogiannakis N.1, Aeggelides X.1, Potika M.1, Chytiroglou E.1, Chilia A.1, Makris M.1
1Allergy Unit ‘D. Kalogeromitros’, 2nd Dpt of Dermatology and Venereology, Medical School, University of Athens, Athens, Greece

General trends in anaphylaxis admissions in the hospital system of Spain during the period 1998-2011

Nieto-Nieto A.M.1, Tobón-Francisco J.D.1, Peña-Acevedo Y.1, Jiménez-Ruiz C.E.1, Macías-Iglesias J.1, Córdova-Ramos G.1, Moro-Moro M.1, Rodríguez-Alvarez M.1, Tejedor-Alonso M.A.1
1Hospital Universitario Fundación Alcorcón, Allergy Unit, Alcorcón, Spain

Flare-up by glatiramer acetate

Sanchez-Gonzalez M.-J.1, Barbarroja-Escudero J.1, Antolin Amerigo D.1, Ortega-Bermejao M.-A.1, Alvarez-deMon M.1, Rodriguez-Rodriguez M.1
1Principe de Asturias University Hospital, Alcalá de Henares, Madrid, Spain

Diagnosis in adverse reactions to iodinated radiocontrast medium (RCM): a protocols report

Díaz M.C.1, Layrov A.1,2, Spínelli S.S.1, Silvúlit PD.1, Regueiro V.1, Souza V.1
1Hospital General de Niños Pedro de Elizalde, Buenos Aires, Argentina

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Overlap Stevens-Johnson syndrome/toxic epidermal necrolysis induced by oxyturpinol: a case report

Alvea A.1, Rivero D.1, Llurco M.1, Phillips E.I., Palao P.1, Gonzalez J.2, Flendar A.1, Ramirez E.1, Bellon T.1, Herranz P.1, Quirce S.1, Cabañas R.2
1Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Dermatology Department, Madrid, Spain

Thiocolchicoside induced anaphylaxis

Brossemer L.1, Malheiro D.1, Cadinha S.1, Moreira da Silva JP.1
1Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Allergy and Clinical Immunology Department, Vila Nova de Gaia, Portugal

Hypersensitivity to cefazolin – case series

Alves C.1, Romera A.1, Pinto R.1
1Hospital D. Estefânia, Lisboa, Portugal

Multiple fixed drug eruption due to fluconazole

Pérez Quintero O.1, Pico Díaz M.A.2, García Paz V.2, Velero Pérez B.2, Mejide Calderón A.2, Rial Prado M.2
1Complexxo Integratorio Universitario A Coruña - Servizo Galego de Saúde, Allergy, A Coruña, Spain, 2Complexxo Integratorio Universitario A Coruña - Servizo Galego de Saúde, A Coruña, Spain
793 Allergy to macrogols: a case report
Sanchez Moreno G.V., Vazquez Cortes S.1, Elices Appelainz A.1, Davila G.1, Chamorro Gomez M.1
1Hospital del Henares, Madrid, Spain, 2Hospital Clínico San Carlos, Madrid, Spain

794 Delayed hypersensitive to Alpha-Lipoic acid: look at dietary supplement
Rizzi A.1, Nacera E.1, Pecora V.1, Aruanno A.1, Pascolini L.1, Ricci G.1, Mezzacappa S.1, Di Rienzo A.1, Centrone M.1, Buonorno A.1, Schiavino D.1
1Università Cattolica del Sacro Cuore, Allergology and Clinical Immunology, Roma, Italy

795 Local necrosis induced by oxalipatin in a skin test
Rodríguez Gamboa A.1, Roa Medellin D.1, Miccozi S.1, Caralli M.E.1, De Barrio Fernandez M.1, Rojas Pérez-Ezquerra P.1
1Hospital General Universitario Gregorio Marañón, Allergy Department, Madrid, Spain

796 Fixed drug eruption due to etoricoxib
Pacheco Coronel V.1, Colomer Hernández N.1, Díaz Palacios M.1, Giner Valero A.1
1Hospital Universitario Alava, Vitoria, Spain, 2University of Foggia, Allergology and Clinical Immunology, Foggia, Italy

796A Acute generalized exanthematous pustulosis (AGEP) induced by azithromycin
Sierra Salgado O.1, Moreno Rodilla M.1, Macías Iglesias E.1, Muñoz Bellido F.1, Gracia Bara M.T.1, Dávila González I.1
1Hospital Universitario de Salamanca, Alergología, Salamanca, Spain

797 Positive allergy tests in a case of isoniazid-induced DRESS
Arruti N.1, Villarreal O.1, Bernedo N.1, Audicana M.T.1, Velasco M.1, Uriel O.1, Bellón T.2
1Hospital Universitario Alava, Vitoria, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Madrid, Spain

799 Anakinra delayed allergy
Lungoci E.1
1University Lyon 1, Lyon, France

800 The lymphocyte proliferation test (LPT) in the diagnosis of critical cases of delayed drug allergy
Arevalos Prette J.1, Pacheco Coronel V.1, Colomer Hernández N.1, Díaz Palacios M.1, Giner Valero A.1
1Hospital Universitari i Politècnic La Fe, Valencia, Spain

801 Piroxicam induced photodermatitis diagnosed by patch-test with thiosalicylic acid
Arevalos Prette J.1, Pacheco Coronel V.1, Colomer Hernández N.1, Díaz Palacios M.1, Giner Valero A.1
1Hospital Universitari i Politècnic La Fe, Valencia, Spain

802 Adverse reaction to morphine? – Two clinical cases
Omelas C.1, Caiado J.1, Lopes A.1, Barbosa MP1
1Santa Maria Hospital, North Lisbon Hospital Center, Lisbon, Portugal

803 Frequency of ADIPOQ 276 polymorphisms in obese and eutrophic adolescents with and without asthma and its relationship with plasma adiponectin levels
de Baro-Alvarez P.1, Navarrete-Rodriguez E.M.1, Saucedo-Ramirez O.1, del Rio-Navarro B.E.1
1Hospital Infantil de Mexico Federico Gomez, Alergia e Immunología Clínica Pediátrica, Mexico City, Mexico

804 Some ADAM33 single nucleotide polymorphisms and the risk of childhood asthma in a Bulgarian population
Petrova G.1, Miteva D.1, Lazova S.1, Krilmarkova T.1, Perenovska P.1, Andonova S.1, Savov A.1
1Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, 2Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, 3Obstetric and Genecology Hospital ‘Maichin Dom’, National Genetic Laboratory, Sofia, Bulgaria

805 Immunopathological implications of obesity in atopic asthma
Konishcheva A.1, Gervazieva V.1
1Mechnikov Research Institute for Vaccines and Sera, Moscow, Russian Federation

806 Cytokine profile assessment possibilities in matters of gaining control among immunocompromised patients, suffering from bronchial asthma
Tataurshchikova N.1
1Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, 2Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, 3Obstetric and Genecology Hospital ‘Maichin Dom’, National Genetic Laboratory, Sofia, Bulgaria

Poster Session (TPS 10) - Genetics - inflammation - pathology

**Chair:** Serena O’Neil, Australia
Umit Sahiner, Turkey

802A Association of vitamin D receptor gene polymorphisms and vitamin D levels with susceptibility to asthma and obesity in Colombian children. A pilot study
Garavito de Ejea C.1, Ejea E.1, Garavito P.1, Fang L.1, Silvera C.1, Arias I.1, Pereira N.1, Ejea G.1, Padilla S.1, Pertuz M.M.1, Ordonez J.1, Del Toro K.1
1Universidad del Norte, Medicine, Barranquilla, Colombia, 2Universidad de Cartagena, Odontology, Cartagena de Indias, Colombia

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de Baro-Alvarez P.1, Navarrete-Rodriguez E.M.1, Saucedo-Ramirez O.1, del Rio-Navarro B.E.1
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1Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, 2Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, 3Obstetric and Genecology Hospital ‘Maichin Dom’, National Genetic Laboratory, Sofia, Bulgaria

1Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, 2Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, 3Obstetric and Genecology Hospital ‘Maichin Dom’, National Genetic Laboratory, Sofia, Bulgaria

1Mechnikov Research Institute for Vaccines and Sera, Moscow, Russian Federation

1People’s Friendship University of Russia, Moscow, Russian Federation

1University of Foggia, Allergology and Clinical Immunology, Foggia, Italy

1Hospital General La Mancha Centro, Allergology, Alcázar de San Juan, Spain

1Hospital La Paz Institute for Health Research (IdiPAZ), Madrid, Spain
**Poster Session (TPS 11) - Anaphylaxis**

**Chairs:** Marina Atanaskovic-Markovic, Serbia  
Mar Guialte, Spain

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**810**  
**Evaluation of exercise-induced bronchoconstriction using IOS and FeNO**  
Arimoto Y.1, Odajima H.2  
1Japan, Pediatrics, Hiroshima, Japan. 2Fukuoka National Hospital, Fukuoka, Japan

**811**  
**Relationship between exhaled nitric oxide and small airway dysfunction with impulse oscillation system in children with asthma**  
Seo B.S.1, Cho E.1, Park H.W.1, Shin Y.H.1, Baek J.H.2, Yoon J.W.3, Lee H.1, Jung Y.H.1, Han M.Y.1  
1CHA University School of Medicine, Pediatrics, Seongnam, Republic of Korea, 2Hallym University School of Medicine, Pediatrics, Hwasung, Republic of Korea, 3Myongji Hospital, Pediatrics, Goyang, Republic of Korea

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**812**  
**TNF-alpha and IL-10 serum activity in patients with metabolik sitndrom depend on bronchial obstruction presence**  
Szytnik K.1, Kurinna O.2  
1Government Institution ‘L.T. Malaya Therapy Institute of National Academy of Medical Sciences of Ukraine’, Kharkiv, Ukraine

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**813**  
**Recognizing and managing Cowden syndrome with mastocytosis-like disease. A case report**  
Tudose A.M.1,2, Albert K.1, Dumitrescu N.V.1, Cretu I.D.1  
1Nicolae Malaxa Clinical Hospital, Allergology and Clinical Immunology, Bucharest, Romania. 2Carol Davila’ University of Medicine and Pharmacy, Allergology, Bucharest, Romania

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**814**  
**Anaphylaxis due to pantoprazole and dipyrone**  
Almeiro Vers R.1, Martí Garrido J.1, López Salgueiro R.1, Diaz Palacios M.A.1, Colomer Hernandez N.1, Hernandez F de Rojas MD.1  
1IIS Hospital La Fe, Department of Allergy, Valencia, Spain

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**815**  
**Polyethylene glycol allergy**  
Cruz C.1, Tomaz E.1, Didenko I.1, Inácio F.1  
1Hospital de Sao Bernardo, Serviço de Imunologia, Setubal, Portugal

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**816**  
**Anaphylaxis to measles vaccine in a food allergic boy**  
Galerko L.1, Kamaev A.1  
1Saint-Petersburg State Paediatric Medical University, Allergy and Clinical Pharmacology, Saint-Petersburg, Russian Federation

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**817**  
**Anaphylaxis after B-lactam skin testing**  
Moreno Mata E.1, Ruiz León B.1, González Sánchez L.A.1, Burgos Montero A.M.1, Candón Morillo R.1  
1Hospital General La Mancha Centro, Allergology, Alcázar de San Juan, Spain

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**818**  
**Recurrent anaphylaxis with non-steroideal anti-inflammatory drugs**  
Ruíz Sancho V.1, García Moguel I.2, Barranco R.M.2, Diéguez M.C.2, Bobolea I.D.2, Vives R.2  
1Hospital 12 de Octubre, Allergy, Madrid, Spain. 2Hospital 12 de Octubre, Madrid, Spain

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**807**  
**Asthmatic granulomatosis: a new presentation or a new asthma phenotype?**  
Diaz Campos R.1, González Salazar G.2, Bobolea I.2, Banderas Montalvo M.E.1, Mélero Moreno C.1  
1Hospital 12 de Octubre, Pulmonology, Madrid, Spain. 2Hospital 12 de Octubre, Allergy, Madrid, Spain

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**808**  
**An analysis of methacholine challenges test in asthma patients**  
Nam Y.H.1, Jeon D.S.1, Jin H.J.2, Choi G.S.1, Lee S.K.1  
1College of Medicine, Dong-A University, Department of Internal Medicine, Busan, Republic of Korea. 2Yeungnam University College of Medicine, Department of Internal Medicine, Daegu, Republic of Korea, 3Kosin University College of Medicine, Department of Internal Medicine, Busan, Republic of Korea

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**809**  
**The meaning of serum specific IgE to staphylococcal enterotoxin B in asthma patients**  
Park YH.1, Kim S.R.1, Leem D.W.1, Moon I.J.1, Koh B.S.1, Park K.H.1, Lee J.-H.1, Park J.-W.1  
1Yonsei University College of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, Seoul, Republic of Korea

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**819**  
**Anaphylactic reaction induced by H2-receptor antagonists: cross reactivity between rantidine and cimetidine**  
Chaabane A.1, Ben Fadhi N.1, Ben Fredj N.1, Chadly Z.1, Boughattas N.A.1, Aouam K.1  
1Medicine University, Pharmacology, Monastir, Tunisia

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**820**  
**Anaphylactic reaction to Gelafundin® (succinylated gelatin)**  
Suárez I.1, Cuesta P.1, Almeida L.1, Cumplido J.A.1, Ortega N.1, Castillo R.1, Dumplierrez A.1, Carrillo T.1  
1Doctor Negrin Hospital, Allergy Department, Las Palmas de Gran Canaria, Spain

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**821**  
**IgE-mediated reaction to metamizole: nearly fatal anaphylaxis and evaluation of a patient**  
Ucar R.1, Arslan S.1, Caliskaner A.Z.1  
1Necmettin Erbakan University, Meram Faculty of Medicine, Immunology and Allergic Disease, Konya, Turkey

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**822**  
**Unexpected anaphylactic reaction prior to desensitisation protocol for chemotherapy**  
Mota I.1, Gaspar A.1, Morais-Almeida M.1  
1CUF Descobertas Hospital, Immunology Department, Lisbon, Portugal

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**823**  
**Unsuspected anaphylaxis**  
Lazaro Martínez J.J.1, Dionicio Elera J.1, Archilla J.2, Gonzalez-Mendiola R.1, Alcorta Valle A.R.1, del Pozo M.1, Alvarez A.1, Mayorga C.1  
1Cruz Roja Hospital, Allergy Unit, Madrid, Spain, 2Cruz Roja Hospital, Allergy-Anesthesia Unit, Madrid, Spain, 3IBIMA, Regional University Hospital of Malaga, UMA, Research Laboratory, Carlos Haya Hospital, Malaga, Spain
824 Severe anaphylactic reaction during rapid desensitisation to rifampicin
Naroue E.1, Sinaniotis A.2, Zande M.2, Syrigou E.2
1Sotiria General Hospital, University Clinic of General Medicine, GPP, Athens, Greece, 2Sotiria General Hospital, Allergy, Athens, Greece

825 Anaphylaxis to butylhyoscine in a child: first documented case report
Morel-Codreanu E1, Trecot P2, Frantzen F3, Petitpain N2, Morisset M1, Houardy N4
1Centre Hospitalier de Luxembourg, Immuno-Allergology, Luxembourg, Luxembourg, 2Hôpital Central, Centre Hospitalier Universitaire, Centre Régional de Pharmacovigilance de Lorraine, Nancy, France, 3Centre Hospitalier de Luxembourg, Pharmacy, Luxembourg, Luxembourg, 4Cliniques du Sud Luxembourg, Medical Laboratory, Arlon, Belgium

826 Methylene blue anaphylaxis during childbirth
Gutierrez Fernandez D1, Foncubierta Fernandez A2, Moreno Ancillo A3, Cruz Carmona M.J.4, Fernandez Melendez S.5, Fernandez Anguita M.J.6
1Hospital Universitario Puerta del Mar, UGC Neurologia-Alergia, Cadiz, Spain, 2Distrito Sanitario Bahia de Cadiz-La Janda, UGC Joaquin Pece, San Fernando, Spain, 3Hospital Nuestra Señora del Prado, Alergologia, Talavera de la Reina, Spain, 4Hospital Vall d’Hebron, Barcelona, Spain, 5Hospital Universitario Carlos Haya, Alergologia, Malaga, Spain, 6Hospital Universitario Puerta del Mar, UGC Farmacia, Cadiz, Spain

827 Well tolerated enzyme replacement therapy after successful desensitisation in a pediatric patient with mucopolysaccharidosis type 1 and history of anaphylaxis
Bilgiceltan S1, Keskin Ö1, Keskin M2, Öztüntürks B3, Kuçukosmanoğlu E4, Karaoğlan M3, Ozkars M.Y6
1University of Gaziantep, Pediatric Allergy, Gaziantep, Turkey, 2University of Gaziantep, Pediatric Endocrinology and Metabolism, Gaziantep, Turkey, 3Children Hospital of Gaziantep, Pediatric Endocrinology and Metabolism, Gaziantep, Turkey, 4Children Hospital of Gaziantep, Pediatric Allergy, Gaziantep, Turkey

828 Perioperative protracted anaphylaxis, a case report
Cortellini G1, Santucci A1, Lippolis D1, Ballardini G1
1Rimini Hospital, Internal Medicine, Rimini, Italy

829 Paracetamol anaphylaxis
Charoenying Y1, Chansakulporn S1
1Faculty of Medicine, Srinakharinwirot University, Division of Pediatric Allergy and Immunology, Department of Pediatrics, Nakorn-nayok, Thailand

Poster Session (TPS 12) - Can we treat asthma better? (I)

Chairs: Enrico Heffler, Italy
Gary Wong, China

830 P’s power in asthma management, a pharmacists focus!
Al-Dosur H1
1TAG, Amman, Jordan

831 Assessment of the role of ACT, FEV1/FVC and asthma severity on predicting uncontrolled asthma with logistic ROC regression model: a two-center study
Keskin Ö1, Kul S2, Erkocoglu M3, Ozkars M.Y4, Civelek E5, Kuçukosmanoğlu E6, Bilgiceltan S7, Azkur D8, Kocabas C.N.9
1University of Gaziantep, Pediatric Allergy, Gaziantep, Turkey, 2University of Gaziantep, Pediatric Biostatistics, Gaziantep, Turkey, 3Children’s Hematology Oncology Training and Research Hospital, Ankara, Turkey

832 Adherence to daily controller medication in pregnancy women with persistent asthma
Astafieva N1, Garnova I1, Perfilova I1, Udovichenko E1, Michailova I1, Strilez G2, Naumova O3
1Saratov State Medical University, Clinical Immunology and Allergology, Saratov, Russian Federation

833 Omalizumab in the treatment of ABPA: one center experience with 14 cases
Avdino G1, Celebi Sozener Z2, Soyvigtig S1, Kendirinan R1, Misirligi Z2, Mungan D1, Sin B2, Demirel YS1, Celik G1, Baebeks S1
1Ankara University School of Medicine, Department of Allergy and Immunology, Ankara, Turkey

834 Nebulised fluticasone propionate, a viable alternative to systemic route in the management of childhood moderate asthma attack: a double-blind, double-dummy study
Poplata Demirca B1, Çağan H.H1, Kaykem A1, Anq U1, Arpa M2, Tulunay A3, Özen A1, Karakoç-Aydiner E4, Barış S5, Barlan I6
1Marmara University Research and Training Hospital, Pediatric Allergy and Immunology, Istanbul, Turkey, 2Marmara University Research and Training Hospital, Division of Biochemistry, Istanbul, Turkey, 3Marmara University Research and Training Hospital, Division of Immunology, Istanbul, Turkey

835 Predictors of medication adherence in patients with asthma in primary care in Germany
Brandstetter S1, Apfelbacher C1
1Institute of Epidemiology and Preventive Medicine, Regensburg, Germany

836 Asthma control in the outpatient clinic setting
Al-Zahrani J1, Al-Jahdali H2
1PRINCE SATTAM BIN ABDULAZIZ UNIVERSITY, Al-Kharj, Saudi Arabia, 2King Saud University for Health Sciences, Riyadh, Saudi Arabia

837 Evaluating medication adherence by using ASK-20 in Japanese asthmatic patients
Kawahara N1, Suzuki S1, Tanaka A1, Yokoe T1, Ohnishi T1, Sagara H2, Okano A3
1Showa University School of Medicine, Division of Allergology and Respiratory Medicine, Tokyo, Japan, 2Okano Family Clinic, Tokyo, Japan
838 **Clinical phenotypes of severe asthma**
Sergeeva O.1, Emeliyanov A.1, Leshenkova E.2, Znakhurenko A.1, Kozireva L.2
1 North-Western State Medical University named after I.I.Mechnikov, Saint-Petersburg, Russian Federation

839 **Diagnosis and treatment of asthmatic patients in Réunion Island: retrospective evaluation for the period 2000-2013**
Omarie B.1, Tanuy B.2
1 Cabinet d’Allergologie-Exploration Fonctionnelle Respiratoire et du sommeil, Saint Denis, Réunion, 2 CHU Felix Cuyon, Service des maladies Respiratoires, Saint Denis, Réunion

840 **Which asthma phenotype have poor response to omalizumab treatment**
Tepetam F.M.1, Colakoglu B.2, Keren M.1, Çiftaslan N.3, Açca M.3
1 University of Sütçü İmam, Department of Thoracic Surgery, Antakya, Turkey, 2 University of Gaziantep, Biophysics, Gaziantep, Turkey, 3 University of Gaziantep, Medical Biology, Antakya, Turkey

841 **Search of additional medical possibilities for improvement of clinical symptoms and quality of life in patients with persistent bronchial asthma burdened by OSAHS**
Elnuraya L.1, Feshchenko Y.1, Ignatieva V.1, Polianska M.2, Opimach S.1, Mozkalenko S.1, Zvol I.1, Chumak I.1, Kramarska N.1, Nazarenko K.1, Diachenko N.1
1 National Institute of Phthisiologie and Pulmonology named after F.G. Yanovsky National Academy of Medical Sciences of Ukraine, Kiev, Ukraine

842 **Quality of life improvement and reduced need for medication in asthma patients treated with omalizumab in the clinical practice in Spain: 2-year results**
Llana Santale J.J.1, Diaz Palacios M.2, Sanchez-Torii Lopez F.3, Martinez Moragon E.1, Lleonart Dominu M.1
1 Hospital General Onteniente, Onteniente, Spain, 2 Hospital Universitari Politècnic La Fe, Valencia, Spain, 3 Hospital Amare de Vilanova, Valencia, Spain, 4 Hospital Universitario Dr. Peset, Valencia, Spain, 5 Novartis Farmacèutica S.A, Barcelona, Spain

843 **Assessment the role of ACT, number of asthma attacks and asthma severity on good asthma control with logistic ROC regression model**
Keskine O.1, Kul S.2, Ozmars M.Y.1, Kucukosmanoglu E.1, Bilgicelton S.1
1 University of Gaziantep, Pediatric Allergy, Gaziantep, Turkey, 2 University of Gaziantep, Pediatric Biostatistics, Gaziantep, Turkey

844 **Effect of a costimulatory signal antagonist on steroid resistant asthma model**
Moroi A.1, Koyama S.1, Yamauchi M.1, Iijima Y.1, Ohtomo-Abe A.1, Ohtomo T.1, Saito N.1, Kinoshi A.1, Hayashi H.1, Watarai K.1, Mitsui C.1, Oshikata C.1, Sekiya K.1, Tsunbrui T.1, Maeda Y.1, Ohtomo M.1, Futomi Y.1, Tanui M.1, Akiyama K.1, Kamurnina Q.2
1 National Hospital Organization, Sagamihara National Hospital, Clinical Research Center, Sagamihara, Japan, 2 Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

845 **The observed incidence of adverse reactions in patients receiving omalizumab therapy in a tertiary allergy and asthma clinic in Canada**
Harrison B.1, Santucci S.1, MacRae M.1, Yang WH.1,2
1 Ottawa Allergy Research Corporation, Ottawa, Canada, 2 University of Ottawa, Medical School, Ottawa, Canada

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**Poster Session (TPS 13) - Translational asthma research**

**Chairs:** Stefano Del Giacco, Italy
Valentina Gutiérrez-Val, Spain

846 **Cell penetrating peptide complexed with siRNA targeted to IL-4 decrease airway inflammation and airway hyperresponsiveness in a mouse model of allergic asthma**
Shilovsky I.1, Babakhin A.1, Prozorova M.1, Gaisina A.1
1 National Research Center - Institute of Immunology FMB A of Russia, Personalized Medicine and Molecular Immunology, Moscow, Russian Federation, 2 National Research Center - Institute of Immunology FMB A of Russia, Laboratory of Drug-diagnostic Forms, Moscow, Russian Federation

847 **Effect of azithromycin on airway inflammation and remodeling in a murine model of chronic asthma**
1 Bucheon St. Mary’s Hospital, The Catholic University of Korea, Internal Medicine, Gyeonggi-do, Republic of Korea, 2 The Catholic University of Korea Medical College, Seoul, Republic of Korea

848 **Acute exposure to silica nanoparticles aggravate airway inflammation: different effects according to surface characteristics**
Han H.1, Park H.J.2, Sohn J.H.-H.3, Kim Y.-J.1, Park Y.H.1, Park K.H.1, Lee K.1, Choi H.1, Park J.W.1, Lee J.H.1
1 Yonsei University College of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, Seoul, Republic of Korea, 2 Hanyang University, Hanyang Biomedical Research Institute, Department of Life Science, Research Institute for Natural Sciences, Seoul, Republic of Korea, 3 Yonsei University College, Department of Chemical and Biomolecular Engineering, Seoul, Republic of Korea

849 **Development of chronic adjuvant-free bronchial asthma model in mice**
Prozorova M.S.1, Shilovsky I.P.1, Babakhin A.A.1, Gaisina A.R.1, Kamishnikov O.Y.1, Khaitov M.R.1, Labinova D.V.1
1 National Research Center - Institute of Immunology, Moscow, Russian Federation

849A **Effects on histological changes on the BAL fluid of asthma medications**
Ozkaras M.Y.1, Keskine O.1, Tokur M.2, Göçebakan B.2, Çıralık H.1, Kucükosmanoğlu E.1, Demirel C.5, Ulaşlı M.6, Özçütçu S.5, Kahraman H.7
1 University of Gaziantep, Pediatric Allergy, Gaziantep, Turkey, 2 University of Sütcü Imam, Department of Thoracic Surgery, Kahramanmaras, Turkey, 3 Mustafa Kemal University Faculty of Medicine, Medical Biology, Antakya, Turkey, 4 University of Sütcü Imam, Department of Pathology, Kahramanmaraş, Turkey, 5 University of Gaziantep, Biophysics, Gaziantep, Turkey, 6 University of Gaziantep, Medical Biology, Gaziantep, Turkey, 7 University of Gaziantep, Pediatric Allergy, Gaziantep, Turkey
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<td>851</td>
<td>Specific IgE to Staphylococcus aureus enterotoxins is related to asthma control in patients with adult asthma</td>
<td>Jinno M.1, Tanaka A.1, Mizuma H.1, Yamauchi M.1, Ohita S.1, Homma T.1, Yamamoto M.1, Watanabe Y.1, Suzuki S.1, Yokoe T.1, Sagara H.1</td>
<td>Showa University, School of Medicine, Department of Internal Medicine, Division of Allergy and Respiratory Medicine, Tokyo, Japan</td>
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<td>852</td>
<td>Vitamin D status and T helper cell activity markers in preschool multitrigger wheezers</td>
<td>Kotanieri-Syrjanen A.1, Määttä A.1, Deleczuch W.2, Sundvall J.3, Malmberg P.1, Punnponen K.2, Matinlauri I.1, Pelkonen A.1, Mäkelä M.1</td>
<td>Skin and Allergy Hospital, University of Helsinki and Helsinki University Hospital, Department of Allergology, Helsinki, Finland</td>
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<td>853</td>
<td>Comparisons between serum level of IL-35 in children with persistent asthma and healthy children of 2-15 year old referring to Imam Reza Clinic from October 2012 to October 2013</td>
<td>Mashhad University of Medical Science, Shiraz, Islamic Republic of Iran</td>
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<td>Can exhaled nitric oxide be a surrogate marker bronchial hyperresponsiveness to adenosine 5'-monophosphate in steroid-naive asthmatic children?</td>
<td>Arqa M.1, Bakirtas A.1, Topal E.1, Turktas I.1</td>
<td>Gazi University Faculty of Medicine, Department of Pediatric Allergy and Asthma, Ankara, Turkey</td>
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<td>855</td>
<td>Analysis of the level INFγ and IL-4 in children with bronchial asthma (BA) infected with Mycoplasma pneumoniae and Cl. pneumoniae</td>
<td>Ilyenkova N.1, Tereshchenko S.1, Alekseeva O.1, Cherepanova I.1, Krasnoyarsk State Medical University named after Professor V.F. Vosyio-Yasenetsky, Krasnoyarsk, Russian Federation, Scientific research institute of medical problems of the North, Krasnoyarsk, Russian Federation</td>
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<td>856</td>
<td>Specific IgE and asthma in children</td>
<td>Lazova S.1, Petrova G.1, Miteva D.1, Kalimanovskova T.1, Ivanova-Todorova E.1, Velitova T.1, Perenikova P.1</td>
<td>Medical University of Sofia, Pediatric Department, Sofia, Bulgaria, Medical University Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, University Hospital “St. Ivan Rilski”, Department of clinical Immunology, Sofia, Bulgaria, “University Hospital “Sv. Ivan Rilski”, Department of clinical Immunology, Sofia, Bulgaria</td>
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<td>857</td>
<td>Asthma biomarkers and triple therapy in uncontrolled severe asthma</td>
<td>Janeva E.1, Goseva Z.1, Gjorceva A.1, Zdravkova A.1, Dimitrievska D.1, Trajkov D.3, Genadieva Dimitrova M.4</td>
<td>PHI University Clinic of Pulmonology and Allergology, Pulmonology and Allergy, Skopje, Macedonia, the Republic of, Institute of Immunobiology and Human Genetics, Skopje, Macedonia, the Republic of, PHI University Clinic of gastroenterology, Skopje, Macedonia, the Republic of</td>
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<td>858</td>
<td>Case of a child with severe asthma symptoms masking tracheal stenosis</td>
<td>Maboblishvili N.1, Gotua M.1</td>
<td>Center of Allergy and Immunology, Tbilisi, Georgia</td>
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Poster Session (TPS 14) - Molecular sketches on the allergic patient

**Chairs:** Anna Nopp, Sweden
Moises Labrador-Horillo, Spain

859 Sensitisation to both PR-10 and non-pollen related food allergens is common in food sensitised subjects in The Netherlands
Blankenstein M.A.1, Kruis A.C.1, Otten H.G.2, Bruinzeel-Koomen C.A.F.M.1, Knoel E.F.2, Klemans R.J.B.1
1University Medical Center Utrecht, Dermatology & Allergology Department, Utrecht, The Netherlands, 2University Medical Center Utrecht, Immunology Department, Utrecht, The Netherlands

860 Clinical value of component-based diagnosis in pollen-allergic patients
Horák F.1
1Allergy Center Vienna West, Vienna, Austria

861 Panallergens (Phi p 7 + Phi p 12) in vitro allergic sensitisation profile, in patients with seasonal allergic rhinitis and positive skin prick test to both grass and olive pollens. Results of the GRAMOLE study
Dávalo J.1, Iglesias-Cadasso A.2, Moreno-Ancillo A.1, Moreno C.4, Quiralté J.1, Azpeitia A.4
1Hospital Clínico, Salamanca, Spain, 2Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 3Hospital Nuestra Señora del Prado, Talavera de la Reina, Spain, 4Hospital Reina Sofia, Córdoba, Spain

862 Immunocap ISAC®: contribute for the study of sensitisation patterns to pollens in patients with respiratory allergy
Almeida JP.1, Prates S.2, Finelli E.2, Paiva M.2, Martins P.2, Pinto PL.2
1Department of Immunology, Santa Maria Hospital, Lisbon, Portugal, 2Department of Immunology, Dona Estefania Hospital, Lisbon, Portugal

863 Molecule allergen diagnose of pollen allergy patients in southern China
Luo W.1, Sun B.2, Zeng G.1, Huang H.1, Wei N.1, Zheng P.1
1State Key Laboratory of Respiratory Disease, First Affiliated Hospital of Guangzhou Medical University, Guangzhou Medical University, Allergy Department, Guangzhou, China

864 The presence of serum IgE-antibodies to lipid transfer protein as a risk factor for anaphylaxis in patients with food and pollen allergy
Bala A.1, Mokronosova M.2
1Helix Laboratory Service, Saint Petersburg, Russian Federation, 2Mehnikov’s Research Institute for Vaccines and Sera, Moscow, Russian Federation

865 Differences of molecular sensitisation profile towards animal and pollen allergens revealed by allergen micro-array in two generation of patients with respiratory allergy
Garb V.1, Wolfmann E.1, Gjambekova G.2, Valenta R.1
1Vienna Medical University, Division of Immunopathology Dept of Pathophysiology, Vienna, Austria, 2Institute of Therapy, Allergology, Tashkent, Uzbekistan

866 Cross-reactivity of dog lipocalins (Can f 1/Can f 2) with other mammalian lipocalins
Moya R.1, López-Matas M.A.1, Iraola V.1, Morales M.1, Leonor J.R.1, Gallego M.1, Camés J.1
1Laboratorios Leti, R&D, Tres Cantos (Madrid), Spain

867 Molecular profile in a population sensitised to animal dander
Garriga-Companys S.1, Labrador-Horillo M.1, Luengo O.1, Guirlarte M.1, Sala-Cunill A.1, Cardona V.1
1Hospital Vall d’Hebron, Barcelona, Spain

868 Sensitizing profile of the pet’s molecular allergenic components in patients with respiratory allergy
Bass E.1, Mokronosova M.1, Bala A.4, Zheltikova T.1
1Mehnikov Research Institute for Vaccines and Sera, Moscow, Russian Federation, 2Helix Laboratory Service, St. Petersburg, Russian Federation

869 Usefulness of component-resolved (CRD) diagnosis in patients with pet allergy
Währ S.1, Hemmer W.1, Sesztak-Greinecker G.1, Wanke F.1
1Floridsdorf Allergy Centre, Vienna, Austria

870 Bird-egg and egg-bird syndromes: which came first?
João M.1, Aquiar R.1, Vegas L.1, Costa A.C.1, Santos M.C.P.2,3, Pereira-Barbosa M.A.1
1Hospital de Santa Maria, CHLN, E.P.E., Immunology Department, Lisbon, Portugal, 2Faculdade de Medicina da Universidade de Lisboa / Instituto de Medicina Molecular, Laboratory of Clinical Immunology, Lisbon, Portugal

871 Sensitisation to Dermatophagoides pteronyssinus and D. fariniae in Valencia, Spain: to mix or not to mix, is the question?
Cases B.1, Nieto M.2, Mazón A.2, Lafuente I.2, Ulxera S.2, Nieto A.2, Hales B.J.3, Thomas WR.3, Fernández-Caldas E.1
1Inmunotek SL, Alcalá de Henares, Spain, 2Children’s Hospital La Fe, Unit of Pediatric Allergy and Pulmonology, Valencia, Spain, 3Telethon Kids Institute, The University of Western Australia, Crawley, Australia

872 Dermatophagoides pteronyssinus component-resolved diagnosis among allergic patients in southern Portugal
Semedo E.1, Cruz C.1, Cardoso B.1, Pires A.P.1, Tomaz E.1, Ferreira F.1, Inácio F.1
1Hospital São Bernardo, Serviço de Imunologia, Setúbal, Portugal

873 Component-resolved diagnostic study of Dermatophagoides pteronyssinus major allergen molecules in a Southern Chinese cohort
Luo W.1, Sun B.2, Zeng G.1, Zheng P.1, Wei N.1, Huang H.1
1State Key Laboratory of Respiratory Disease, First Affiliated Hospital of Guangzhou Medical University, Guangzhou Medical University, Allergy Department, Guangzhou, China
Poster Session (TPS 15) - Adult asthma

Chairs: William Busse, United States
Matteo Bonini, Italy

874 Immunoglobulin E to allergen components of house dust mite in children with allergic disease
Kim HH
1, Kim H.S.
2, Chun Y.H.
1, Yoon J.-S.
2, Kim J.T.
2
1The Catholic University of Korea Bucheon St. Mary's Hospital, Pediatrics, Bucheon-si, Republic of Korea, 2The Catholic University of Korea Medical College, Seoul, Republic of Korea

875 Allergenicity of recombinant tropomyosin from silkworm
Lee J.Y.
1, Jeong K.Y.
1, Han I.-S.
1, Park K.H.
2, Lee J.-H.
2, Park J.-W.
2
1BK 21 Plus Project for Medical Science, Yonsei University, Yonsei University College of Medicine, Internal Medicine, Institute of Allergy, Seoul, Republic of Korea, 2Yonsei University College of Medicine, Internal Medicine, Institute of Allergy, Shanghai, China

876 Differential in vitro IgE binding to shrimp allergens among Australian adults and children – improved Component Resolved Diagnostics for shrimp allergy
Kamath S.D.
1,2,3, Johnston E.B.
1,2, Koplin J.J.
1,2,3, Reiland J.M.
1, O'Hehir R.E.
1,2, Schaeffer P.M.
1,2, Allen K.J.
2,3, Lopata A.L.
1,2,3
1James Cook University, Centre for Biodiscovery and Molecular Development of Therapeutics, Townsville, Australia, 2Australian Institute of Tropical Health and Medicine, Townsville, Australia, 3Centre for Food and Allergy Research, Murdoch Childrens Research Institute, Melbourne, Australia, 4James Cook University, Supramolecular & Synthetic Biology Group, Townsville, Australia, 5University of Melbourne, Melbourne, Australia, 6The Alfred Hospital & Monash University, Department of Allergy, Immunology and Respiratory Medicine, Melbourne, Australia

877 Acute respiratory failure in asthmatics patients: series of 5 years in an intensive care unit
Martins M.1, Domingos G.2, Bacariza J.3, Gonçalves I.2, Inácio F.1, Ribeiro R.1
1Hospital São Bernardo, Immunology, Setúbal, Portugal, 2Hospital São Bernardo, Intensive Care, Setúbal, Portugal

878 Pathogenesis related-10 proteins in patients with adult asthma
Tanaka A.1, Jinno M.1, Mizuma H.1, Yamauchi M.1, Ohta S.1, Homma T.1, Yamamoto M.1, Watanabe Y.1, Suzuki S.1, Yokoe T.1, Saqara H.1
1Showa University, School of Medicine, Department of Internal Medicine, Division of Allergy and Respiratory Medicine, Tokyo, Japan

879 Severe asthma and atopy
Lluncar M.1, Alvez A.1, Canabal J.1, Romero D.2, Barranco P.1, Quirce S.1
1Hospital Universitario La Paz, Allergy Department, Madrid, Spain, 2Hospital Universitario La Paz, Pulmonology Department, Madrid, Spain

880 Bone mineral density and clinical features of ICS using chronic airway diseases
Kim K.G.1, Oh J.Y.2, Sim J.K.1, Min K.H.1, Lee S.Y.1, Shim J.J.1, Kang K.H.1
1Korea University College of Medicine, Internal Medicine, Seoul, Republic of Korea

881 Exacerbation of asthma – characterisation of a department
Silva A.1, Gomes R.1, Machado D.1, Gamboa F.1, Segorge-Luis A.1
1Coimbra University Hospital Centre, Coimbra, Portugal

882 Epidemiological study of bronchial asthma and analysis of asthma pathogenesis related factors
Yinshi G.1, Yueyan L.2, Qing Z.2, Li S.2, Yaru Y.2, Yiwei W.2, Yanhua X.2, Jinglan W.2
1Renji Hospital, Shanghai Jiaotong University School of Medicine, Allergy, Shanghai, China, 2Renji Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China

Clinical usefulness of impulse oscillometry in elderly patients with asthma and chronic obstructive lung disease
Park C.-S.1, Gil-Soon C.2, Park J.-H.1, Kim S.-Y.1, Jang H.-J.1, Kim H.-K.1
1Inje University Haenundae Paik Hospital, Internal Medicine, Busan, Republic of Korea, 2Kosin University College of Medicine, Department of Allergy and Clinical Immunology, Busan, Republic of Korea

Asthma and outcomes of bloodstream infection caused by Escherichia coli: a population-based cohort study
Yang H.1,2, Bang D.W.1,2, Ryoo E.1,4, Al-Hasan M.N.5,6, Baddour L.M.6,4, John Y.J.1,6
1Mayo Clinic, Department of Pediatric and Adolescent Medicine, Rochester, United States, 2Soongchunhyang University Hospital, Department of Pediatrics, Seoul, Republic of Korea, 3Soongchunhyang University Hospital, Department of Internal Medicine, Division of Cardiology, Seoul, Republic of Korea, 4Gil Hospital, Gachon University School of Medicine, Department of Pediatrics, Inchon, Republic of Korea, 5University of South Carolina School of Medicine, Department of Medicine, Division of Infectious Diseases, Columbia, United States, 6Mayo Clinic, Department of Medicine, Division of Infectious Diseases, Rochester, United States

The pathway between predictive factors and quality of life in adult asthma
Hsiao H.-W.1, Lin M.-C.2, Wu C.-C.2, Wang T.-N.1
1Kaohsiung Medical University, Public Health, Kaohsiung, Taiwan, 2Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan, 3Kaohsiung Medical University, Kaohsiung, Taiwan

Asthma registry study Saarland (ARSS): comorbidities of bronchial asthma in Germany – an epidemiological study
Heck S.1, Al-Shobash S.1, Rapp D.2, Le D.D.1, Flaig M.3, Herian W.3, Bals R.1, Wagenpfel S.2, Dinh Q.T.1
1Saarland University, Experimental Pneumology and Allergology, Homburg, Germany, 2Saarland University, Biometry, Epidemiology and Clinical Informatics, Homburg, Germany, 3Saarland University, Internal Medicine V, Pneumology,
Allergology and Respiratory Critical Care Medicine, Homburg, Germany; 2Statutory Health Insurance Physicians Saarland, Head of the Regulatory Management Division, Association of Statutory Health Insurance Physicians Saarland, Saarbrücken, Germany

887 Asthma and quality of life in the elderly
Gomes Belo 1,2, Martins P.1,2, Palmeiro T.1, Caires I.1, Leiria Pinto P.1,2, Neuparth N.1,2
1Hospital Dona Estefânia, Allergology and Clinical Immunology Department, Lisbon, Portugal; 2CEDOC, NOVA Medical School / Faculdade de Ciências Médicas, Universidade Nova de Lisboa, Lisbon, Portugal

Prevalence of allergic diseases and associated risk factors in school-age children and in adults of center Erzurum, an Eastern province of Turkey
Baccioglu A.1, Soufi A.2, Kılıç O.1, Beyhun E.4
1Erzurum Region Training and Research Hospital, Clinic of Immunology and Allergy Diseases, Erzurum, Turkey; 2Erzurum Region Training and Research Hospital, Clinic of Pediatric Immunology and Allergy Diseases, Erzurum, Turkey; 3Erzurum Region Training and Research Hospital, Clinic of Pediatric Infectious Diseases, Erzurum, Turkey; 4Atatürk University Faculty of Medicine, Department of Public Health, Erzurum, Turkey

Prevalence of aspirin exacerbated respiratory disease in patients with asthma in the centre of allergy – clinical immunology in Bach Mai Hospital from 2012 to 2014
Khairh B.V.1,2, Nhu N.N.1,2, Chi H.C.3, Phuong N.H.3
1Bach Mai Hospital, Center of Allergy - Clinical Immunology, Hanoi, Vietnam; 2Ha Noi Medical University, Allergy and Clinical Immunology Department, Hanoi, Vietnam; 3The Center of Allergy and Immunology, Bach Mai Hospital, The Center of Allergy and Immunology, Bach Mai Hospital, hanoi, Vietnam

Poster Session (TPS 16) - Common variable immunodeficiency and other B-cell defects

Chair:  Jiri Litzman, Czech Republic

895 Common variable immunodeficiency and pulmonary amyloidos: a case report
Arslan S.1, Ucar R.1, Yavsan D.M.2, Esen H.3, Maden E.3, Reisli I.4, Caliskaner A.Z.5
1Necmettin Erbakan University, Meram Faculty of Medicine, Immunology and Allergic Disease, Konya, Turkey; 2Necmettin Erbakan University, Meram Faculty of Medicine, Pulmonology, Konya, Turkey; 3Necmettin Erbakan University, Meram Faculty of Medicine, Pathology, Konya, Turkey; 4Necmettin Erbakan University, Meram Faculty of Medicine, Pediatric Immunology, Konya, Turkey

896 Quality of life in common variable immunodeficiency patients treated with 20% subcutaneous immunoglobulin (SCIG) – Hizentra
Morariu R.M.1, Pedini V.1, Marinangeli L.2, Gelardi C.1, Savore I.1, Paolini L.1, Cardinaletti P.1, Danieli M.G.1
1Università Politecnica delle Marche, Clinical Medicine, Ancona, Italy; 2Università Politecnica delle Marche, Allergy and Clinical Immunology, Ancona, Italy

897 Radiologic findings of primary humoral immunodeficiency in Mexican patients
Camacho Ordóñez N.1, Soltero Robledo R.1, García Cruz ML.1, Ramírez Jimenez F.1, Pavón Romero G.F.1, Ruiz Morales RD.1, Sanchez de la Vega Reynoso P.1, Perez Estrella Z.1, Molina Macip M.1, Teran LM.1
1National Institute of Respiratory Diseases ‘Ismael Cosio Villegas’, Immunogenetics and Allergy, Mexico City, Mexico; 2National Institute of Respiratory Diseases ‘Ismael Cosio Villegas’, Radiology, Mexico City, Mexico

898 Activation of granulocytes in common variable immunodeficiency and hereditary angioedema
Hlaváčková E.1, Tichá O.1, Haki R.1, Litzman J.1
1St. Anne’s University Hospital, Department of Clinical Immunology and Allergology, Brno, Czech Republic

899 The content of pro- and anti-inflammatory cytokines in different phenotypes of primary a – and hypo-gammaglobulinemia
Szyjakiewicz L.1, Andreeva I.1, Goloshubova E.I.1
1Russian State Medical University, Rostov-on-Don, Russian Federation

The prevalence of airway allergic diseases and sensitisation among urban office workers and forest service workers
Kim WK.1,2, Yoon H.-S.1, Park S.3
1Inje University College of Medicine, Seoul Paik Hospital, Pediatrics, Seoul, Republic of Korea; 2Inje University College of Medicine, Allergy & Respiratory Research Laboratory, Seoul, Republic of Korea; 3Korea Forest Research Institute, Seoul, Republic of Korea

Asthma prevalence in Trinity university students’ group
Romantowski J.1, Gawinowska M.1, Jassem E.1, Chelminska M.1, Niedoszytko M.1
1Medical University of Gdańsk, Allergology and Pneumonology, Gdańsk, Poland

Immunomodulatory therapy in patients with asthma
Ciobanu A.1, Loureiro C.1, Loureiro G.1, Todo-Bom A.1
1Coimbra University Hospital Centre, Coimbra, Portugal

Occupational asthma with rare allergen sensitisation
Marton C.1
1Oradea County Hospital, Oradea, Romania

Characteristics of patients with significant pulmonary function change in a negative airway reversibility test in obstructive airway disease
Lee W.Y.1, Lee S.-J.1, Lee M.K.1, Kim S.-H.1, Yoo K.H.2, Park Y.B.3, Choi J.3, Choi Y.S.1, Choi J.S.1, Jung Y.-R.1, Yong S.J.1
1Yonsei University Wonju College of Medicine, Department of Internal Medicine, Wonju, Republic of Korea; 2Konkuk University College of Medicine, Department of Internal Medicine, Seoul, Republic of Korea; 3Hallym University Medical Center, Hallym University College of Medicine, Department of Pulmonary, Allergy and Critical Care Medicine, Anyang, Republic of Korea
900 Is there any marker to predict target organ involvement in combined immunodeficient patients?
Ogulur I.1, Karakoc-Aydiner E.1, Biras S.1, Kyilkim A.1, Nain E.1, Ozen A.1, Barlan I.1
1Marmara University, Division of Pediatric Allergy-Immunology, Istanbul, Turkey

901 Factors modifying the clinical picture of the children with transient hypogammaglobulinemia of infancy
Jesenjak M.1,2, Banovcin P.1, Krosilakova B.1, Petrovicova O.1, Kosturjak R.1,2, Babusikova E.1
1Jesenius Faculty of Medicine, Comenius University in Bratislava, Department of Paediatrics, Center for Diagnosis and Treatment of Primary Immunodeficiencies, Martin, Slovakia,
2Department of Pulmonology and Phthisiolojy, Jesenius Faculty of Medicine, Comenius University in Bratislava, Martin, Slovakia,
3Outpatient Clinic for Clinical Immunology and Allergology, Nitra, Slovakia,
4Jesenius Faculty of Medicine, Comenius University in Bratislava, Department of Medical Biochemistry, Martin, Slovakia

902 Para-infectious pericarditis as rare complication in X-linked agammaglobulinemia
Duarte Ferreira R.1, Silva S.P.1, Branco Ferreira M.1, Lopes Silva S.1, Barbosa M.P.1
1Hospital de Santa Maria, CHLN, E.P.E., Immunoloaergology, Lisboa, Portugal

903 Common variable immune deficiency versus protein losing enteropathy
Tudose A.M.1, Cretu I.D.1, Dumitrescu N.V.1, Albert K.1
1Clinical Hospital ´Nicolaie Malaxa´, Bucharest, Romania

904 B cells subpopulations in patients after splenectomy
Poherska J.1, Kraľ V.1, Jilková E.1, Zíková J.1, Jilek D.1, Richter J.1
1Institute of Public Health, Immunology and Microbiology Department, Usti nad Labem, Czech Republic,
2Institute of Public Health, Centre of Health Services, Usti nad Labem, Czech Republic

905 Investigation of IgE-level in persons without immunodefiency
Karakina M.1, Pashnina I.1, Krivolapova I.1, Hakimova S.2, Beltukov E.2
1Institute Immunology and Physiology of Ural Branch of Russian Science Academy, Ekaterinburg, Russian Federation,
2Ural State Medical University, Ekaterinburg, Russian Federation

Poster Session (TPS 17) - Allergen immunotherapy efficacy and compliance

906 Favourable impact of 300IR birch pollen sublingual immunotherapy solutions supported by the global evaluation of the efficacy on control of allergic rhinitis
Worm M.1, Radu C.1, De Blay F.1, Malling H.-J.1, Arvidsson M.1, Rak S.4
1Campus Charité Mitte, Universitätsmedizin Berlin, Allergie-Centrum-Chárté, Berlin, Germany,
2Strasbourg University Hospital, Chest Diseases Department, Strasbourg, France,
3University Hospital, Allergy Clinic, Copenhagen, Denmark,
4Sahlgrenska University Hospital, Asthma and Allergy Research Group, Department of Respiratory Medicine and Allergology, Göteborg, Sweden

907 Timing of changes in quality of life scores and rhinoconjunctivitis symptom scores in patients with perennial allergic rhinoconjunctivitis in the course of six months sublingual immunotherapy
Christoff G.C.1,2, Karova E.G.3
1Medical University of Sofia, Faculty of Public Health, Department of Health Technology Assessment, Sofia, Bulgaria,
2Tokuda Hospital Sofia, Allergy Outpatient Clinic, Sofia, Bulgaria,
3Medical University of Sofia, Faculty of Dental Medicine, Department of Conservative Dentistry, Sofia, Bulgaria

908 Clinical experience of subcutaneous immunotherapy to grass pollen in the regional allergy and immunology unit in Newcastle upon Tyne hospitals NHS trust
Gault A.C.1, Bourne H.1, Stroud C.1, Spickett G.1, Fay A.1
1Newcastle upon Tyne NHS Trust, Allergy and Immunology Department, Newcastle upon Tyne, United Kingdom

909 Immunological changes precedes clinical effects of omalizumab in venom immunotherapy
Kosice P.1, Kosˇnik M.1, Slar M.1, Koroˇsec P.1
1University Clinic of Pulmonary and Allergic Diseases Golnik, Golnik, Slovenia

910 Linking composition of the house dust mite extract with IgE-sensitisation profile in a preventive sublingual immunotherapy trial in preschool children
Bannert C.1, Hassler M.1, Debiasi M.1, Ronceray L.1, Mayer E.1, Schmidhalter K.1, Wissmann E.1, Dehlink E.1, Eiwegr T.1, Lupinek C.2, Valenta R.2, Szépfalusi Z.1
1Medical University Vienna, Department of Pediatrics and Adolescent Medicine, Vienna, Austria,
2Medical University Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria

911 Allergen specific immunotherapy for house dust mites: efficacy on control of allergic rhinitis
Novakova S.M.1, Mateva N.2, Yoncheva M.1, Novakova P.1,2
1University Hospital ´Sw. Georgi´, Plovdiv, Bulgaria,
2Faculty of Public Health, Medical University, Plovdiv, Bulgaria,
3Medical University, Plovdiv, Bulgaria

912 Efficacy of preseasonal high-dose hypoallergenic grass pollen SCIT in formerly placebo-treated patients in the open-label phase
Mussler S.1, Kettner J.1, Akboga Y.1, Thum-Ofner S.1
1Allergopharma GmbH & Co. KG, Reinbek, Germany

913 Rate of protection from hymenoptera stings according to the different venoms used for immunotherapy
Incoryva C.1, Mauro M.1, Ridolo E.1, Boni E.1, Buttafava S.1, Frati F.1
1ICP Hospital, Allergy/Pulmonary Rehabilitation, Milan, Italy,
2Sant’Anna Hospital, Allergy Unit, Como, Italy,
3University of Parma, Department of Clinical and Experimental Medicine, Parma, Italy,
4Stallergenes Italia, Medical and Scientific Department, Milan, Italy
914 Specific immunotherapy with Der p in polysensitised and monosensitised patients: which is more effective on local allergic response?
Soyvuoğlu D.1, Guloğlu D.1, İrkinçoğulu İ.2, Seçili D.1, Öztuna D.1, Mungan D.1, Mısırlıgil Z.1, Sin B.A.1
1Ankara University, School of Medicine, Department of Immunology and Allergic Diseases, Ankara, Turkey; 2Ankara University School of Medicine, Department of Pediatric Immunology and Allergy, Ankara, Turkey; 3Ankara University, School of Medicine, Department of Biostatistics, Ankara, Turkey

915 Long-term efficacy of sublingual immunotherapy in grass pollen induced allergic rhinitis
Stosovic R.1, Tomic Spirc V.2, Peric Popadic A.2, Djuric V.2, Raskovic S.2, Bolpacic J.2, Bogic M.2
1Medical School University of Belgrade/Clinical Center of Serbia, Clinic of Allergology and Immunology, Belgrade, Serbia; 2Medical Faculty University of Belgrade/Clinical Center of Serbia, Clinic of Allergology and Immunology, Belgrade, Serbia

916 Study on influential factors associated with the long-term effect of Chinese allergic rhinitis specific immunotherapy
Qiu Q.1, Li X.1
1Guangdong General Hospital, Guangdong Academy of Medical Science, Department of Otolaryngology, Guangzhou, China

917 Efficacy and safety of sublingual immunotherapy in children 6 – 24 months of age with allergic rhinitis and asthma sensitised to domestic mites: Summary
Celio Murillo R.1,2,3, Rodríguez Santos O.1,2, Cruz Suarez M.A.1,2, Laurrabajo Miranda A.M.1,2, Cruz Marmolejo M.A.2
1Benemerita University Autonoma de Puebla, Alergologia e Inmunologia y Pediatria, Tehuacan, Mexico; 2Colegio de Pediatria del Estado de Puebla, Presidencia, Puebla, Mexico; 3Unidad de Medicina Integral, Alergologia e Inmunologia y Pediatria, Tehuacan, Mexico; 4Policlinico Previsora, Alergologia e Inmunologia, Camaquey, Cuba; 5Centro Medico de Especialidades, Alergologia e Inmunologia, Ciudad Juarez, Mexico; 6Centro Regional Adolfo Lopez Mateos ISSSTE, Alergologia e Inmunologia Clinica, Mexico DF, Mexico; 7Centro Medico de Especialidades, Alergologia e Inmunologia, Ciudad Juarez, Mexico

918 Der p1 and Der p2 sIgE curative effect evaluation for specific immunotherapy
Zhang P.1, Sun B.1, Zeng G.1, Wei N.2, Huang H.2
1Guangzhou Institute of Respiratory Disease, The First Affiliated Hospital of Guangzhou Medical University, Guangzhou Medical University, Department of Allergy and Clinical Immunology, Guangzhou, China; 2Guangzhou Institute of Respiratory Disease, Department of Allergy and Clinical Immunology, Guangzhou, China

919 Perspectives and knowledge levels for immunotherapy in parents of children with allergic rhinitis and allergic asthma
İşik S.1, Çağlayan-Sözmen Ş.1, Asilsoy S.1, Kılıçarslan S.2, Uzuner N.1, Anıl O.1, Karahan O.1
1Dokuz Eylül University Faculty of Medicine, Pediatric Allergy and Immunology, Izmir, Turkey; 2Dokuz Eylül University Faculty of Medicine, Izmir, Turkey

920 Frequency and compliance of specific immunotherapy in patients with allergic rhinitis from two German Federal States
Balakirski G.1, Hajdu Z.1, Hoeflich C.1, Baron J.M.1, Kaiser L.1, Czaja K.1, Merk H.F.1, Gerdsen S.1, Strassen U.2, Bas M.2, Bier H.2, Dott W.1, Muecke H.-G.1, Straff W.1, Chaker A.2, Roeseler S.1
1University Hospital of Aachen, Department of Dermatology and Allergology, Aachen, Germany; 2University of the Technical University of Munich, ENT-Department, Munich, Germany; 3Federal Environment Agency, Section II 1.5 Environmental Medicine and Health Effects Assessment, Berlin, Germany; 4University Hospital of Aachen, Institute for Hygiene and Environmental Medicine, Aachen, Germany

921 Adherence to subcutaneous immunotherapy: real-life data from a large tertiary medical center
Gelinck A.1, Demir S.1, Olgar M.1, Khishigsuren B.1, Özseker Z.F.2, Çolakoğlu B.1, Buyukozturk S.1
1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey; 2Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Istanbul, Turkey; 3Süreyyapasha Chest Diseases and Thoracic Surgery Training and Research Hospital, Allergy Department, Istanbul, Turkey

922 Long-term compliance with the 300IR 5-grass pollen sublingual tablet in subjects with grass pollen-induced allergic rhinoconjunctivitis
Zeidin RK.1, Coignet-Sicé J.1, Paolozzi L.1
1Stallergenes S.A., Antony, France

923 Patient compliance in subcutaneous immunotherapy
Nacarolu H.T.1, Ursul Karkiner C.S.1, Gunay I.1, Erdem Bahceci S.1, Ayanoglu M.1, Dogan D.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

924 Major and minor allergen component analyses in inhalant and food allergy syndromes
Tripathy A.1, Workman L.J.1, Park J.1, Commins S.P.1, Platts-Mills T.A.E.1
1University of Virginia Medical Center, Division of Allergy and Clinical Immunology, Charlottesville, Virginia, United States

925 Sensitisation to profilin in Greece: preliminary data of a perspective study
Iligkoupolou A.1,2, Pitsios C.1, Papadopoulou A.1,2, Pasios M.1,2, Petrodimitopoulou M.1,2, Kompero E.2, Mikes N.2, Kontogianni M.1, Vovolis V.2
1Harokopio University of Athens, Department of Nutrition and Dietetics, Athens, Greece; 2Laikon General Hospital, Department of Allergology, Athens, Greece

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**Poster Session (TPS 18) - Food allergy diagnosis**

**Chairs:** Rob Klemans, The Netherlands
Alexandra Santos, United Kingdom

**924 Major and minor allergen component analyses in inhalant and food allergy syndromes**

**925 Sensitisation to profilin in Greece: preliminary data of a perspective study**
926 Peanut, tree nuts and seeds patterns of sensitisation – a single-center experience
Finelli E.1, Pires S.1, Llera Pinto P.1
1Dona Estefânia Hospital, Immunoallergology Department, Lisbon, Portugal

927 Allergic reactions to lemon seeds in cashew nut allergic children – four Swedish cases
Brandström L.1, Lilja G.1, Brostedt P.1, Ekelof H.2, Nilsson C.1, Englund H.2
1Karolinska Institutet, Södersjukhuset, Department of Clinical Science and Education, and Sachs’ Children and Youth Hospital, Stockholm, Sweden, 2Thermo Fisher Scientific, R&D, ImmunoDiagnostics, Uppsala, Sweden

928 Clinical Importance of component resolved diagnosis in birch sensitised oral allergy syndrome patients
Park K.1 H., Kim J.1, Kim D.H.1, Kim Y.J.1, Park J.H.1, Moon J.-.1, Park J.-W.1
1Yonsei University College of Medicine, Seoul, Republic of Korea

929 Sensitisation against PR10, Profilin, non-specific lipid transfer proteins (nsLTP) and storage proteins (SP): which recombinant allergens are required for detection?
Jurjev 1, Nemat K.2, Abraham S.2, Wolf G.2, Bauer A.2, Siegert G.2, Neumeister V.1
1Universitätsklinikum C. G. Carus, TU Dresden, Institut für Klinische Chemie und Laboratoriumsmedizin, Dresden, Germany, 2Universitätsklinikum C. G. Carus, TU Dresden, Klinik und Poliklinik für Kinderheilkunde und Jugendarztlind, Dresden, Germany

930 Predictive laboratory markers of tolerance to food allergens in children (a prospective observational study)
Petrovskaya M.1,2, Namazova-Baranova L.1,2, Makarova S.1,2
1Federal State Budgetary Institution `Scientific Centre of Children Health’ under the Russian Academy of Medical Sciences, Moscow, Russian Federation, 2IM. Sechenov First Moscow State Medical University, Moscow, Russian Federation

931 Clinical manifestations, laboratory test and conclusive diagnosis in cow’s milk allergy (CMA)
Lavrut A.J.1, Diaz M.C.2, Spinelli S.S.1, Silulitetid P.D.1, Souza V.1, Requeiro V.1
1Hospital General de Niños Dr. Pedro de Elizalde, Buenos Aires, Argentina, 2Hospital General de Niños Dr. Pedro de Elizalde, Allergy, Buenos Aires, Argentina

932 Skin prick test and egg specific-IgE threshold values in the diagnosis of egg allergy
Cigerci Guneydin N.1, Demir E.2, Nacaroglu H.T.2, Gulen F.2, Tanac R.1
1Ege University School of Medicine, Pediatric Allergy and Immunology, Izmir, Turkey, 2Dr. Behcet Uz Children Hospital, Pediatric Allergy and Immunology, Izmir, Turkey

933 Prospective evaluation of food allergic patients treated in a spanish emergency department
Barriounevo E.1, Lacombe Barrios J.1,2, Gomez F.1, Boigas G.1, Salas M.1, Sanchez M.I.1, Ruiz M.D.1, Blanca M.1, Torres M.J.1
1IBIMA-Regional University Hospital of Malaga UMA, Allergy Service, Malaga, Spain, 2CHU Sainte-Justine, Clinical Immunology and Allergy, Montreal, Canada

934 Measures taken to perform oral food challenge in pediatric patients at our hospital
Uehara H.1, Tsuchimoto K.2, Sekimoto K.1, Takenaka K.2, Sugai K.1, Oda S.1, Takeuchi H.1, Ikeda M.1,2
1National Hospital Organization, Fukuyama Medical Center, Pediatrics, Fukuyama-Hiroshima, Japan, 2National Hospital Organization, Fukuyama Medical Center, Nursing, Fukuyama-Hiroshima, Japan

935 Analysis of shrimp challenge tests in Japanese children
Ogura K.1, Sato S.1, Inoue T.2, Takei M.1, Nishino M.1, Ogawa A.2, Nagakura K.1, Emura S.1, Asaumi T.1, Okada Y.1, Ogura K.2, Unno H.1, Manabe T.1, Ikura K.1, Yanagida N.1, Ebisawa M.2
1Sagamihara National Hospital, Department of Pediatrics, Kanagawa, Japan, 2Sagamihara National Hospital, Department of Allergy, Clinical Research Center for Allergy and Rheumatology, Kanagawa, Japan

936 Diagnostic accuracy of patch test in children with food allergy
Cadayan Souzmen S.1, Gioia E.2, Mastrorilli C.2, Pavesi Dasciola C.2, Rizziotti L.1, Cafarelli C.2
1Dokuz Eylul University Faculty of Medicine, Pediatrics, Izmir, Turkey, 2Parma University Faculty of Medicine, Parma, Italy

937 IgE-mediated and non-IgE mediated mechanisms of food allergy in children
Khaleva E.1, Novic G.1, Bychkova N.2
1Saint-Petersburg State Pediatric Medical University, Saint-Petersburg, Russian Federation, 2Nikiforov Russian Center of Emergency and Radiation Medicine, Saint-Petersburg, Russian Federation

938 Usefulness of skin prick tests for diagnosis of wheat allergy among infants with atopic dermatitis
Ogawa A.1, Sato S.1, Yanagida N.2, Nishino M.1, Inoue T.1,2, Nagakura K.2, Takei M.2, Ogura K.2, Asaumi T.1,2, Ogura K.1, Manabe T.1,2, Ebisawa M.1
1Sagamihara National Hospital, Clinical Research Center for Allergy and Rheumatology, Kanagawa, Japan, 2Sagamihara National Hospital, Pediatrics, Kanagawa, Japan

939 Food allergy to milk and soy. Scrutinizing the results of the diagnostic approach
Pizzio Beltran CE.1, Navarrete Rodríguez E.M.1, Garcia Fajardo D.E.1, Del Rio Navarro B.E.1
1Hospital Infantil de Mexico Federico Gomez, Pediatric Allergy and Clinical Immunology, Mexico DF, Mexico

940 Eosinophilic esophagitis: from diagnosis to follow-up – a single-center experience
Mota I.1, Piedade S.1, Gaspar A.1, Silva D.1, Morgado S.2, Pires S.2, Ratilial P.2, Gorjão R.2, Santos F.3, Morais-Almeida M.1
1CUF Descobertas Hospital, Immunology Department, Lisbon, Portugal, 2CUF Descobertas Hospital, Gastroenterology Unit, Lisbon, Portugal, 3CUF Descobertas Hospital, Pediatrics Department, Lisbon, Portugal

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941 Evaluation of specific IgE blood test and skin prick test in eosinophilic esophagitis: our experience
Yoap Meniz AM.1, Mourelle Aquado R.2, Reaño Martos M.D.M.1, Boteanu C.1, Iglesias Cadarso A.1, Rodríguez Mosquera M.S.1
1Hospital Puerta de Hierro-Majadahonda, Madrid, Spain

942 Characterisation of the cow’s milk allergenic proteins in Iranian children
Behroo L.1, Ghafourian M.2
1AJUMS, Nutrition, Ahvaz, Islamic Republic of Iran, 2AJUMS, Immunology, Ahvaz, Islamic Republic of Iran

Poster Session (TPS 19) - Food allergy – management

943 Prick puncture skin testing; in-vivo diagnostic conducts for verifying the IgE-mediated peanut allergy
Behroo L.1, Ghafourian M.2
1AJUMS, Nutrition, Ahvaz, Islamic Republic of Iran, 2AJUMS, Immunology, Ahvaz, Islamic Republic of Iran

944 To face fear: a qualitative study of adolescents’ experiences of double-blind, placebo-controlled food challenges
Strinnholm Å.1, Winberg A.2, Hedman L.1, Rönmark E.1, Lindh V.1,2
1Public Health and Clinical Medicine, the OLIN Unit, Umeå University, Umeå, Sweden, 2Umeå University, Clinical Sciences, Pediatrics, Umeå, Sweden

945 Quality of life and long term management survey in Omega-5-Gliadin allergy
Zührich C.M.1, Hew M.1, O’Hehir R.E.1, Puy R.M.1
1Alfred Hospital, AIRMED, Prahran, Australia

946 A qualitative study of mothers’ perceptions of weaning and getting the “allergy” message across
Venter C.1,2, Maslin K.1,2, Dean T.1,2
1University of Portsmouth, Portsmouth, United Kingdom, 2The David Hide Asthma and Allergy Research Centre, Newport, United Kingdom

947 Dietetic evaluation in food allergic children
Toniolo A.1, Lazzarotto F.1, Bonaguro R.1, Cecagato N.1, Polloni L.1, Muraro A.1
1Food Allergy Referral Centre - Veneto Region, University Hospital of Padua, Padova, Italy

948 Selection of food for oral food challenge to apply the result to dietary counseling based on the antigenicity at antigen component level
Ho S.1
1Doshisha Women’s College of Liberal Arts, Kyoto, Japan

949 Impact of food eviction on the nutritional status and adequacy of nutritional intake on children with food allergy
Barros R.1, Nunes M.1, Belchior M.A.1, Coimbra A.2, Morais-Almeida M.2, Moreira A.2,3, Moreira P.1
1Faculty of Nutrition and Food Sciences, Porto, Portugal, 2Centre Hospitalar São João, Porto, Portugal, 3CUF Descobertas Hospital, Allergy and Clinical Immunology Department, Lisbon, Portugal

950 Development of a dedicated care process to prevent unnecessary elimination diets after negative food challenges
Vendas P.1, Knustl A.C.1, van Erp F.C.2, Michelsen A.2, Meijer Y.3, van Os- Medendorp H.1
1University Medical Center Utrecht, Dermatology & Allergology, Utrecht, The Netherlands, 2University Medical Center Utrecht, Pediatric Pulmonology and Allergology, Utrecht, The Netherlands, 3University Medical Center Utrecht, Utrecht, The Netherlands

Survey of the clinical course of patients suffering from an Anisakis simplex allergy
Suzuki S.1,2, Miyata Y.1, Jinno M.1, Homma T.1, Tanaka A.1, Yokoe T.1, Ohnishi T.1, Sagara H.1, Lobvalt J.1
1Department of Medicine, School of Medicine, Showa University, Division of Allergology and Respiratory Medicine, Tokyo, Japan, 2Krefting Research Center, The University of Gothenburg, Gothenburg, Sweden

Clinical characteristics and outcome of children with cow’s milk allergy
Smati L.1, Redjia O.1, Driss L.N.1, Yaqoubi A.1, Benhalla K.N.2, Baghrich M.1, Benhassine F.1
1EPH Bologhine Ibn Ziri, Department of Paediatrics, Algiers, Algeria, 2CHU Beni Messous, Department of Paediatrics, Algiers, Algeria

Successful desensitisation experience in patients with food dye allergy
Alaikht focused N.1, Novicov B.1, Janchenko V.1
1Vitebsk State Medical University, Clinical immunology and allergology, Vitebsk, Belarus

Oral tolerance induction to cow’s milk, our experience
Saura P.1, Blanco J.1, Veza S.1, Juste S.1, Alloza P.1, Manzanedo L.1
1Hospital Universitario de Burgos, Allergy, Burgos, Spain

Specific oral tolerance induction in combination with omalizumab in cow’s milk allergic patients
Zande M.1, Pizarros E.1, Sinanios A.1, Nanou E.2, Syrigou E.1
1Sotiria General Hospital, Allergy, Athens, Greece, 2Athens Naval Hospital, Allergy, Athens, Greece

Immunologic shifts occurring during cow milk (CM) oral immunotherapy (OIT)
Rios J.M.1,2, Pimenta P.A.1, Martins C.1, Alves Neto A.1,2, Venda M.1,2,3, Kuschirn F.1,3
1Policlínica Geral do Rio de Janeiro, Allergy Clinic, Rio de Janeiro, Brazil, 2Faculdade de Medicina de Petrópolis – FASE, Allergy Post-Graduation Course, Petrópolis, Brazil, 3Rio de Janeiro State University, Pediatrics, Rio de Janeiro, Brazil
Late Breaking Poster Session (LB TPS 1) - Immunity and immunodeficiencies

957 Clinical and immunologic profile of children and adolescents submitted to cow milk oral immunotherapy (OIT)
Kuschinir E.1,2, Alves Neto A.1,2, Martins C.1, Venda M.A.1,2, Pimenta PA.1, Rios JL.M.1,3
1Policlinica Geral do Rio de Janeiro, Allergy Clinic, Rio de Janeiro, Brazil, 2Rio de Janeiro State University, Pediatrics, Rio de Janeiro, Brazil, 3Faculdade de Medicina de Petrópolis - FASE, Allergy Post-Graduation Course, Petrópolis, Brazil

958 Cost analysis of treatment modalities for cow’s milk allergy
Demir E.1, Cigerci Gunes N.1, Eren Akacan S.1, Gulen F.1, Tanac R.1
1Ege University Faculty of Medicine, Pediatric Allergy and Immunology, Izmir, Turkey

959 The efficacy of systematic food challenge test and rush oral immunotherapy for the patient with multiple, severe food allergies
Yamaide A.1, Iida T.1, Misumi S.1, Tomita M.1, Hoshioka A.1, Shimojo N.2
1Chiba Children’s Hospital, Department of Allergy and Rheumatology, Chiba, Japan, 2Chiba University Hospital, Division of Allergy and Clinical Immunology, Department of Pediatrics, Chiba, Japan

960 Repeat oral milk desensitisation with omalizumab to prevent eosinophilic esophagitis
Carr M.1, Carr S.2
1MacEwan University, Faculty of Sciences, Edmonton, Canada, 2University of Alberta, Department of Pediatrics, Edmonton, Canada

961 Cow’s milk oral tolerance induction for non-IgE mediated milk allergy?
Alves E.1, Romeira A.1, Pinto P.1
1Hospital D. Estefânia, Lisboa, Portugal, 2Hospital D. Estefânia, Serviço Imunoneralogia, Lisboa, Portugal

962 Non-pre-packed vanilla ice cream – a potential risk for hen’s egg allergic consumers in Germany
Tondelborg V.1, Beyer C.1, Schulz G.1, Niemann B.1, Beyer K.1
1Charité Universitätsmedizin Berlin, Department of Pediatric Pneumology and Immunology, Berlin, Germany

963 "Restalergia": A web site design process for allergens management
Guillén M.1,2, Garriga T.1,2, Torres G.2
1Hospital Vall d’Hebron, Barcelona, Spain, 2Restalergia S.L., Barcelona, Spain

964 High-throughput detection of the peanut-allergens in order to ensure the conformance with food-labeling
Behroo L.1
1AJUMS, Nutrition, Ahvaz, Islamic Republic of Iran

965 Acute bronchiolitis “signature” in peripheral blood
Mageina P.1, Megremis S.1,2, Papasangouliou V.1, Taka S.1, Makris P.C.-N.1, Tsolia M.1, Papadopoulos N.G.1,2
1National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy & Clinical Immunology Dpt, 2P & A Kyriakou Children’s Hospital, Athens, Greece, 3University of Manchester, Institute of Human Development, Manchester, United Kingdom, 4National & Kapodistrian University of Athens, 3rd Pediatric Clinic, General University Hospital Attikon, Athens, Greece

966 TLR-mediated immune response regulation upon acute viral bronchiolitis
Mageina P.1, Megremis S.1,2, Papasangouliou V.1, Tsolia M.1, Papadopoulos N.G.1,2
1National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy & Clinical Immunology Dpt, 2P & A Kyriakou Children’s Hospital, Athens, Greece, 3University of Manchester, Institute of Human Development, Manchester, United Kingdom, 4National & Kapodistrian University of Athens, 3rd Pediatric Clinic, General University Hospital Attikon, Athens, Greece

967 Difference of cytokine production between mouse bone marrow-derived basophils and mast cells in response to Der f 1
Yi M.-H.1, Jeong K.Y.2, Kim H.-P.1, Yong T.-S.1
1Department of Environmental Medical Biology and Arthropods of Medical Importance Resource Bank, Institute of Tropical Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, 2Department of Internal Medicine, Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

968 Deciphering the mechanism of immune dysfunction in Vici syndrome
Axiotis E.1, Carsetti R.1
1Sapienza University of Rome, Rome, Italy

969 Successful treatment of CNS vasculitis in a patient with DOCK8 deficiency using mycophenolate mofetil
Alshater S.A.1
1King Fahad Hospital of University, University of Dammam, Pediatrics, Al-Khobar, Saudi Arabia

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1560 Profile of six pediatric cases of hemophagocytic lymphohistiocytosis in Rio de Janeiro, Brazil
Daumas G.A.1, Santos L.P.1, Gouveia M.E.2, Lino K.1, Almeida J.R.1, Sias S.2, Silva S.P.3, Moore D.3, Boechat J.L.3, Fernandes M.A.2
1Fluminense Federal University, Hematology Division, Niteroi, Brazil, 2Fluminense Federal University, Pediatric Division, Niteroi, Brazil, 3Fluminense Federal University, Pediatric Division, Rheumatology Section, Niteroi, Brazil

1561 Multifocal hepatic lesions in 27-year old male with hyper-IgE syndrome: a case report
Kucharczyk A.1, Wiesik-Szewczyk E.1, Jahnz-Rozyk K.1, Grabowska-Krawiec P.1
1Military Health Institute, Department of Immunology and Clinical Allergology, Warsaw, Poland

1563 Major histocompatibility complex class II (MHC II) deficiency. A case history
Tatjana L.1, Latisevha E.1, Martynyova L.1
1NRC Institute of Immunology FMBa of Russia, Moscow, Russian Federation

1564 Severe primary immunodeficiency in children in Republic of Moldova
Sciuca S.1, Adam I.1, Sele vestru R.1, Neam tu L.1, Cotoman A.2, Vi niesvichi L.3, Botnaru V.1
1State Medical and Pharmaceutical University, Chihinau, Republic of Moldova, 2Mother and Child Institute, Chihinau, Republic of Moldova

1565 The associations between a smoking and IL-4 gene polymorphism in patients with multi-drug-resistant tuberculosis (MDR-TB)
Butov D.O.1, Kuzhko M.M.2, Makeeva N.I.1, Butova T.S.1, Pitenko M.M.1, Stepanenko G.L.1
1Kharkiv National Medical University, Phthisiatry and Pulmonology, Kharkiv, Ukraine, 2National Institute on Physiatry & Pulmonology named by F.G. Yanovsky NAMS of Ukraine, Phthisiopulmonology, Kiev, Ukraine, 3Kharkiv National Medical University, Pediatrics N2, Kharkiv, Ukraine, 4Kharkiv National Medical University, Pathomorphology, Kharkiv, Ukraine

1566 Functional activity of lymphocytes in patients with comorbidity of chronic obstructive pulmonary disease and chronic pancreatitis
Zhelezniakov N.1, Pasieshtwil T.1
1Kharkiv National Medical University, Internal Medicine No1, Kharkiv, Ukraine

1567 The level of Interleukins and some characteristics of T cell system in Familial Mediterranean Fever
Gambarov S.S.1, Movsisyan M.R.1, Zaqaryan A.S.1, Hakobyan A.V.1, Harutyunyan S.S.1, Ktsoyan L.A.1, Gabrielyan A.R.1
1Yerevan State Medical University, Allergology and Clinical Immunology, Yerevan, Armenia

1569 Allergic granulomatosis and angiitis
Escamilla C.1, Garcia M.2, Mendoza D.3
1CIMA, Allergy, Chihuahua, Mexico, 2Instituto Nacional de Pediatría, Allergy and Immunology, Mexico City, Mexico, 3Instituto Nacional de Pediatría, Allergy, Mexico City, Mexico

1570 Response of complex undefined hypereosinophilic syndrome to treatment with imatinib: Churg-Strauss syndrome in the differential diagnosis
Yilmaz L.1, Kaynar L.2, Tutar N.1, Pala C.2, Canoz O.4, Buyukoglan H.1, Gulmez I.3
1Erciyes University School of Medicine, Department of Chest Diseases, Division of Immunology and Allergy, Kayseri, Turkey, 2Erciyes University School of Medicine, Department of Internal Medicine, Division of Hematology, Kayseri, Turkey, 3Erciyes University School of Medicine, Department of Chest Diseases, Kayseri, Turkey, 4Erciyes University School of Medicine, Department of Pathology, Kayseri, Turkey

1571 Extraovarian primary peritoneal carcinoma and abdominal cocoon syndrome initially presented as dermatomyositis: a case report
Morgan N.1, Patromonio M.A.J.1, Sonza S.1, Sinila L.1, Jesena A.1, Gasataya V.1, Tпас L.M.1
1St.Paul’s Hospital Iloilo, Internal Medicine, Iloilo, Philippines

1572 The treatment of rheumatoid arthritis with methotrexate injections vs methotrexate tablets
Neacsu I.1, Ciucu G.A.1
1Scoala Postliceala Sanitara Fundeni, Bucharest, Romania
Late Breaking Poster Session (LB TPS 2) - Occupational allergy and angioedema/urticaria

Chair: Santiago Quirce, Spain

1573 The benefit of patch tests in the diagnosis of occupational contact dermatitis (about 275 cases)
Henchi M.A.1,2, Omrane A.1,2, Amri C.1,2, Rassas I.1,2, Kammoun S.1,3, Mahfoudh A.1,3, Bouzgarrou L.1,3, Akrou M.1,2
1University of Medicine, Occupational Medicine, Monastir, Tunisia, 2University Hospital Monastir, Occupational Medicine, Monastir, Tunisia, 3University Hospital Tahar Sfar, Occupational Medicine, Mahdia, Tunisia

1574 Occupational allergic rubber triggering psoriasis
Omrane A.1, Henchi M.A.1, Amri C.1, Bouzgarrou L.1, Kammoun S.1, Rassas I.1, Akrou M.1, Hadji Ali H.2
1University of Medicine, Occupational Medicine, Monastir, Tunisia, 2University Hospital, Dermatology, Monastir, Tunisia

1575 Occupational asthma, rhinoconjunctivitis, and allergic contact dermatitis from methacrylates
Omrane A.1, Henchi M.A.1, Amri C.1, Bouzgarrou L.1, Kammoun S.1, Rassas I.1, Hadji Ali H.2
1University of Medicine, Occupational Medicine, Monastir, Tunisia, 2University Hospital, Dermatology, Monastir, Tunisia

1576 Mis-diagnosed as asthma – a case report
Porr C.1
1Lucian Blaga Sibiu Romania, Sibiu, Romania

1577 Omalizumab in delayed pressure urticaria: too good to be true…?
Konstantinou G.N.1, Chioli A.1, Danilidis M.2
1424 General Military Training Hospital, Department of Allergy and Clinical Immunology, Kalamaria, Thessaloniki, Greece, 2University General Hospital AHEPA, Aristotle University of Thessaloniki, 1st Internal Medicine Department, Thessaloniki, Greece

1578 Omalizumab inhibits Th2 cytokine release in activated human basophils
Raai U.1, Chapman-Rothe N.2, Gehring M.1, Kleiner S.1, Wedi B.1
1Hannover Medical School, Dept. of Dermatology and Allergy, Hannover, Germany, 2Novartis Pharma GmbH, Nurnberg, Germany

1579 Acute-phase response and its biomarkers in acute and chronic urticaria
Czarnecka-Oderacz M.1, Szulczynska-Gabor J.1, Teresjak-Mikolajczak E.1, Bartkiewicz P.1, Jenerowicz D.1
1Poznan University of Medical Sciences, Dermatology, Poznan, Poland

1580 Evaluation of autologous serum skin test and autologous plasma skin test in chronic spontaneous urticaria
Portas-Junior S.D.1,2, Moreira C.F.1, Valle S.O.R.1, Oliveira B.E.C.1, Levy S.A.P.1,3, França A.T.1,3
1Universidade Federal do Rio de Janeiro, Clínica Médica, Rio de Janeiro, Brazil, 2Universidade Iguacu (UNIG), Clínica Médica, Nova Iguaçu, Brazil, 3Hospital São Zacharias, Serviço de Alergia, Rio de Janeiro, Brazil

1581 Basal serum tryptase levels in chronic spontaneous urticaria and its relationship with clinical and laboratory parameters
Sahiner U.M.1, Azkur D.2, Civelek E.2, Gödemenard A.1, Giniş T.2, Toyran M.2, Kocabas CN.2
1Kayseri Education and Research Hospital, Pediatric Allergy and Immunology, Kayseri, Turkey, 2Ankara Child Health and Disease, Hematology & Oncology Education and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey

1582 Vitamin D and iron deficiency: suboptimal nutrition, a trigger for chronic idiopathic urticaria (CIU) in children
Mahadevan J.1, Ajtar S.S.1, Vance G.1, Michaelis L.1, 2
1Great North Children’s Hospital, Paediatric Allergy & Immunology, Newcastle upon Tyne, United Kingdom

1583 Impact of chronic spontaneous urticaria in valley of Mexico
Rico-Gutierrez M.1,1, Mellado-Abrego J.1, Castillo-Narvaez G.1, Hernandez C.1
1Juarez Hospital Mexico, Allergy, Mexico, Mexico

1584 Specialist management of C1 inhibitor-deficient patients has improved patient outcomes and reduced emergency hospital attendances in Brighton & Hove, United Kingdom
Porr C.1, Frew A.J.2, Cottingham R.1, Tarzi M.D.1,2
1Brighton and Sussex University Hospitals NHS Trust, Brighton, United Kingdom, 2Brighton and Sussex University Hospitals NHS Trust, Respiratory Medicine & Allergy, Brighton, United Kingdom, 3Brighton and Sussex University Hospitals NHS Trust, Emergency Department, Brighton, United Kingdom

1585 Mutations and expressions of C1 inhibitor gene in patients with hereditary angioedema
Xu Y.Y.1, Gu J.Q.1, Zhu Y.X.1
1Peking Union Medical College Hospital, Allergy, Beijing, China

1586 Management of bradykinin-mediated hereditary angioedema in children
Phillips-Angiles E.1, Pedrosa M.1, Rivero D.1, Alvez A.1, Caballero T.1,2
1Hospital La Paz Institute for Health Research (IdiPAZ), Allergy, Madrid, Spain, 2Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER, U754), Madrid, Spain

1587 Hereditary angioedema (HAE) in Saudi population
Alqahtani A.1, Sheikh F.1, Rehan Khaliq A.M.1, Arnaout R.K.1, Al-Gazlan S.1
1King Faisal Specialist Hospital and Research Centre, Department of Medicine, Riyadh, Saudi Arabia

1588 Reducing metal-induced contact dermatitis by using a protective skincare
Briand-Isapof E.1, Humbert P.2, Pelletier F.2, Karp J.1, Dumas Mine, Edwards J.B.1
1SKINTIFIQUE, Paris, France, 2Centre hospitalier universitaire Saint Jacques, Service de Dermatologie, Besancon, France, 3Brigham & Women’s Hospital and Harvard Medical School, Harvard-MIT Division of Health Sciences and Technology, Boston, United States
Late Breaking Poster Session (LB TPS 3) - Novel immune mechanisms and interventions

**1589 Regulation of chromatin architecture in T helper cells by glucocorticoids**  
Kelly A.1, Lennartz-Walker M.1, Lavender P.1  
1King’s College London, MRC & Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom

**1590 Association of the polymorphisms of TRAF-1 (rs10818488) and TNFAIP3 (rs2230926) with rheumatoid arthritis and systemic lupus erythematosus and their relationship to disease activity among Egyptian patients**  
Mosaic M.1, Mohamad N.2  
1University of Alexandria, Medical Research Institute, Department of Immunology and Allergy, Alexandria, Egypt, 2University of Alexandria, Alexandria, Egypt

**1591 Metabolic associations of atopy in the elderly: a potential implication of retinol-binding protein-4**  
1Seoul National University Bundang Hospital, Department of Internal Medicine, Seoul, Republic of Korea, 2Seoul National University Hospital, Department of Internal Medicine, Seoul, Republic of Korea, 3Seoul National University Bundang Hospital, Department of Neuropsychiatry, Seong-Nam, Republic of Korea, 4Sung-Ae General Hospital, Department of Internal Medicine, Seoul, Republic of Korea

**1592 High proportions of eicosapentaenoic acid (EPA) in infants’ serum may decrease allergy risk: results from the FARMLORA birth-cohort**  
Jonsson K.1, Barman M.1, Moberg S.1, Brokke H.K.2, Sjoberg A.3, Hesselmar B.1, Wold A.1, Sandberg A.-S.1  
1Chalmers Technical University, Biology and Biotechnology, Gothenburg, Sweden, 2University of Gothenburg, Internal Medicine and Clinical Nutrition, Gothenburg, Sweden, 3University of Gothenburg, Gothenburg, Sweden, 4University of Gothenburg, Institute of Clinical Sciences, Paediatrics, Gothenburg, Sweden, 5University of Gothenburg, Infectious Medicine, Clinical Bacteriology Section, Gothenburg, Sweden

**1593 Single nucleotide polymorphisms in fatty acid desaturases is associated with cord blood long chain PUFA proportions and development of allergy**  
Barman M.1, Nilsson S.2, Torinsson Nalauí Å.3, Sandin A.4, Wold A.1, Sandberg A.-S.1  
1Chalmers Technical University, Biology and Biological Engineering, Gothenburg, Sweden, 2Chalmers Technical University, Mathematical Science, Gothenburg, Sweden, 3University of Gothenburg, Department of Microbiology and Immunology, Gothenburg, Sweden, 4Umeå University, Department of Clinical Science, Umeå, Sweden, 5University of Gothenburg, Department of Infectious Disease, Gothenburg, Sweden

**1594 CD45R0 in cord blood as predictive marker for future allergic rhinitis development**  
Stencel-Gabriel K.1, Gabriel I.2, Mazur B.3  
1Medical University of Silesia, Department of Pediatrics, Bytom, Poland, 2Medical University of Silesia, Department of Gynecology, Obstetrics, Bytom, Poland, 3Medical University of Silesia, Department of Microbiology and Immunology, Zabrze, Poland

**1595 RSV-specific antiviral activity of release-active polyclonal antibodies to interferon gamma, CD4 receptor and histamine in vitro**  
Shilovsky I.1, Shershakova N.1, Prozorova M.1, Khaitov M.1, Grechenko V.2, Nikiforova M.2, Yakovleva N.2, Borshcheva A.2, Tarasov S.2, Emelyanova A.2  
1National Research Center - Institute of Immunology FMBA of Russia, Moscow, Russian Federation, 2OOO ‘NPF Materia Medica Holding’, Moscow, Russian Federation

**1596 Remodeling of phenotype and functional activity of neutrophil granulocytes in immunocompromised children with recurrent viral and bacterial infections as results of the interferon- and the immunotherapy Nesteraivo1, Kovaleva S.V.2, Chudilova G.A.2, Lomtatidze L.V.2, Malinovskaja V.V.2  
1‘People’ Friendship University of Russia, Moscow, Russian Federation, 2Kuben State Medical University, Clinical and Experimental Immunology, Krasnodar, Russian Federation, 3Federal State Research Center of Epidemiology and Microbiology named after NF.Gamaleya, Russian Ministry of Health, Ontogenesis of Interferon System, Moscow, Russian Federation

**1597 Nickel inhibits proliferative response to PHA**  
Altamura S.1, Nucera E.1, Frosali S.1, Rizzo A.1, Baesso L.1, Schiavino D.1, Pandolfi F.1  
1Catholic University, Internal Medicine, Rome, Italy

**1598 Cell sensitisation to infliximab is detectable in a proportion of treated patients without anti-drug antibodies**  
Nencini F.1, Valtagno A.2, Pratesi S.1, Maggi E.1, Matucci A.2, on behalf of ABIRISK consortium  
1University of Florence, Florence, Italy, 2AOU Careggi, Florence, Italy

**1599 Emerging qualities of Omalizumab in chronic urticaria**  
Radice A.1, Parronchi P.1, Matucci A.2, Rossi O.2  
1Department of Experimental and Clinical Medicine, Unit of Internal Medicine, University of Florence, Florence, Italy, 2Immunallergology Unit, Azienda Ospedaliera Universitaria Careggi, Florence, Italy

**1600 Sex hormones influence the basophile activation in patients sensitised to hymenoptera venom**  
Grobe W.1, Allam J.-P.1, Novak N.1  
1Universitätsklinik Bonn, Klinik und Poliklinik für Dermatologie und Allergologie, Bonn, Germany

**1602 Altered microRNA expression profiles in activated mast cells following IgE-FcεRI cross-linking with antigen**  
Terno Y.1, Li Y.1, Li J.1, Gao Y.1  
1Hangzhou First People’s Hospital, Otorhinolaryngology, Hangzhou, China

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1603 **Ontogeny of serum CCL2, CCL4 and Eotaxin concentrations in early life**  
Leonardi L.1, Dowling D.2, Valentini P3, Duse M.4, Bergelson I.5, Angelone D.1, Levy O.2  
1Policlinico Umberto I, Sapienza Università, Pediatrics, Roma, Italy, 2Boston Children’s Hospital and Harvard Medical School, Boston, United States, 3Policlinico A. Gemelli, Università Cattolica del Sacro Cuore, Roma, Italy

1604 **Breast milk IL-1β level associates with development of eczema during early childhood**  
Jepsen A.A.1, Chawes B.L.K.1, Carson C.G.1, Malby-Schoo A.-M.1, Hammerich Thysen A.1, Waage J.1, Brix S.1, Bisgaard H.1  
1The Copenhagen Prospective Study on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, Gentofte, Denmark, 2Technical University of Denmark, Center for Biological Sequence Analysis, Department of Systems Biology, Kgs. Lyngby, Denmark

1605 **Fever as the initial symptom of allergic disease: five cases report**  
Wang X.1, Yin J.1, Lu J.1  
1Beijing Shijitan Hospital, Capital Medical University, Beijing, China

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**Late Breaking Poster Session (LB TPS 4) - Atopic dermatitis**

**Chair:** Tilo Biedermann, Germany

1606 **Ivermectin hampers the development of atopic skin inflammation in mice through a direct inhibition of T cell activation**  
Ventre E.1,2,3, Rozières A.1,2,3, Lenief V.1,2,3, Albert F.1,2,3, Froude D.4, Rossio P.1,2, Dombrówicz D.1,2, Rassendren F.1,2, Vial E.1,2,3, Jamard A.1,2, Hacini-Rachinel F.1,2,3, Nicolas J.-P.1,2,3, Vezin A.1,2,3  
1CIRIL, International Center for Infectiology Research, Université de Lyon, Lyon, France, 2Inserm, U1111, Lyon, France, 3Ecole Normale Supérieure de Lyon, Lyon, France, 4Galerma R&D, Research, Sophia-Antipolis, France, 5Inserm U1011, Lille, France, 6Centre National de la Recherche Scientifique, Unité Mixte de Recherche 5203, Institut de Génomique Fonctionnelle, Montpellier, France, 7Hôpitaux de Lyon, Centre Hospitalier Lyon-Sud, Lyon, France

1607 **Molecular-based allergy diagnostics in severe atopic dermatitis patients with food allergy**  
Federko E.1, Shtybul O.V.1, Elisyutina O.G.1  
1Institute of Immunology, Skin Allergy Department, Moscow, Russian Federation

1608 **Hay fever and food allergies are correlated with a poorer quality of life in asthmatic children with atopic dermatitis**  
van der Lee M.1, Arabkhazaei A.1, van Erp F.C.2, Ramaak E.1, van der Ent C.K.2, Brujinzeel-Koomen C.A.F.M.1, de Brun-Weller M.S.1, Vijverberg S.J.H.1, Maitland-van der Zee A.H.1  
1Utrecht University, Faculty of Science, Division of Pharmacopoeidiology & Clinical Pharmacology, Utrecht, The Netherlands, 2Wilhelmina Children’s Hospital, Department of Paediatric Pulmonology and Allergology, Utrecht, The Netherlands, 3University Medical Center Utrecht, Department of Dermatology and Allergology, Utrecht, The Netherlands

1609 **Disease severity and quality of life in Italian children with atopic dermatitis. Doctor and patient perspectives: the role of assessment tools in clinical practice**  
D’Auria E.1, Boccardi D.2, Palazzo S.1, Sortino S.1, Turati F.1, Cerri A.1, Giovannini M.1  
1San Paolo Hospital, University of Milan, Department of Pediatrics, Milan, Italy, 2San Paolo Hospital, University of Milan, Dermatologic Clinic, Department of Health Sciences, Milan, Italy, 3University of Milan, Department of Clinical Sciences and Community Health, Milan, Italy, 4San Paolo Hospital, University of Milan, Pediatric Dermatology - Dermatologic Clinic, Department of Health Sciences, Milan, Italy

1610 **Are patch tests with food helpful in the treatment of atopic dermatitis?**  
Rymarczyk B.1, Gluck J.1, Rogala B.1  
1Medical University of Silesia, Dept. and Clinic of Internal Diseases, Allergology and Clin. Immunol., Katowice, Poland

1611 **Which biomarker should be preferred in children with severe atopic dermatitis?**  
Uysal P.1, Yenigün A.1, Bilut Y.2, Katranci M.3, Yılmaz M.4  
1Adnan Menderes University Department of Pediatric Allergy and Immunology, Aydin, Turkey, 2Adnan Menderes University Department of Pediatrics, Aydin, Turkey, 3Adnan Menderes University Department of Biostatistics, Aydin, Turkey, 4Adnan Menderes University Department of Biochemistry, Aydin, Turkey

1612 **New strategy for atopic dermatitis therapy and enhancing skin barrier homeostasis via modulation of calcium ion channels by topical botanical products**  
Nam VR.1, Nam J.H.2, Kim WK.3  
1Dongguk University College of Medicine Postgraduate School, Physiology, Kyungju, Republic of Korea, 2Dongguk University Ilsan Hospital, Goyang, Republic of Korea

1613 **Double-blind placebo controlled randomised comparative study of effectiveness and safety of Lactofiltrum for atopic dermatitis in moderate and severe exacerbations**  
Zakirova S.1  
1’MC Development’ Ltd, Moscow, Russian Federation
**Poster Exhibition**

**Monday 8 June**

12:00 – 13:30

**Poster Session (TPS 20) - Functional genomics in immunology and allergy**

**Chairs:** Craig Wheelock, Sweden  
Serena O’Neil, Australia

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**965** TAS2R38 taste receptor gene and chronic rhinosinusitis: a bitter ending  
Montresio G.1, Gallo S.1, Grossi S.2, Binelli G.1, Cinquetti R.2, Simmen D.4, Castelnuovo P.1, Campomenosi P.1  
1Ospedale di Circolo e Fondazione Macchi, Otolaryngology, Varese, Italy, 2Università degli Studi dell’Insubria, Department of Biotechnology and Life Sciences, DBSV, Varese, Italy, 3Università degli Studi dell’Insubria, Department of Theoretical and Applied Sciences, DISTA, Varese, Italy, 4Klinik Hirslanden, ORL-Zentrum, Zurich, Switzerland

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**966** Investigating the functional effects of NSAIDs-hypersensitivity associated genetic variants  
Perkins J.R.1, Cornejo-García J.A.1, Blanca-López N.2, Torres M.J.1, Doña I.1, Canto M.C.1, Mayorga C.1, Upton A.3, Laguna J.J.4, Feo-Brito F.1, Blanca M.1  
1IBIMA-Regional University Hospital of Malaga UMA, Research Laboratory, Allergy Department, Malaga, Spain, 2Hospital Infanta Leonor, Allergy Service, Madrid, Spain, 3University of Malaga, Computer Architecture, Malaga, Spain, 4Cruz Roja Hospital, Allergy Service, Madrid, Spain, 5Hospital Ciudad Real, Allergy Service, Ciudad Real, Spain

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**967** Quantification of molecular interactions on cell-surface receptors based on Quartz Crystal Microbalance Biosensor  
Rhyner C.1, Prati M.1, Garbani M.1, Crameri R.1  
1Sial, Davos Platz, Switzerland

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**968** Identification of novel mRNA transcript of mouse IL-13  
Labinynova D.1, Shilovskiy LP.1, Khaitov MR.1  
1National Research Center - Institute of Immunology, Moscow, Russian Federation

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**969** Pro-inflammatory cytokine gene polymorphisms in autoimmune hepatitis  
Zarebidski A.1,2, Sadri M.2, Najafi M.3, Rezaei N.1  
1Tehran University of Medical Sciences, Immunology, Tehran, 2Molecular Immunology Research Center, Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, 3Tehran University of Medical Sciences, Pediatrics, Tehran, Islamic Republic of Iran

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**970** Genetic variants in Galectin-3 in patients with cross-intolerance to non-steroidal anti-inflammatory drugs  
Cornejo-García J.A.1, Guéant-Rodríguez RM.2, Perkins J.R.1, Blanca-López N.3, Doña I.4, Plaza-Seron MC.1, Laguna JJ.1, Feo-Brito F.1, Soriano-Gomis V.1, Bartra J.1, Tramoy D.2, Canto G.3, Blanca M.1,2, Guéant JL.1,2  
1Malaga Biomedical Research Institute (IBIMA) Malaga Regional University Hospital, Research Laboratory, and Allergy Unit, Malaga, Spain, 2University of Lorraine and University Hospital Center (CHU) of Nancy, Inserm U-954, Faculté de Médecine, Vandœuvre-lès-Nancy, France, 3Infanta Leonor Hospital, Allergy Service, Madrid, Spain, 4Malaga Biomedical Research Institute (IBIMA) Malaga Regional University Hospital, Allergy Service, Malaga, Spain, 5Malaga Biomedical Research Institute (IBIMA) Malaga Regional University Hospital, Research Laboratory, Malaga, Spain, 6Cruz Roja Hospital, Allergy Section, Madrid, Spain, 7General University Hospital, Allergy Service, Ciudad Real, Spain, 8Alicante General Hospital, Allergy Service, Alicante, Spain, 9Clinic Hospital, Allergy Unit, Barcelona, Spain, 10Malaga Biomedical Research Institute (IBIMA) Malaga Regional University Hospital, Allergy Service, Málaga, Spain

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**TNF-α and IL-6 gene variations in Iranian patients with kidney acute rejection**  
Zarebidski A.1,2, Abrari M.2, Sadri M.2, Golchin N.2, Amizargar A.A.1  
1Tehran University of Medical Sciences, Immunology, Tehran, Islamic Republic of Iran, 2Molecular Immunology Research Center, Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, 3Tehran University, Biology, Tehran, Islamic Republic of Iran, 4Cancer Research Center, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Islamic Republic of Iran

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**IgG response to 91 allergenic molecules at 2 years of age and its relationship with route of exposure and atopy**  
Schwarz A.1, Panetta V.2, Cappella A.3, Hofmaier S.1, Hatzler L.1, Rohrbach A.1, Bauer C.-P.4, Hoffman U.1, Forster J.1, Zepp F.3, Schuster A.1,2, D’Amelio R.2, Stock P.1, Wahn U.1, Keil T.5,10, Lau S.1, Matricardi PM.1  
1Charité-Universitätsmedizin Berlin, Pediatric Pneumology & Immunology, Berlin, Germany, 2L’Altrastatistica srl, Consultancy & Training, Biostatistics Office, Rome, Italy, 3Sapienza University of Rome, S. Andrea University Hospital, Clinical and Molecular Medicine, Rome, Italy, 4Technical University of Munich, Department of Pediatrics, Munich, Germany, 5St. Josef’s Hospital, Department of Pediatrics St Hedwig, Freiburg, Germany, 6Johannes Gutenberg University Medical Centre, Pediatrics and Adolescent Medicine, Mainz, Germany, 7Heinrich-Heine-University, Pediatric Cardiology & Pneumology, Düsseldorf, Germany, 8Altonaer Kinderkrankenhaus, Pediatric Pneumology & Immunology, Hamburg, Germany, 9Charité-Universitätsmedizin Berlin, Institute of Social Medicine, Epidemiology and Health Economics, Berlin, Germany, 10University of Würzburg, Institute of Clinical Epidemiology and Biometry, Würzburg, Germany
973 **Descriptive study of the all the interspecialty referrals to the allergy department in 2013**
Rubiano Sosa C.1, De Luque Piñana V.1, Alcaraz Perez C.1, Lopez Ruiz C.1, Bellido Linares V.1, Guardia Martinez P.1
1Hospital Universitario Virgen Macarena, UGC-IC Alergologia, Sevilla, Spain

**Poster Session (TPS 21) - Miscellaneous drug allergy**
Chair: Eva Gomes, Portugal

974 **Chlorhexidine allergy in England: a multi-centre experience**
Egner W.1, Shrimpton A.1, Sargur R.1, York M.1, Swallow K.1
1Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom

975 **Safety of nimesulide as alternative drug to NSAID sensitive patients according to data of Vilnius University Hospital Santariskiu Klinikos**
Kairyskaitė S.1, Maciaulytė I.1, Buterlievičiute N.1, Gaidej O.2, Didžiokaitė G.1, Patarackienė V.1, Kvedariene V.4
1Vilnius University, Infectious, Chest Diseases, Dermatovenereology and Allergy Clinic, Vilnius, Lithuania, 2Vilnius University, Internal Medicine, Family Medicine and Oncology Clinic, Vilnius, Lithuania, 3Vilnius University, Faculty of Medicine, Vilnius, Lithuania, 4Vilnius University Hospital Santariskiu Klinikos, Center of Pulmonology and Allergy, Vilnius, Lithuania

976 **Are leukotriene receptor antagonists safe?**
Erdem Bahceci S.1, Karahan S.1, Necaroglu H.T.1, Unsal Karkinr C.S.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

977 **Rare drug allergy**
Wenzel M.D.1, Dellweg D.2, Riffelmann F.W.3
1Hospital Kloster Grafschaft / Lehrkrankenhaus of the University of Marburg, Allergology, Schmallenberg, Germany, 2Krankenhaus Kloster Grafschaft, Allergology, Schmallenberg, Germany, 3Krankenhaus Kloster Grafschaft, Pneumology, Schmallenberg, Germany

978 **De-labeling drug allergies – allowing patients to receive medications again**
Santosa A.1,2, Xu C.X.3, Bigiardi PL.1,4
1National University Hospital, Division of Rheumatology, University Medicine Cluster, Singapore, Singapore, 2National University of Singapore, Yong Loo Lin School of Medicine, Singapore, Singapore, 3National University Hospital, University Medicine Clinic, Singapore, Singapore, 4A,**STAR (Agency for Science, Technology and Research, IMB (Institute of Medical Biology), Singapore, Singapore

979 **Tocilizumab-induced scalp psoriasis**
Klosowski N.1, Oommen P.T.2, Gerber P.A.1, Homey B.1, Meller S.1
1University Hospital Düsseldorf, Department of Paediatric Oncology, Haematology and Immunology, Düsseldorf, Germany, 2University Hospital Düsseldorf, Department of Paediatric Oncology, Haematology and Immunology, Düsseldorf, Germany

980 **Carbamazepine induced DRESS syndrome: a case report**
Seleuk A.1, Demirel F.1, Kartal O.1, Aykan M.B.2, Gulec M.1, Musabak U.1, Sener O.1
1Gulhane Military Medical School, Department of Internal Medicine, Ankara, Turkey, 2Gulhane Military Medical School, Department of Internal Medicine, Ankara, Turkey

981 **Trisselective NSAIDS reaction**
Llabela Alvarez M.1, Lequisamo Mills S.A.1, Baykova K.1, Prados Cañero M.1
1Virgen del Rocio University Hospital, Allergy, Seville, Spain

982 **Acute urticaria and angioedema caused by etoricoxib with tolerance to celecoxib and parecoxib**
Villalón García A.L.1, Moriana Angulo E.1, Rodriguez Cabrero M.1, Vásquez Bautista A.A.1, Perez Pimento A.1, Rodriguez Mosquera M.1
1Hospital Universitario Puerta de Hierro de Majadahonda, Allergy, Madrid, Spain

983 **Negative drug provocation tests to NSAIDs – do the patients trust the result?**
Cormela M.1, Sousa F.1, Marote S.2, Oliveira S.1, Câmara R.1
1Hospital Central do Funchal, Unidade de Imunoalergologia, Funchal - Madeira, Portugal, 2Hospital Central do Funchal, Ano Comum do Internato Médico, Funchal - Madeira, Portugal

984 **Nitrofurantoin induced pulmonary injury in a patient with allergy to persimmon – a case report**
Moreira A.1, Lopes I.1, Moreira Silva J.1
1Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Vila Nova Gaia, Portugal

985 **Expanding the spectrum of adverse reactions to glatiramer acetate: a case of “a flare-up-like phenomenon”**
Gandolfo-Cano M.1, González-de-Olano D.1, González-Mancebo E.1, Mohedano-Vicente E.1, García-Castaño I.1
1Hospital Universitario de Fuenlabrada, Allergy, Madrid, Spain, 2Hospital Universitario de Fuenlabrada, Neurology, Madrid, Spain

986 **Presence of a single nucleotide polymorphism (rs3758581) in a case of drug reaction with eosinophilia and systemic symptoms (DRESS syndrome) secondary to phenytoin**
Ahi H.1, Tekin R.T.1, Erzencii A.2, Harmançu K.1, Carman K.B.1, Koçak A.1
1Osmangazi University, Pediatric Allergy and Immunology, Eskisehir, Turkey, 2Osmangazi University, Pediatric Department, Eskisehir, Turkey, 3Osmangazi University, Pediatric Neurology, Eskisehir, Turkey

987 **Urticaria-angioedema due to tranexamic acid**
Micozzi S.1, Rodriguez-Gamboa A.1, Morales C.1, Pineda F.1, De Barrio M.1
1University General Hospital Gregorio Marañón, Allergy, Madrid, Spain, 2DIATER Laboratories, Madrid, Spain

988 **The positivity of local anesthetics allergy testing**
Hoxha M.1,2, Lolic G.1, Nikolova E.4
1University Hospital Center, Tirana, Albania, 2UHC Mother Theresa, Service of Allergology and Clinical Immunology, Tirana, Albania, 3UHC Mother Theresa, Service of Allergology and Clinical Immunology, Tirana, Albania, 4Saranda Hospital, Internal Medicine, Saranda, Albania

Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Gulhane Military Medical School, Department of Internal Medicine, Ankara, Turkey
A national survey of UK practice in diagnosis of drug allergy to chlorhexidine
Egger W., Shrimpton A., Sarqur R., York M., Swallow K.
Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom

Repeat conjunctivitis without improvement in spite of medical treatment
Candon Morillo R., Burgos Montero A.M., Gonzalez Sanchez L.A., Moreno Mata E., Buñez Leon B., Galindo Andujar A.
Hospital Mancha Centro, Allergology, Alcazar de San Juan, Spain, Hospital Mancha Centro, Medicine, Alcazar de San Juan, Spain

DRESS due to aromatic antiepileptics: a case report
Burgos Montero A.M., Gonzalez Sanchez L.A., Ruiz Leon B., Candon Morillo R., Moreno Mata E., Araque Arroyo P.
Hospital Mancha Centro, Allergy, Alcazar de San Juan, Spain, Hospital Mancha Centro, Pharmacy, Alcazar de San Juan, Spain

Functional impairment of Th17-cells subset in patients with chronic mucocutaneous candidiasis and autoimmune polyendocrine syndrome type 1
Scarpa R., Morlin L., Agostini C., Betterle C.
University of Padua, Padua, Italy

The pathogenic role of neutrophils, eosinophils and monocytes in bullous pemphigoid
de Graauw E., Sitaru C., Borradori L., Yousefi S., Simon H.-U., Simon D.
University of Bern, Institute of Pharmacology, Bern, Switzerland, University Medical Center Freiburg, Department of Dermatology, Freiburg, Germany, Inselspital Bern, Department of Dermatology, Bern, Switzerland

The effect of Pomalidomide on bone marrow mononuclear cells in patients with diffuse alveolar hemorrhage in ANCA associated vasculitis
Yoshie G., Misaki K., Saito R., Nakamura Y., Nagamoto T., Horichi H., Yamada H., Yokota T.
Kurashiki Central Hospital, Endocrinology and Rheumatology, Kurashiki, Japan

Modified oral metronidazole desensitisation protocol in pediatric population
Instituto Nacional de Pediatría, Allergy, Mexico City, Mexico, National Institute of Pediatrics, Allergy, Mexico City, Mexico, Instituto Nacional de Pediatría, Pediatric, Mexico City, Mexico, Instituto Nacional de Pediatría, Gastroenterology, Mexico City, Mexico, Instituto Nacional de Pediatría, Infectology, Mexico City, Mexico, Instituto Nacional de Pediatría, Pediatrics, Mexico City, Mexico, Instituto Nacional de Pediatría, Head of Allergy Department, Mexico City, Mexico

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University of Padua, Padua, Italy

The pathogenic role of neutrophils, eosinophils and monocytes in bullous pemphigoid
de Graauw E., Sitaru C., Borradori L., Yousefi S., Simon H.-U., Simon D.
University of Bern, Institute of Pharmacology, Bern, Switzerland, University Medical Center Freiburg, Department of Dermatology, Freiburg, Germany, Inselspital Bern, Department of Dermatology, Bern, Switzerland

In vitro production of IL-15 and IL-18 by mononuclear cells in patients with erosive and non-erosive oral lichen planus
Kurchenko A.I., Drannik G.N.
Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus, Belarusian State Medical University, Minsk, Belarus, Immunology Research Institute of New England, Gardner, MA, United States, George Washington University, MFA, Washington, DC, United States

The effect of Pomalidomide on bone marrow mononuclear cells in multiple myeloma patients and control subjects
Taik S., Jalali-Nadooshan M.R., Shami J., Yararee R.
Immunology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran, Pathology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran, Hematology & Oncology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran

In vitro production of IL-15 and IL-18 by mononuclear cells in patients with erosive and non-erosive oral lichen planus
Kurchenko A.I., Drannik G.N.
Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus, Belarusian State Medical University, Minsk, Belarus, Immunology Research Institute of New England, Gardner, MA, United States, George Washington University, MFA, Washington, DC, United States

Biologics for SAPHO syndrome: a single centre experience
Munia G., Firinu D., Barca M.P., Peralta M.M., Manconi P.E., Del Giacco S.R.
University of Cagliari, Department of Medical Sciences ‘M. Aresu’, Unit of Internal Medicine, Allergy and Clinical Immunology, Monserato (CA), Italy

Ongoing study on the role of neutrophils, eosinophils and monocytes in bullous pemphigoid
Scarpa R., Morlin L., Agostini C., Betterle C.
University of Padua, Padua, Italy

Kutschke activation and recruitment by IgE therapy against cancer
King’s College London, St John’s Institute of Dermatology, London, United Kingdom, King’s College London, Research Oncology, Division of Cancer Studies, London, United Kingdom, King’s College London, Randall Division of Cell and Molecular Biophysics, London, United Kingdom, Cancer Research UK, Centre for Drug Development, South Mimms, United Kingdom, King’s College London, Division of Imaging Sciences, London, United Kingdom

Allergo-oncology: involvement of eosinophils in anti-tumor cytotoxicity
Gata A.S., Delbeke M., Sarazin A., Driss V., Dendooven L., Lefèvre G., Capron M.
Inserm UMR995, Université de Lille, Lille, France, Université de Lille, EA 2686 - The Institute of Immunology - French Eosinophil Network, Lille, France

The effect of Pomalidomide on bone marrow mononuclear cells in multiple myeloma patients and control subjects
Taik S., Jalali-Nadooshan M.R., Shami J., Yararee R.
Immunology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran, Pathology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran, Hematology & Oncology, Faculty of Medicine, Shahed University, Tehran, Islamic Republic of Iran
Poster Session (TPS 23) - Asthma in children

Chairs: Bianca Schaub, Germany  
Joaquin Sastre, Spain

1002 Nature of sensitisation in children during the first 5 years of life with allergy  
Shankardze E.V.1  
1National Medical Academy Postgraduate Education, Pediatrician, Kiev, Ukraine

1003 Association between serum vitamin D levels and allergic diseases in Korean children: the Korea National Health and Nutrition Examinations Survey (KNHANES)  
Lee S.-Y.1, Park H.K.1, Lee H.R.1  
1Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Pediatrics, Anyang, Republic of Korea

1004 Current treatment for asthma in junior high school students and body mass index trajectory during school age  
Suzuki S.1, Sato K.1, Watanabe H.1  
1Shimoshizu National Hospital, Pediatrics, Yotsukaido, Japan

1005 Trends in prevalence and severity of recurrent wheezing in infants from Latin America  
1Federal University of Paraná, Curitiba, Brazil, 2Federal University of São Paulo - Escola Paulista de Medicina, São Paulo, Brazil, 3University of Santiago de Chile, Santiago, Chile, 4University of Murcia, Murcia, Spain

1006 Association between low birth weight and asthma during the first three years of life  
Heidarpazdeh Arani M.1  
1Medical Science of Kashan University, Paeditric, Kashan, Islamic Republic of Iran

Poster Session (TPS 24) – Autoimmunity

Chair: Moises Labrador-Horrillo, Spain

1012 Pregnancy in women with monogenic and non-hereditary autoinflammatory syndromes  
Maccorato M.1, Striso P.2, Cantarini L.2, Lo Monaco A.3, Brizi M.G.2, Caso F.1, Doria A.1, Agostini C.2, Punzi L.1  
1University of Padova, Padova, Italy, 2University of Siena, Siena, Italy, 3University of Ferrara, Ferrara, Italy

1014 Evaluation of circulatory numbers of regulatory T-cells and plasmacytoid dendritic cells in type 1 diabetes  
Nikoueinejad H.1,2, Akbari H.3, Azimi S.4, Jazayeri M.5  
1Bagyatalatia University of Medical Sciences, Tehran, Islamic Republic of Iran, 2Kashan University of Medical Sciences, Kashan, Islamic Republic of Iran

1015 Immunologic potential of CTLA 4-Ig in murine autoimmune cholangitis  
Tanaka L.1,2, Yang C-X.1,2, Tomiyama T.2,3, Tsuneyama K.2,3, Zhang W.2, Liang PSC.2, Coppol RL.1, Joh T.1, Nadler S.G.4, Ansari A.A.1,2, Bowlus C.2, Gershwin M.E.5  
1Kyoto University Graduate School of Medical Sciences, Gastroenterology and Metabolism, Nagoya, Japan, 2University of California at Davis, Rheumatology, Allergy and Clinical Immunology, Davis, United States, 3Kansai Medical University, Third Department of Internal Medicine, Osaka, Japan, 4University of Toyama, Diagnostic Pathology Graduate School of Medicine and Pharmaceutical Science for Research, Toyama, Japan, 5University of California at Davis, Rheumatology, Allergy and Clinical Immunology, Davis, United States

1016 Infectious triggers, cytokines and course of Sjögren’s syndrome in Lviv, Ukraine  
Lisichuk-Yakymovych K.1, Pukalyak R.1, Dubuske L.M.2,3  
1Lviv National Danylo Halytsky Medical University, Lviv, Ukraine, 2,3Immunology Research Institute of New England, Gardner, MA, United States, 4George Washington University, MFA, Washington, DC, United States

1017 MBL deficiency doesn’t predispose to systemic lupus erythematosus in Algerian population  
Djouhaut K.1, Ghamaouat M.1, Gachi M.2  
1Rouba Hospital, Faculty of Medicine, Algiers, Algeria, 2Rouba Hospital, Medical Biology, Algiers, Algeria

Risk factors for asthma in a paediatric population of the Mediterranean area  
Ramiro V.1, García T.1, Blasco C.1, Vilà B.1, Pérez P.1, Moreno A.1  
1Hospital Vall d’Hebron, Universitat Autònoma de Barcelona, Pediatric Allergy Section, Barcelona, Spain

Uncontrolled asthma in children  
Al-Aani S.1, Alihammadi S.2  
1Khorfakkan Hospital, Khorfakkan, United Arab Emirates, 2UAE University, Al-Ain, United Arab Emirates

Prevalence of smoking among children of various social groups in Ukraine  
Kataliv O.1, Bulat L.1, Layko L.1, Lobodiuk A.2, Dmytriiev D.3, Koculeskiv V.1  
1Vinnitsa National Medical University n.a. N.I. Pirogov, Department of Pediatric, Vinnitsa, Ukraine, 2Vinnitsa Children’s Hospital, Vinnitsa, Ukraine, 3Vinnitsa National Medical University n.a. N.I. Pirogov, Vinnitsa, Ukraine

Psychogenic cough in the structure of chronic cough in children Vinnitsa region of Ukraine  
Lobodiuk A.1, Kataliv O.1, Bulat L.1, Layko L.1, Dmytriiev D.3, Poteeva T.1, Klimishin M.1  
1Vinnitsa Children’s Hospital, Vinnitsa, Ukraine, 2Vinnitsa National Medical University n.a. N.I. Pirogov, Department pedopedic of pediatric, Vinnitsa, Ukraine, 3Vinnitsa National Medical University n.a. N.I. Pirogov, Vinnitsa, Ukraine

Recognition of covert food allergy in bronchial asthma  
Sydorchuk A.1, Sydorchuk L.1, Sydorchuk I.1, Sydorchuk R.1, Melnychuk L.1  
1BSMU, Chernivtsi, Ukraine

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1018 **Mycophenolate mofetil in treatment of diffuse alveolar hemorrhage in primary antiphospholipid syndrome: A case report**
Janowik P.1, Sieminska A.1, Porzeczyńska M.1, Jassem E.1
1Medical University of Gdańsk, Chair of Pulmonology & Allergology, Gdańsk, Poland

1019 **Systemic lupus erythematosus complicated with liver cirrhosis in a patient with Papillon-Lefèvre syndrome**
Yasudo H.1, Isoyama T.1, Miura K.1, Harita Y.1, Takita J.1, Oka A.1
1The University of Tokyo Hospital, Pediatrics, Tokyo, Japan

1019A **Immune infertility in men**
Abdelaziz R.1, Medjiras S.1, Arab D.1, Lemdani M.1, Douaqui H.1
1Alger University, Alger, Algeria

**Poster Session (TPS 25) - Practice from the front line**

**Chair:** Radosław Gawlik, Poland

1022 **General practitioners’ awareness of the novel modalities of diagnosis and treatment of urticaria in Russia**
Serdobanov Y.1, Posporelov D.1, Sulaymanov S.1, Kochergin N.4, Kolkhir P.2
1Scientific and Clinical Advisory Center of Allergy and Immunology, Department of Allergology, Moscow, Russian Federation; 2Rostov State Medical University, Department of Dermatology and Venereology, Rostov-on-Don, Russian Federation; 3Osh Interregional Clinical Hospital, Department of Dermatology, Osh, Kyrgyzstan; 4I.M. Sechenov First Moscow State Medical University, Department of Dermatology and Venereology, Moscow, Russian Federation

1023 **Communication mismatch between health care professionals (HCPs) and patients with house dust mite (HDM) respiratory allergic disease may lead to a delay in initial diagnosis**
Troensegaard-Petersen N.1, Kirman L.2, Christensen MK.3, Dahlgren S.2
1ALK-Abelló A/S, Global Marketing, Hørsholm, Denmark; 2Cello Health Insight, London, United Kingdom; 3ALK-Abelló A/S, Hørsholm, Denmark

1024 **Survey of cognitive situation in parents’ knowledge of allergic disease**
Jiaying L.1, Ranqing S.1
1State Key Laboratory of Respiratory Disease, Guangzhou City, China

1025 **Patient preferences in the treatment of children with seasonal allergic rhinitis in primary care**
Wartha J.B.1, Bohnen A.M.1, Elshout G.1, Reitera L.1, Bindels P.J.E.1
1Erasmus MC, General Practice, Rotterdam, The Netherlands

1026 **Patient preferences in allergy immunotherapy (AIT) in Germany – findings of a discrete choice experiment for patients indicated for AIT**
Damm K.1, Volk J.2, Troensegaard-Petersen N.1, Thiessen I.2, Borchert K.1, Wüstenberg E.2,3, Mittendorf T.4
1Leibniz Universität Hannover, Hannover, Germany; 2ALK-Abelló Arzneimittel GmbH, Hamburg, Germany; 3ALK-Abelló A/S, Global Marketing, Hørsholm, Denmark; 4Xcenda GmbH, Hannover, Germany; 5Medical Faculty Dresden University, Dresden, Germany

1027 **An observational study to determine the impact of presentation order on symptom scores from patients exposed to grass allergen in a mobile environmental exposure chamber (mEEC)**
Lorenz H.1, Sadoway T.1, Nelson V.1, Patel P.1, Nandkeshore H.1, Salapatek A.M.1
1Inflamax Research, Mississauga, Canada

1028 **The use of unconventional therapy in children with allergic diseases**
Krause A.1, Zagórski W.1, Lange J.1, Zawadzka-Krajewska A.1
1Medical University of Warsaw, Department of Pediatric Pneumonology and Allergy, Warsaw, Poland

1029 **The health-related quality of life among fish and shellfish allergic adults in the UK**
Moonesinghe H.1, Venter C.1,2, Skypala I.1, Chin Y.T.1,2, Dean T.1,2, Mackenzie H.1
1University of Portsmouth, Portsmouth, United Kingdom; 2David Hide Asthma and Allergy Research Centre, Isle of Wight, United Kingdom; 3Royal Brompton and Harefield Hospital NHS Foundation Trust, London, United Kingdom; 4University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom

1030 **Validation of the Spanish version of the Food Allergy Quality of Life Questionnaire-Parent Form (S-FAQLO-PF)**
Manso L.1, Antolin D.2, Diéguez M.C.3, Muriel A.4, Huertas B.1, Pineda R.1, DunnGalvin A.6, de la Hoz B.6
1Hospital Universitario del Suroeste, Allergy Department, Arganda del Rey, Spain; 2Hospital Universitario Príncipe de Asturias, Immune System Diseases-Allergy Unit, Alcalá de Henares, Spain; 3Hospital 12 de Octubre, Allergy Department, Madrid, Spain; 4Hospital Universitario Ramon Y Cajal - IRYCIS, Biostatistics Unit, Madrid, Spain; 5School of Applied Psychology, University College Cork, Cork, Ireland; 6Hospital Universitario Ramon Y Cajal - IRYCIS, Allergy Department, Madrid, Spain

1031 **Selected socio-demographic factors and quality of life of patients with hymenoptera venom allergy treated with immunotherapy**
Szyunikiewicz E.1, Graczyk M.2, Woźniewicz A.3, Bartuzi Z.2, Żółkowska M.3, Magdalena Z.-G.5
1Chair and Clinic of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Nicolaus Copernicus University, Gdansk, Poland; 2Department of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Nicolaus Copernicus University, Gdansk, Poland; 3Department of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Nicolaus Copernicus University, Gdansk, Poland; 5Department of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Nicolaus Copernicus University, Gdansk, Poland; 5Department of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Nicolaus Copernicus University, Gdansk, Poland
POSTERS

 Poster Session (TPS 26) - Basic immunology

**Chair:** Carsten Schmidt-Weber, Germany

**1032** Measurement equivalence of the 'allergy diary by MACVIA ARIA' app touch screen visual analogue scale versus pen and paper

Acaster S.1, Gallop K.1, Bouquet J.2,3,4
1Acaster Consulting Ltd, London, United Kingdom; 2University Hospital of Montpellier, Montpellier, France; 3MACVIA-LR, European Innovation Partnership on Active and Healthy Ageing Reference Site, Montpellier, France; 4INSERM, Paris, France

**1033** Blood lipids in patients with COPD/obstructive sleep apnea overlap syndrome

Fescherko Y.1, Nazarenko K.1
1SO ‘National Institute of Phthisiology and Pulmonology named after F.G. Yanovsky NAMS of Ukraine’, Pulmonology, Kiev, Ukraine

**1034** Serum vitamin D levels and other immune parameters in patients with recurrent respiratory infections and/or allergy

Kostrubak R.1,2, Jeseňák M.1
1Jesennius Faculty of Medicine in Martin, Comenius University in Bratislava, Department of Paediatrics, Martin, Slovakia; 2Outpatient Clinic for Clinical Immunology and Allergology, Nitra, Slovakia

**1035** Results of an educational needs questionnaire for primary care

Lomidze N.1, Ryan D.2, Nekam K.3, Angier E.4, Gawlik R.2, Gomez M.6
1Tbilisi State Medical University, Centre of Allergy and Immunology, Tbilisi, Georgia; 2University of Edinburgh, Centre for Population Health Sciences, Edinburgh, United Kingdom; 3Budai Irgalmasrendi Hospital, Budapest, Hungary; 4Northern General Hospital, Allergy Department, Sheffield, United Kingdom; 5Medical University of Silesia, Katowice, Poland; 6Hospital San Bernardo, Allergy and Astma Unit, Salta, Argentina

**1036** The allergy reality in the pharmacy

Yildirim E.1, Baccioquio A.1, Kajdaskioglu A.F.1
1Kirikkale University Faculty of Medicine, Department of Immunology and Allergic Diseases, Kirikkale, Turkey

**1037** Symptomatic treatment of pollen-related allergic rhinoconjunctivitis and its relationship with asthma in children: the HATSJOE randomised controlled trial

Wartna J.1, Bohnen A.M.1, Elshout G.1, Pols D.H.J.1, Bindels P.J.E.1
1Erasmus MC, General Practice, Rotterdam, The Netherlands

**1038** Systematic literature review assessing data on the quality of life of patients suffering from allergic rhinitis with or without allergic asthma

Hahn-Pedersen J.1, Boxall N.2, Maier W.2, Linneberg A.3, Serup-Hansen N.1
1ALK, Hørsholm, Denmark; 2Mapi, London, United Kingdom; 3Glostrup University Hospital, Glostrup, Denmark

**1039** The food allergy self-efficacy questionnaire: a valid and reliable measure for assessing self-efficacy in caregivers of food allergic individuals

Greenawalt N.1, Dunn Calvin A.2
1University of Michigan Medical School, Division of Allergy and Clinical Immunology, Ann Arbor, United States; 2University College Cork, Pediatrics and Child Health, Cork, Ireland

**1040** Do infants consuming a cows’ milk exclusion diet have a healthier dietary pattern than infants consuming a normal diet?

Maslin K.1,2, Dean T.1,2, Arshad S.H.1,3, Venter C.1,2
1David Hide Asthma and Allergy Research Centre, Isle of Wight, United Kingdom; 2School of Health Sciences & Social Work, University of Portsmouth, United Kingdom; 3Faculty of Medicine, University of Southampton, United Kingdom

**1041** Evaluation of exhausted T-cell subsets in patients with infectious mononucleosis

Harchargov A.Y.1, Davidovich G.M.1,2, Ramanava L.U.1, Duzh E.V.1, DuBuske L.M.1,3,4
1Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus; 2Belarusian Medical State University, Minsk, Belarus; 3Immunology Research Institute of New England, Garder, United States; 4George Washington University, MFA, Washington, DC, United States

**1042** Liraglutide exerts an anti-inflammatory action in obese patients with type 2 diabetes

Kaidasheva E.I.1, Savchenko L.G.1, Diqtar N.I.1, Selichova L.G.1, Kaidasheva E.I.2, Shlykova O.A.1, Vesnina L.E.1, DuBuske L.M.2,3
1Ukrainian Medical Stomatological Academy, Poltava, Ukraine; 2Immunology Research Institute of New England, Garder, MA, United States; 3George Washington University, MFA, Washington, DC, United States

**1043** Role of histamine H1 and H3 receptors in IL-27 synthesis by PBMC and dendritic cells

Khrapivnya K.A.1, Evstratova V.I., Riger N.1, Tuteyan A.1, Gaponov A.1, Pols D.H.J.1, DuBuske L.M.1,2
1Scientific-Research Institute of Nutrition, Moscow, Russian Federation; 2Immunology Research Institute of New England, Garder, MA, United States; 3George Washington University, MFA, Washington, DC, United States
1044 An in vitro synthesis of Th1/Th2 cytokines by peripheral blood mononuclear cells and derived dendritic cells
Khantiev Yan RA 1, Evstratova V.1, Riger N.1, Tutelyan A.1, Gaponov A.1, Dubuske LM 2,3
1Scientific-Research Institute of Nutrition, Moscow, Russian Federation, 2Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

1045 Clinical and laboratory differences in immune status of young athletes with long vigorous training schedules
Mustafayev I.A.1
1Azerbaijan

1046 Microarray detection of highly expressed genes in peripheral blood mononuclear leukocytes from patients with chronic ethanol intoxication
Titov LP 1, Pavlov K.I.1, Kapitau A.B.1, Prihodko I.I.1, Dubuske LM 2,3,4,5
1Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Republiciano Scientific and Practical Center for Epidemiology and Microbiology Republican Research and Practical Center for Mental Health, Minsk, Belarus, 3Arrayit Corporation, Minsk, Belarus, 4Immunology Research Institute of New England, Gardner, MA, United States, 5George Washington University, MFA, Washington, DC, United States

1047 Immunoglobulin heavy chain gene somatic recombination in B-lymphocytes populations from healthy persons and patients with chronic infections
Titov LP 1, Pavlov K.I.1, Dubuske LM 2,3
1Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

1048 Assessment of Toll-like receptors and cytokine production by peripheral blood mononuclear cells and granulocytes in patients having chronic prostatitis and chronic pelvic pain syndrome
Drannik GN 1,2, Korpichenko II.1, Poroshina TV2, Savchenko SV2, Nurmimanov KR3, Tsybulkin N2, Dubuske LM 2,3,4
1Republican Scientific and Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

1049 Peculiarities of the immune status in the long term of emotional stress in patients with arterial hypertension
Zaitseva N.1, Siziakina L.2
1Rostov State Medical University, Department of Clinical Immunology and Allergology, Rostov-on-Don, Russian Federation, 2Rostov State Medical University, Rostov-on-Don, Russian Federation

1050 Immune status in bronchiolitis obliterans in children
Mustafayev I.A.1
1Research Institute of Lung Diseases, Pulmonology, Baku, Azerbaijan

1051 HLA associations with cytokine levels and disease course in patients with chronic kidney disease and glomerulonephritis
Drannik GN 1, Kolesnik M.O.1, Driianska V.E.1, Petriha H.P.1, Velichko M.B.1, Nepomnyashchi V.M.1, Gaisenyuk FZ 1, Dubuske LM 2,3
1Academy of Science, Institute of Urology, Kiev, Ukraine, 2Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

1052 The effect of systemic corticosteroids on the innate and adaptive immune system
Baris H.E.1, Baris S.1, Karakoc-Aydiner E.1, Oqlur I.1, Cicekkoku D.1, Yigit O.1, Ozen A.1, Gokce I.2, Yildiz N.2, Alpay H.2, Barlan I.1
1Marmara University Research and Training Hospital, Pediatric Allergy and Immunology, Istanbul, Turkey, 2Marmara University Research and Training Hospital, Division of Pediatric Nephrology, Istanbul, Turkey

1053 Immunological impact of induced acute physical activity reduction
Silva D.1,2, Moreira R.3, Pinto M.4, Sokhatska O.5, Beltrão M.6, Pizarro A.7, Delgado L.8,9, Carvalho J.10, Pedro M.11, Moreira A.1,2,4
1Faculty of Medicine of Porto University, Porto, Portugal, 2Centro Hospitalar de São João, Serviço de Imunologia, Porto, Portugal, 3Faculty of Nutrition and Food Sciences University of Porto, Porto, Portugal, 4Faculty of Medicine of Porto University, Immunology Department, Porto, Portugal, 5Faculty of Sports of Porto University, Research Centre in Physical Activity, Health and Leisure, Porto, Portugal

1054 Immunological rehabilitation by WBV neuromuscular technology
Shirapovay 1, Pryvin V.1
1Samara State Medical University, Normal Physiology, Samara, Russian Federation

1055 Large scale manufacturing of recombinant Bet v 1.0101 in Chinese hamster ovary cells
Rook J.1, Warmenhoven H.2, Brugman O.1, Verbart D.1, Huybens A.1, van Schijndel H.3
1HALIX BV, Leiden, Leiden, The Netherlands, 2HAL Allergy, AMC, Amsterdam, The Netherlands, 3HAL Allergy, Leiden, The Netherlands

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Poster Session (TPS 27) - Rhinitis and rhinosinusitis

1056 Gene polymorphisms of Interleukin-10 and transforming growth factor beta in allergic rhinitis
Nasiri R,1 Hirbod A2, Movahedi M,2 Rezaei N,2,3 Amirzargar A,2,3
1Kurdistan University of Medical Sciences, Pediatrics, Sanandaj, Islamic Republic of Iran, 2Tehran University of Medical Sciences, Tehran, Islamic Republic of Iran, 3Tehran University of Medical Sciences, Sanandaj, Islamic Republic of Iran

1057 Mitochondrial respiratory capacity of peripheral blood mononuclear cells is impaired after nasal allergen challenge
Du S1,2,3, Barnig C1,2, Charles A-L2, Poirot A1,2,3, Clerc-Jehl R1,2,3, Geny B1,2,3, de Blay F1,2,3
1University Hospital of Strasbourg, Department of Chest Disease, Strasbourg, France, 2Equipe d’Accueil 3072, Mitochondrie, Stress Oxydant et Protection Musculaire, Strasbourg, France, 3Fédération de Médecine Translationnelle, Strasbourg, France, 4University Hospital of Strasbourg, Department of Physiology and Functional Explorations, Strasbourg, France

1058 Relationship between food sensitisation and serum leptin levels with local airway inflammation in allergic rhinitis
Kalpaklioglu A2, Baccioglu A2, Yildirim E1, Kisa U1
1Kirikkale University Faculty of Medicine, Immunology and Allergic Diseases, Kirikkale, Turkey, 2Kirikkale University, Immunology and Allergic Diseases, Kirikkale, Turkey, 3Kirikkale University Faculty of Medicine, Biochemistry, Kirikkale, Turkey

1059 Mapping the local inflammatory cytokine secretion following a cumulative allergen dose using the Allergic Rhinitis Clinical Investigator Collaborative Nasal Allergen Challenge model
Soliman M1, Thiele J1, Boulet L-P2, Keith P1, Vilagovtsis H1, Wasserman S1, Neighbour H1, Ellis A1,2
1Queen’s University, Biomedical and Molecular Science, Dept of Medicine, Kingston, Canada, 2Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec City, Canada

1060 Altered expression and signalling of prostaglandin E receptors EP2 and EP4 in nasal polyps of AERD patients
Machado-Carvalho L1,2, Torres R2,3, Perez-Gonzalez M1,2, Alobid I1,2,4, Mullol J1,2,4, Pujols L1,2, Roca-Ferrer J1,2, Picado C1,2,5
1Institut d’Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Clinical and Experimental Respiratory Immunology, Barcelona, Spain, 2Clinical characteristics and expression pattern of IL-33 and IL-25 according to histologic classification in chronic rhinosinusitis with nasal polypsis
Kim Y-M1, Xu J1, Rha K-S1, Chungnam National University School of Medicine, Otorhinolaryngology-Head and Neck Surgery, Daejeon, Republic of Korea
1Universitat Autònoma de Barcelona, Department of Pharmacology, Bellaterra, Spain, 4Hospital Clinic, Rhinology Unit & Smell Clinic, ENT, Barcelona, Spain, 5Hospital Clinic, Pneumology and Respiratory Allergy Department, Barcelona, Spain

1061 TH1/TH2 cytokine profiles in mono- and poly- sensitised allergic rhinitis patients
Khanferyan P1, Janaeva-Adaeva H2, Muslimova Z3, Janaeva N2, Riger N1, Radzhagadiyev R1, Savchenko E1, Macharadze D2, Dubuske LM4,5
1Scientific-Research Institute of Nutrition, Moscow, Russian Federation, 2Clinical Center ’Planet of Health’, Uru-Martan, Russian Federation, 3Peoples’ Friendship University of Russia, Moscow, Russian Federation, 4Immunology Research Institute of New England, Gardner, MA, United States, 5George Washington University, MFA, Washington, DC, United States

1062 Correlation of fractional exhaled nitric oxide, nasal nitric oxide and atopic status: a cross-sectional study in allergic rhinitis
Baccioglu A1, Kalpaklioglu A2, Baccioglu A2, Yildirim E1, Kisa U3
1Kirikkale University Faculty of Medicine, Division of Pulmonary Diseases, Division of Immunology and Allergic Diseases, Kirikkale, Turkey, 2Kirikkale University, Immunology and Allergic Diseases, Kirikkale, Turkey, 3Kirikkale University Faculty of Medicine, Biochemistry, Kirikkale, Turkey

1063 The relationship between eosinophils and non-specific/ specific IgE responses in allergic rhinitis and chronic sinusitis patients
Suzuki Y1, Inaba Y1, Inoue-Nagaoka M1
1Tokyo Medical and Dental University, Otorhinolaryngology, Tokyo, Japan

1064 Fluticasone furoate Inhibits pro-inflammatory mediator release in a cytokine-driven model of cultured human nasal epithelial cells
Roca-Ferrer J1, Pujols L, Pérez-Gonzalez M1, Fuentes M1, Alobid I1, Valero A1, Picado C1, Mullol J1,1
1Institut d’Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Clinical and Experimental Respiratory Immunology, Barcelona, Spain

1065 Epithelial gene expression analysis of nasal tissue from patients with chronic rhinosinusitis with and without nasal polyps by qRT-PCR and in situ hybridisation
Kirsche H1, Fraenzer J-T1, Rudack C1
1University Hospital Muenster, ENT, Muenster, Germany, 2n.n., Weme a.d. Lippe, Germany

1066 Comparison of different medical treatment options for CRSwNP: doxycycline, methylprednisolone, mepolizumab and omalizumab
De Schryver E1, Van Zele T1, Bachert C1,2, Gevaert P1
1Upper Airways Research Laboratory, Ghent University Hospital, Otorhinolaryngology, Ghent, Belgium, 2CLINTEC, Karolinska Institutet, otolaryngology, Stockholm, Sweden

1067 Clinical characteristics and expression pattern of IL-33 and IL-25 according to histologic classification in chronic rhinosinusitis with nasal polypsis
Kim Y-M1, Xu J1, Rha K-S1, Chungnam National University School of Medicine, Otorhinolaryngology-Head and Neck Surgery, Daejeon, Republic of Korea
1Universitat Autònoma de Barcelona, Department of Pharmacology, Bellaterra, Spain, 4Hospital Clinic, Rhinology Unit & Smell Clinic, ENT, Barcelona, Spain, 5Hospital Clinic, Pneumology and Respiratory Allergy Department, Barcelona, Spain
1068 Nitric oxide as a screening tool to evaluate postoperative state of chronic rhinosinusitis
1 Dong-A University, Dept of Otorhinolaryngology, Head and Neck Surgery, Busan, Republic of Korea, 2 Dong-A University, Dept of Pediatrics, Busan, Republic of Korea, 3 Dong-A University, Dept of Internal Medicine, Busan, Republic of Korea

1069 Inhibitory effects of lipopolysaccharide on production of pro-inflammatory cytokines and MMP production via TLR4 in nasal polyp-derived fibroblast and organ culture
Lee H-M. 1, Shin J-M. 1, Cho J-S. 2, Park I-H. 1
1 Korea University College of Medicine, Department of Otorhinolaryngology, Seoul, Republic of Korea, 2 Korea University Graduate School, Department of Biomedical Science, Seoul, Republic of Korea

1070 Suppression of periostin production from nasal cells by macrolide antibiotics in vitro and in vivo
Furuta A. 1, Asano K. 1, Kobayashi H. 1
1 Showa University, School of Medicine, Department of Otorhinolaryngology, Tokyo, Japan, 2 Showa University School of Nursing and Rehabilitation Sciences, Division of Physiology, Yokohama, Kanagawa, Japan

1070A Abnormal expression and distribution patterns of Ki67 in remodeled epithelium from nasal polyps
Zhao L. 1, Liu YY. 1, Li CW. 2, Nguyen HN. 3, Shi L. 1, Wang D.Y. 2
1 Qiliu Hospital of Shandong University, Department of Otorhinolaryngology, Jinan, China, 2 National University of Singapore, Department of Otorhinolaryngology, Singapore, Singapore, 3 Pham Ngoc Thach University of Medicine, Department of Otolaryngology, Vietnam, Viet Nam

1071 Release of Th2 tissue cytokines and BAFF by epithelial cells of nasal polyps
Botta M. 1, Bucca C. 1, Heffler E. 1, Riva G. 2, Rolla G. 1
1 University of Turin, Medical Science, Turin, Italy, 2 University of Turin, ENT Division, Turin, Italy

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**Posters Session (TPS 28) - Allergic Inflammation**

**Chairs:** Gunnar Nilsson, Sweden
Revaiz Sepiashvili, Georgia

1072 Tryptase and histamine may support provocation tests in the diagnosis of allergy
Marseglia A. 1, De Amici M. 1, Caimmi S. 1, Licari A. 1, Trovamala V. 1, Torre C. 1, Nigrisoli S. 1, Caimmi G. 2, Testa G. 1, Marseglia G.L. 1
1 Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2 CHRU de Montpellier, Allergy Unit and Cystic fibrosis Center, Montpellier, France

1073 Cytokine secretion profile of the human mast cell line LAD2 and human peripheral blood derived mast cells differs
Larsen L.F. 1, Poulsen L.K. 1, Jensen B.M. 1
1 Allergy Clinic, Copenhagen University Hospital Gentofte, Hellerup, Denmark

1074 Evaluation of immunomodulatory properties of water-soluble fullerenes
Bachkatova E. 1, Shershakova N. 1, Purginga D. 1, Andreev S. 1, Khatov M. 1
1 NRC Institute of Immunology FMBA, Moscow, Russian Federation

1075 Azelastine and cromolyn can inhibit degranulation of peripheral blood derived mast cells
Kortekaas Krohn I. 1, Steeiant B. 1, Seys S. 1, Wouters M. 1, Ceuppens J. 1, Hellings P. 1,2
1 KU Leuven, Microbiology and Immunology, Leuven, Belgium, 2 KU Leuven, Translational Research Center for Gastrointestinal Disorders, Leuven, Belgium, 3 UZ Leuven, Otorhinolaryngology, Leuven, Belgium

1076 Sirtuin 1 modulates IL-4 gene expression in human mast cell
Nakamuray V. 1, Takagi D. 1, Fukuda S. 1
1 Hokkaido University Graduate School of Medicine, Otorhinolaryngology, Sapporo, Japan

1077 Hypereosinophilic syndrome: a case report
Demirel F. 1, Yesilik S. 1, Selcuk A. 1, Gulec M. 1, Baysan A. 1, Kartal O. 1, Yildirim M. 2, Kurt T. 2, Musabak U. 2, Senel O. 1
1 Gulhane Military Medical School, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2 Gulhane Military Medical School, Department of Internal Medicine, Division of Haematology, Ankara, Turkey, 3 Gulhane Military Medical Academy and Medical School, Department of Internal Medicine, Ankara, Turkey

1078 Case report: idiopathic acute eosinophilic pneumonia (IAEP)
Ivecic V. 1, Koceka J. 1, Mise K. 1, Mladinov S. 1, Bozinosic T. 1, Popovic V. 1
1 University Hospital Center Split, Department of Pulmonary Diseases, Split, Croatia

1079 Overexpression of FoxP3-expressing CD4+CD25+ regulatory T cells in peripheral blood from patients with canine atopic dermatitis
Favrot C. 1
1 Vetsuisse Faculty University of Zürich, Clinic for Small Animal Internal Medicine Dermatol, Zürich, Switzerland

1080 Priority character of immune response in psoriasis and psoriatic arthritis
Smirnova S.V. 1, Smolnikova M.V. 1, Barilo A.A. 1, Tereshchenko S.V. 1, Scientific Research Institute of Medical Problems of the North, Krasnoyarsk, Russian Federation

1081 Interleukin IL-17A and function of (stimulated and non stimulated) neutrophils measured by chemiluminescence in food allergy hypersensitivity patients
Zukowska M. 1, Pałgaj K. 1, Gawronska E. 1, Kuzminski A. 1, Przybyszewska M. 1, Bartuzi Z. 1
1 UMK Collegium Medicum, Bydgoszcz, Poland
**Poster Session (TPS 29) - Primary and secondary immunodeficiencies**

**1082** Could IL-33 play a role in peach allergic patients?  
**Uusaf C.G.** 1, Di Sano C. 2, Albegjanii G. 1, Brusca I. 1, Gjomarkaj M. 1, Gangelmi S. 1, Pace E. 1  
1Institute of Biomedicine and Molecular Immunology 2A. Monroy 1IBM - National Research Council (CNR), Allergy Diseases Center 2Prof G.Bonsignore, Palermo, Italy, 2Buccheri La Ferla Hospital, Clinical Pathology, Allergy Unit, Palermo, Italy, 2Policlinic Hospital, University of Messina, Allergy Dept, Messina, Italy

**1083** Decreased proliferation of parainfluenza type 3 virus (PIV3) in primary nasal epithelial cells of patients with allergic rhinitis is associated with an impaired immune response  
Globinska A. 1, Olszewska-Ziaber A. 1, Pawelczyk M. 1, Plechota-Polanczyk A. 1, Jablonska A. 1, Moskwa S. 1, Jarzewska M. 1, Taka S. 2, Papadopoulos N.G. 2, Kowalski M.L. 1  
1Medical University of Lodz, Lodz, Poland, 2nd Paediatric Clinic, University of Athens, Allergy Dpt, Athens, Greece

**1084** Use of oral immunoglobulins for Norovirus gastroenteritis in a patient with severe combined immunodeficiency  
Edgar M. 1, Yamaizaki M.A. 2  
1The National Institute of Pediatrics in Mexico, Allergy and Immunology, Distrito Federal, Mexico, 2The National Institute of Pediatrics in Mexico, Immunology, Distrito Federal, Mexico

**1085** Preliminary data on the benefit of HyQvia® in CVID-associated thrombocytopenia  
Marinangelo L. 1, Moraru R.M. 2, Gelardi C. 2, Pedini V. 2, Damia Paciarini A. 2, Danieli M.G. 2  
1Università Politecnica delle Marche, Allergy and Clinical Immunology, Ancona, Italy, 2Università Politecnica delle Marche, Clinical Medicine, Ancona, Italy

**1086** Chronic granulomatous disease in Singapore  
Cheng K.W. 1, Liew W.K. 1, Thoon K.C. 1  
1KK Women’s and Children’s Hospital, Paediatric Medicine, Singapore, Singapore

**1087** Purine nucleoside phosphorylase (PNP) deficiency presenting as combined immune deficiency with no infections  
Kıyıkım A. 1, Kıyıkım E. 2, Karamać Aydiner E. 1, Nain E. 1, Barış S. 1, Özen A. 1, Hershfield M. 1, Barlan I. 1  
1Marmara University Research and Training Hospital, Pediatric Allergy and Immunology, Istanbul, Turkey, 2Istanbul University Cerrapasa Medical Faculty, Inborn Metabolic Disorders and Nutrition, Istanbul, Turkey, 3Duke University Medical Center, Durham, United States

**1088** A case series of DiGeorge syndrome with different manifestations  
Gorjipour H. 1, Saheqzadeh Z. 2, Chavoshzadeh Z. 2, Tabatabaee S.A. 2  
1Mofid Children’s Hospital, Tehran, Islamic Republic of Iran, 2Mofid Children’s Hospital, Pediatrics, Tehran, Islamic Republic of Iran

**1089** Lymphocyte subset abnormalities in heterozygous carrier state for ataxia-telangiectasia  
Ogulur I. 1, Baris S. 1, Aydiner-Karakoc E. 1, Uyar E. 1, Kıyıkım A. 1, Cicekkoku D. 1, Özen A. 1, Barlan I. 1  
1Marmara University, Division of Pediatric Allergy-Immunology, Istanbul, Turkey

**1090** Hereditary angioedema with normal C1 inhibitor levels: can my daughters have this disease?  
Cosme J. 1, Spinola A. 1, Lopes A. 2, Pereira-Barbosa M. 1, 2  
1Hospital de Santa Maria, CHLN, E.P.E., Serviço de Imunologia e Infectologia, Lisboa, Portugal, 2Centro Português do Sangue e da Transplantação de Coimbra, Coimbra, Portugal, 3Hospital de Santa Maria, CHLN, E.P.E., Lisboa, Portugal, Serviço de Imunologia e Infectologia, Lisboa, Portugal, 4Faculdade de Medicina de Lisboa, Lisboa, Portugal

**1091** Hyper IgE in a HIV positive patient  
Cruz C. 1, Didenko I. 1, Inácio F. 1  
1Hospital de São Bernardo, Serviço de Imunologia e Infectologia, Setúbal, Portugal

**1092** Immune deficiency and Wegener’s granulomatosis: a report of a rare coexistence  
Yesilik S. 1, Selcuk A. 1, Bayran A. 1, Demirel F. 1, Kartal O. 1, Gulec M. 1, Musabak U. 1, Sener O. 1  
1Gulhane Military Medical Academy and Medical School, Division of Immunology and Allergic Diseases, Ankara, Turkey

**1093** Perioperative anaphylaxis as the first manifestation of systemic mastocytosis – case report  
Regoateiro P.S. 1, Sousa N.S. 1, Faria E. 1, Todo-Bom A. 1, 2  
1Coimbra University Hospital Centre, Service of Clinical Immunology and Allergy, Coimbra, Portugal, 2University of Coimbra, Institute of Immunology, Coimbra, Portugal, 3Leiria-Pombal Hospital Centre, Leiria, Portugal

**1094** The case of late diagnosed primary ciliary dyskinesia in girl 6 years old with allergic and frequent respiratory infection  
Namazova-Baranova L. 1,2, Vishneva E. 1, Geyerovych A. 1, Selimzyanova L. 1,2, Simonova A. 1, Simonova O. 1,2, Kustova O. 1, Promyslova E. 1  
1Scientific Centre for Children Health, Moscow, Russian Federation, 2First Moscow State Medical University named after I.M. Sechenov, Moscow, Russian Federation, 3The Russian National Research Medical University named after N.I. Pirogov, Moscow, Russian Federation
Poster Session (TPS 30) - Sensitisation, allergen extracts and efficacy of AIT

Chairs: Ana Isabel Tabar, Spain
Luis Marques, Spain

1095 Safety and tolerability of high doses of sublingual tablet of house dust mite allergen extracts in subjects with house dust mite-associated respiratory allergy
Demoly P.1, Le Gall M.2, Roux M.2, Zeldin R.K.2
1Montpellier University Hospital, Montpellier, France,
2Stallergenes S.A., Antony, France

1096 Cost-minimisation analysis of SQ HDM SLIT-tablet versus SQ HDM SCIT for house dust mite allergy in Denmark
Renborg S.1, Theiliggaard S.2, Winther A.3, Johnsen C.4, Hahn-Pedersen J.5, Nørgaard Andreasen J.5, Olsen J.6
1Allergy- og Lungeklinikken Vanløse, Vanløse, Denmark, 2Øre Narse Hals Klinikken, Esbjerg, Denmark, 3GP, Birkerød, Denmark, 4Gentofte Hospital, Allergiklinikken, Gentofte, Denmark, 5ALK, Hørsholm, Denmark, 6Incetive, Holte, Denmark

1097 Subcutaneous immunotherapy prescription at University Hospital “Puerta de Hierro” of Madrid from 2006 to 2014
Villacón García A. L.1, Iglesias Casado A.1, Reano Martos M.1, Lopez San Martín M. G.1, Perez Pliego A.1, Rodriguez Mosquera M.1
1Hospital Universitario Puerta de Hierro de Majadahonda, Allergy, Madrid, Spain

1098 Accelerated up-dosing with a registered allergoid birch pollen SCIT preparation is non-inferior to conventional up-dosing
Buczylko K.1, van der Werf J.F.2, Boot D.3, van Ree R.3, Majerek-Olechowska B.4
1NVOZ Centrum Alerziologii, Łódź, Poland, 2HAL Allergy, Leiden, The Netherlands, 3Academic Medical Center, University of Amsterdam, Department of Experimental Immunology, Amsterdam, The Netherlands, 4Alergo-Med Specjalistyczna Przychodnia Lekarska Sp. z o.o., Tarnów, Poland

1099 Safety and efficacy of subcutaneous immunotherapy
Moreira A.1, Lopes I.2, Moreira Silva J.3
1Centro Hospitalar Vila Nova de Gaia e Espinho, EPE, Immunoclínic, Vila Nova de Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Vila Nova Gaia, Portugal

1100 Evaluation of subcutaneous immunotherapy to dog and cat epithelium: our experience
Prat Vergés L.1, Dalmau Duch G.1, Gázquez Garcia V.1, Gaig Jané P.1, Araujo Sánchez C.G.1
1Hospital Universitari Joan XXIII, Tarragona, Spain

1101 Design of a phase III short-term efficacy study with allergen specific immunotherapy in patients with birch pollen induced allergic rhinitis/rhinoconjunctivitis
van Nimmegen M.1, Pfaar O.2, Kuna P.2, Dzupinova J.2, Kostoudi S.3, Savvatianos S.3, Douladíris N.4, Papadopoulous N.G.4, Manousakis E.4
1National & Kapodistrian University of Athens, 2rd Pediatric Clinic, Allergy Unit, Athens, Greece, 2National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy Unit, Athens, Greece, 3National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Allergy Unit, Athens, Greece, 41107 Sublingual immunotherapy against alternaria allergens in patients with asthma
Carbonell Martínez A.1, Escudero Pastor A.1, Miralles López J.C.1, Martínez-Navarro A.1, Fernandez Calvo E.1, Cardona P.2, Cruz M.J.2
1Hospital Reina Sofia, Murcia, Spain, 2HAL Allergy, Barcelona, Spain
Clinical course of patients treated with sublingual immunotherapy with extract of Alternaria alternata
Millán C.1, Qurait J.2, Gómez M.J.1, Carrión J.3
1Complejo Hospitalario de Jerez de la Frontera, Cádiz, Spain, 2Hospital Virgen del Rocío, Sevilla, Spain, 3Laboratorios Leti S.L.U, Madrid, Spain

Early efficacy results in the Alumites study: a randomised, controlled, multicenter, phase IV study with house dust mites subcutaneous immunotherapy. Two months symptoms and medication scores
1Hospital Clinic Universitari Barcelona, Barcelona, Spain, 2Complejo Hospitalario Universitario de Santiago, Santiago de Compostela, Spain, 3IIS Hospital La Fe, Valencia, Spain, 4Hospital Clínico Universitario de Valencia, Valencia, Spain, 5Stallergenes Ibérica, S.A, Barcelona, Spain

Monomeric carbamylated allergoid given by injections to pediatric patients with allergic rhinitis with/without asthma due to house dust mites is safe and well tolerated
Rinciani A.1, Compalati E.2
1Private Ambulatory of Pediatrics, Gela (Caltanissetta), Italy, 2Lofarma S.p.A., Medical Department, Milano, Italy

Predictive factors for clinical response to pollen immunotherapy in children
Karaman S.1, Bahçeçi Erdem S.1, Nacaroglu H.T.1, Ünsal Karkiner C.Ş.1, Günay I.2,3, Can D.1
1Dr Behçet Uz Children’s Hospital, Pediatric Allergy, Izmir, Turkey, 2Dr Behçet Uz Children’s Hospital, Izmir, Turkey

Is there any parameter helpful for patient selection before mite immunotherapy?
Karaman S.1, Bahçeçi Erdem S.1, Nacaroglu H.T.1, Ünsal Karkiner C.Ş.1, Günay I.2,3, Can D.1
1Dr Behçet Uz Children’s Hospital, Pediatric Allergy, Izmir, Turkey, 2Dr Behçet Uz Children’s Hospital, Izmir, Turkey

Poor correlation between symptom scores and absolute levels of allergen-specific serum IgE in allergic rhinitis
Pflaer Q.1, van Twuijver E.2, Boot D.2, El Galta R.2, Klimek L.3, van Ree R.4, Kuna P.1, Panzer P.5
1Center for Rhinology and Allergology Wiesbaden, Department of Otorhinolaryngology, Head and Neck Surgery, Universitätsmedizin Mannheim, Medical Faculty Mannheim, Heidelberg University, Mannheim, Wiesbaden, Germany, 2HAL Allergy, Leiden, The Netherlands, 3Center for Rhinology and Allergology Wiesbaden, Wiesbaden, Germany, 4Department of Experimental Immunology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands, 5Bartoliki University Hospital, Medical University of Lodz, Lodz, Poland, 6Dept of Allergology and Immunology, Medical Faculty in Pizen, Charles University Prague, Prague, Czech Republic

The functional differences of airway epithelium activation by native and denatured Dermatophagoides pteronyssinus
Tsai J.-J.1
1Tai Chung Veterans General Hospital, Internal Medicine, Taichung, Taiwan

Strong T-cell stimulation and clearly reduced basophil activation reflect promising clinical results of a new Phleum pratense allergoid
Kahler H.1, Mertens-Beer M.1, Klysner S.1
1Allergopharma GmbH & Co. KG, Research & Development, Reinbek, Germany

Local inhibition of IL-4- and IL-13-mediated signaling as adjuvant for tolerance induction during allergen-specific immunotherapy
Rübsamen D.1,2, Aguilar-Pimentel A.1, Gronwald T.1, Gaius-Durner V.1, Fuchs H.1, Brederhorst R.4, Ohmacht C.1,2, Ollert M.1, Hrabé de Angelis M.1,2, Schmidt-Weber C.1,2, Blank S.1,2
1Technical University Munich, Center of Allergy and Environment (ZAU), Munich, Germany, 2Helmholtz Zentrum München, Institute of Allergy Research, Member of the German Center for Lung Research (DZL), München, Germany, 3Helmholtz Zentrum München, German Mouse Clinic, Institute of Experimental Genetics, München, Germany, 4PLS Design GmbH Hamburg, Hamburg, Germany, 5Centre de Recherche Public de la Santé (CRP-Santé), Department of Infection and Immunity, Luxembourg, Luxembourg, 6Helmholtz Zentrum München, German Mouse Clinic, Institute of Experimental Genetics, German Center for Diabetes Research, München, Germany, 7Technical University Munich, Chair of Experimental Genetics, Center of Life and Food Sciences Weihenstephan, München, Germany

Correlation between in vitro immunological changes and main allergens concentration in sublingual mites allergen immunotherapy
Espinoza M.L.1, Letrán A.1, Tabar A.I.2, Moreno F.1
1Clínica Lobatón, s.l.p., Cádiz, Spain, 2Complejo Hospitalario de Navarra, Pamplona, Spain

Multiple sublingual immunotherapies (SLIT) in polyallergic patients – real-life medical practice data
Karążmarski P.1, Shah-Hosseini K.2, Hadler M.1, Moesges R.2
1Stallergenes GmbH, Kamp-Lintfort, Germany, 2Institute of Medical Statistics, Informatics and Epidemiology (IMSE), Cologne, Germany

Does specific IgE (sIgE) or the skin prick test (SPT) predict the response of grass pollen allergic patients exposed to Dactylis glomerata pollen in an environmental challenge chamber (ECC)?
Homolla V.1,2, Tribanek M.1, Karjalainen M.1, Narkus A.1, Häfner D.1
1Allergopharma GmbH & Co. KG, Reinbek, Germany, 2Clinical Institute of Experimental Genetics, German Center for Diabetesc Research, München, Germany
### Posters

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<td>Can sublingual allergen immunotherapy for house dust mites influence the long-term evolution of severe atopic dermatitis and the progression to respiratory allergy? Results of an observational comparison with pharmacotherapy</td>
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<td>Zivkovic Z.1, Ivanova D.-F.1, Stojaeva M.1, Filipovic D.2,3</td>
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<td>Comenius University Faculty of Medicine, 2nd Dept of Geriatric Medicine, Bratislava, Slovakia, 1</td>
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<td>1129</td>
<td>Therapeutical use of micro-RNAs for regulating IgE in allergic asthma. Maria Carme PARÉS SANTILARI, Gilbert GLADY</td>
<td>Parés Santillari M.C.1, GladY G.1</td>
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<td>1130</td>
<td>Vaccination of horses against insect bite hypersensitivity: intralymphatic injection with allergens in alun or alun and monophosphoryl lipid A</td>
<td>Jonsdottir S.1, Marti E.2, Svansson V.1, Torsteinsdottir S.2</td>
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<td>Institute for Experimental Pathology, University of Iceland - Keldur, Reykjavik, Iceland, 3</td>
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<td>University of Bern, Department of Clinical Research and Veterinary Public Health, Bern, Switzerland, 4</td>
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<td>1131</td>
<td>Vaccine prophylaxis of patients with COPD combined with coronary heart disease (CHD)</td>
<td>Ignatova G.1, Antonov V.1, Rodionova O.1, Belsner M.2</td>
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<td>South Ural State Medical University, Therapy, Chelyabinsk, Russian Federation</td>
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**Poster Session (TPS 32) - Allergen standardisation**

**Chairs:** Heimo Breiteneder, Austria
Domingo Barber, Spain

1132 **Validation of an ELISA method using in-house nPHI p 5 and the European Pharmacopoeia reference standard rPHI p 5**
Arilla C.1, Ibarrola I.1, Breno S.1, Santos M.1, Zamarreño J.1, Martínez A.1, Asturias J.1
1Bial-Aristegui, R&D Department, Zamudio, Spain

1133 **Minor allergens in birch allergen products – is standardisation possible?**
Zimmer J.1, Döring S.1, Streek D.1, Führer F.1, Trösemeier J.-H.1, Vieths S.1, Kaul S.2
1Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany,
2Paul-Ehrlich-Institut, Division of EU Co-operation/Microbiology, Langen, Germany

1134 **Stress stability study on a Phleum pratense extract**
Acharya S.1, Saini G.1, Sinninge N.1, van den Hout R.1, Luykx D.1
1HAL Allergy, Leiden, The Netherlands

1135 **Development of a capture-ELISA assay for the analysis and quantification of Dermatophagoides pteronyssinus allergoids**
Marco FM.1, Brotons B.2, Kutser O.3, Ferrer A.4, Hernández F.T.2, Carrón M.A.2, Díaz P.2
1ASAC Pharma, Medical Dept, Alicante, Spain, 2ASAC Pharma, R&D, Alicante, Spain, 3Universidad de Alicante, Alicante, Spain, 4Hospital General Universitario de Elche, Elche, Spain, 5ASAC Pharma, QC, Alicante, Spain

1136 **Biochemical and immunological characterisation of a depigmented-polymerised extract of cat epithelia**
Carne J.1, Gallego M.T.1, Morales M.1, López Matais M.A.1, Moya R.1, Leonor J.R.1, Iraola V.1
1Laboratorios LETI, S.L., R & D, Tres Cantos, Spain

1137 **Mass spectrometry for allergen product characterisation. Multiple reaction monitoring for the quantification birch pollen allergens at the isoform level**
Spuric J.1, Schulpens T.1, Engin A.1, Karas M.2, Vieths S.1, Reuter A.1
1Paul Ehrlich Institute, Allergology, Langen, Germany, 2Goethe Universität Frankfurt, Institute of Pharmaceutical Chemistry, Frankfurt, Germany

1138 **Purified natural Aln g 1 as a candidate reference standard for relevant allergen quantification in alder pollen extracts**
Henri C.1, Lebrun C.1, Berjont N.1, Couret M.-N.1, Barberon J.1, Berrouet C.1, Naveau-Drobinski M.1, Hrabina M.1, Mascarel L.1, Batard T.1, Moiniee P.1
1Stallergenes SA, Antony, France

1139 **Biological standardisation of allergenic ragweed pollen extract**
Pamaiascu C.1, Marussciac L.1, Tamas T.1, Perez I.1, Pineda de la Llora F.1
1University of Medicine and Pharmacy Victor Babes Timisoara, Functional Sciences, Timisoara, Romania, 2DIATER Laboratories, R+D, Madrid, Spain

1140 **Stability of a mixture of cat epithelium and Dermatophagoides pteronyssinus aqueous extracts**
Abel-Fernández E.1, Puchalska PA.2, Sánchez Palacios A.1, Fernández-Caldas E.2
1University Complutense de Madrid, Madrid, Spain, 2Immunotek S.L, Alcalá de Henares, Spain, 3Hospital Universitario Insular de Gran Canaria, Gran Canaria, Spain

1141 **Requirement for aluminium hydroxide as adjuvant for successful ultra-fast immunotherapy with allerT**
Kettner A.1, Boand V.1, Duc S.1, Reymond C.1
1Anergis SA, Epalinges, Switzerland

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**Poster Session (TPS 33) - Hereditary angioedema**

**Chairs:** Anna Sala-Cunill, Spain
Coen Maas, The Netherlands

1142 **Efficacy of recombinant C1 inhibitor for laryngeal attacks of hereditary angioedema**
Riedl M.1, Cicardi M.2
1University of California, San Diego, Allergy and Immunology, San Diego, United States, 2University of Milan, Milan, Italy

1143 **Treatment of patients with hereditary angioedema with normal C1 inhibitor and F12 gene mutations**
Bork K.1, Witzke G.1, Wulf K.2, Hardt J.3
1Department of Dermatology, University Mainz, Mainz, Germany, 2Ernst Moritz Arndt University Greifswald, Germany, 3Department of Medical Psychology and Medical Sociology, University Mainz, Mainz, Germany

1144 **A new mutation in the SERPING1 gene in a brazilian family with hereditary angioedema**
da Silva J.1,2,3, Luz M.M.1, Monato E.F.1, Spindola M.A.1, Pereira J.G.1, Cagnoti N.4, Veronez C.L.2, Pesquero J.B.4
1Federal University of Santa Catarina, Núcleo de Avaliação de Reações do Tipo Alérgico a Drogas (Nartad), Florianópolis, Brazil, 2University of Southern Santa Catarina - Unisul, Post-Graduate Program in Health Sciences, Palhoça, Brazil, 3Federal University of Santa Catarina, Hospital Universitário Polydoro Ernani de São Thiago (HU/UFSC), Ambulatório de Alergia, Florianópolis, Brazil, 4Federal University of São Paulo - Escola Paulista de Medicina, Departamento de Biofísica / Centro de Pesquisa e Diagnóstico Molecular de Doenças Genéticas, São Paulo, Brazil

Interindividual variations in symptom expression and clinical course in monozygotic twins with Hereditary angioedema
Martinez-Saguer I.1, Gutowski Z.2, Kreuz W.2
1Haemophilia Centre Rhine Main, Pediatric, Mörfelden-Walldorf, Germany, 2Haemophilia Centre Rhine Main, Mörfelden-Walldorf, Germany

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Management of fertilisation and fertilisation associated problems in patients with hereditary angioedema
Rivero Pajaroni D.1, Cabañas R.1, Alveí A.1, Pedrosa M.1, Gómez- Traseira C.1, Caballero T.1,2,3
1Hospital Universitario La Paz, Madrid, Spain, 2Hospital Universitario La Paz Institute for Health Research (IdiPAZ), Madrid, Spain, 3Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER-U754), Madrid, Spain

Familial cases with hereditary angioedema type I (8 cases)
Ediger D.1, Ozdemir E.1, Kadiyte T.1
1Uludağ University Medical Faculty, Allergy and Pulmonology, Bursa, Turkey

Successful pregnancy outcome after treatment with icatibant and plasma-derived nanofiltered C1-inhibitor in a patient with hereditary angioedema
Parkas H.1, Tóth F.1, Kárpáti P.1, Köhalmi K.V.1, Veszeli N.1, Varja L.1
1Semmelweis University, 3rd Department of Internal Medicine, Budapest, Hungary, 2Semmelweis University, Department of Obstetrics and Gynecology, Budapest, Hungary, 3Szaabolcs-Szatmár-Bereg County Hospitals & University Teaching Hospital, Department of Obstetrics and Gynecology, Matészalka, Hungary

Case report: acute myocardial infarction due to severe angioedema
Puente YM1, Daza J.C.1, Gentil A.2, Monteserín F.J.1
1Hospital Universitario Virgen Macarena, Seville, Spain, 2Hospital Universitario Virgen Macarena, Endocrinología, Seville, Spain, 3Universidad de Sevilla, Medicine, Seville, Spain

Treatment with icatibant in hereditary angioedema with normal C1 inhibitor without F12 gene mutations
Bork K.1, Wulf K.2, Hardt J.3
1Department of Dermatology, University Mainz, Mainz, Germany, 2Ernst Moritz Arndt University, Greifswald, Germany, 3Department of Medical Psychology and Medical Sociology, University Mainz, Mainz, Germany

Angioedema after caesarean delivery in a patient with hereditary angioedema with normal C1 inhibitor and p.Thr309Lys mutation in the F12 gene. Is it always bradykinin mediated?
Gómez-Traseira C.1, Pedrosa M.1, Cabañas R.1, Caballero T.2
1Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER-U754), Madrid, Spain

Angioedema due to acquired C1-inhibitor deficiency: a report of two cases
Baiza M.1,2, Seoane M.1, Caralli M.E.1,2, Micozzi S.1, Roa D.1, Pelta R.1, Pietro A.1
1Hospital General Universitario Gregorio Marañón, Allergy, Madrid, Spain

A troublesome treatment in a patient with acquired C1-inhibitor deficiency
Marinngueli L.1, Tontini C.1, Sielli M.C.1, Cognigni M.1, Marchionni A.1, Zoli A.1
1Università Politecnica delle Marche, Servizio di Immunologia Clinica e Tipizzazione Tissutale, Ancona, Italy, 2Ospedali Riuniti Ancona, Servizio di Immunologia Clinica e Tipizzazione Tissutale, Ancona, Italy

Hereditary angioedema type 3: a case report
Martins M.1, Reis R.1, Tomaz E.1, Inácio F.1
1Hospital São Bernardo, Imunoallergology, Setúbal, Portugal

Family genetic study of hereditary angioedema with F12 mutation
Cañada Peña CL.1, Piñedo Saavedra M.2, Saenz de San Pedro Moerera B.1, Anguita Carazo J.L.1, Aicántara Villar M.1
1Complejo Hospitalario de Jaen, Allergy Unit, Jaen, Spain, 2Virgen del Rocio Hospital, Allergy Service, Seville, Spain

Familial cases with hereditary angioedema type II: first report of the Iraqi refugees
Ozdemir E.1, Karabiber E.1, Karakaya G.1, Kalyoncu A.F.1
1Hacettepe University School of Medicine, Allergy and Immunology Department, Ankara, Turkey

A case hereditary angioedema concomitant chronic urticaria
Ediger D.1, Kadiyte T.1, Ozdemir E.1
1Uludağ University Medical Faculty, Allergy and Pulmonology, Bursa, Turkey

Thyroiditis diagnosis and exacerbates attacks of hereditary angioedema with factor XII mutation
Djououhat K.1, Gachi M.1, Ghantaxouat M.3, Messaoudi H.3
1Rouba Hospital, Faculty of Medicine, Medical Biology, Algiers, Algeria, 2Rouba Hospital, Faculty of Medicine, Algiers, Algeria, 3Mustapha Hospital, Algiers, Algeria

Effect of tobacco smoking on the prevalence of nickel sensitisation among Tunisian contact dermatitis patients
Boughattas W.1, El Maalel O.1, Brahem A.1, Dhana Y.1, Maoua M.1, Bouhlal M.1, Gaddour A.1, Kalboussi H.1, Chatti S.2, Debbabi F.1, Mrizak N.2
1Unité de Dermato-allergologie Professionnelle, Farhat Hached University Hospital, Sousse, Tunisia, 2Faculty of Medicine of Sousse. Sousse, Tunisia, 3Faculty of Medicine of Sousse, sousse, Tunisia

Allergic contact dermatitis associated with topical minoxidil: a case report
Yildirim E.1, Baccioquio A.1, Kalpaklioglu A.F.1
1Kirikkale University Faculty of Medicine, Department of Immunology and Allergic Diseases, Kirikkale, Turkey
1161 When a hobby gets inconvenient: a beekeeper’s case report
Tudose A.M.1, 2, Albert H.1, Dumitrescu N.V.1, Cretu I.D.1
1 Nicolae Malaxa Clinical Hospital, Allergology and Clinical Immunology, Bucharest, Romania, 2 Carol Davila University of Medicine and Pharmacy, Allergology, Bucharest, Romania

1162 Allergic hypersensitivity to pacemaker components: a new cause of contact dermatitis?
Pestana L.1, Mendes A.1, Marques P.2, Pereira-Barbosa M.1
1 Centro Hospitalar Lisboa Norte/Hospital Santa Maria, Allergy and Clinical Immunology Department, Lisbon, Portugal, Centro Hospitalar Lisboa Norte/Hospital Santa Maria, Cardiology Department, Lisbon, Portugal

1163 Black henna tattoo (Para-phenylendiamine): an extreme sensitizer
Ruiz León B.1, Moreno Mata E.1, Burgos Montero A.M.1, Candón Morillo R.1, González Sánchez L.A.2
1 La Mancha Centro Hospital, Allergy Department, Alcazar de San Juan, Spain

1163A Allergy to the sap of the fig tree
Abdelaziz R.1, 2, Candon Morillo R.1, Ruiz Leon B.1, González Sánchez L.A.2
1 Universidad de Elda, Servicio de Análisis Clínicos, Elda, Spain, Anatomía Patológica, Elda, Spain, 2 Centro Hospitalar Lisboa Norte/Hospital Santa Maria, Allergy and Clinical Immunology Department, Lisbon, Portugal, Centro Hospitalar Lisboa Norte/Hospital Santa Maria, Cardiology Department, Lisbon, Portugal

1164 Photosensitivity al piroxicam in a patient with allergic contact dermatitis of secondary to thiosalicylic thimerosal
Molina Macip M.1, García Cruz M.d.I.L.H.1, Ramírez Jiménez F.1, Sánchez de la Vega Reynoso P.1, Ruiz Morales R.D.1, Pérez Estrella Z.1, Camacho Ordóñez N.1, Terán L.M.1
1 National Institute of Respiratory Diseases ‘Ismael Cosio Villegas’, Allergy & Immunology, Mexico City, Mexico

1165 cocamidopropylbetaine contact allergy: a case report
Burgos Montero A.M.1, Candón Morillo R.1, González Sanchez L.A.1, Moreno Mata E.1, Ruiz Leon B.1, Espadañor B.2
1 Hospital Mancha Centro, Allergy, Alcazar de San Juan, Spain, 2 Hospital Mancha Centro, Dermatology, Alcazar de San Juan, Spain

1166 Hidden exposure to rubber additives in a silicon breast implant caused allergic contact dermatitis
Ferrer Franco A.1, Sanchez Gavino J.A.2, Lopez Martinez M.J.1
1 Hospital General de Almansa, SESCAM, Allergology, Almansa, Spain, 2 Hospital General de Almansa, SESCAM, Dermatology, Almansa, Spain

1167 Dermatitis during in vitro fertilisation treatment
Candón Morillo R.1, Burgos Montero A.M.1, Moreno Mata E.1, Ruiz León B.1, González Sanchez L.A.1
1 Hospital Mancha Centro, Allergology, Alcazar de San Juan, Spain

1168 Hypersensitivity to human seminal plasma: clinical and histopathological features in a multipara woman
Jover Cerdá Y.1, Rodríguez Pacheco P.1, Doménech Witek J.1, Durán García R.2, García Teruel M.J.3, Santés García J.4, Bartolomé Zabala B.3
1 Hospital General Universitario de Elda, Sección de Alergología, Elda, Spain, 2 Hospital General Universitario de Elda, Servicio de Anatomía Patológica, Elda, Spain, 3 Hospital General Universitario de Elda, Servicio de Ginecología, Elda, Spain, 4 Hospital General Universitario de Elda, Servicio de Aislamiento Clínicos, Elda, Spain, 5 Bial-Aristegui, R&D Departamento, Bilbao, Spain

1169 Localised salt-dependent aquagenic urticaria: a rare subtype of urticaria – a case report
Weira L.M.1, Lopes I.1, Guillerme A.1, Rosmaninho I.1, Moreira da Silva J.P.1
1 Servicio de Imunología, Centro Hospitalar de Vila Nova de Gaia/Esposinho, Vila Nova de Gaia, Portugal

1170 Ice – induced peri-oral oedema
Genova S.1
1 UHATEM “NI Pirogov”, Allergology, Sofia, Bulgaria

1171 Urterial vasculitis induced by OTC diet pills. A case report
Cherrez I.1, 2, Calderon J.C.2, Loayza E.2, Greiling L.2, Cherrez A.2, Adum F.2
1 Universidad de Especialidades Espiritu Santo, School of Medicine, Samborondón, Ecuador, 2 Respiralab, Guayaquil, Ecuador, Centro Dermatológico Loayza, Guayaquil, Ecuador, Instituto Argentino de Alergia e Immunología, Buenos Aires, Argentina

1172 Nickel intolerance with facial recurrent urticaria and angioedema
Bibani A.1, Loloçi G.2, Nikola I.3, Xhaaho I.4
1 “At Luigi Monti” Policlinic, “Our Lady of Good Counsel” University, Allergy and Clinical Immunology, Tirana, Albania, 2 “Mother Theresa” School of Medicine, Allergy and Clinical Immunology, Tirana, Albania, Regional Hospital, Allergy and Clinical Immunology, Saranda, Albania, 3 “At Luigi Monti” Policlinic, “Our Lady of Good Counsel” University, Dentistry, Tirana, Albania

1173 Chronic spontaneous urticaria and autoimmunity: experience of a single center
Al-Ahmad M.1, Arifhodzic N.2, Al-Enizi A.2
1 Kuwait University, Faculty of Medicine, Microbiology Department, Kuwait, Kuwait, 2 Al-Rashed Allergy Center, Allergy Department, Kuwait, Kuwait

1174 Immunological disorders in acute urticaria in children
Maltsev S.1, Sizyakina L.2, Lebedenko A.1, Kalashnikova T.2
1 Rostov State Medical University, Department of Pediatrics №2, Rostov-on-Don, Russian Federation, 2 Rostov State Medical University, Department of Clinical Immunology and Allergology, Rostov-on-Don, Russian Federation

1175 Malignant angioedema?
Gomes R.1, Loureiro C.1, Pita J.1, Ribeiro F.2, Todo-Born A.1
1 Comibra University Hospital Centre, Immunology, Allergology, Coimbra, Portugal, Centro Hospitalar do Algarve, Immunology, Faro, Portugal

1176 Gastric carcinoid tumor as a cause of chronic urticaria
Cherrez I.1, 2, Plaza K.J.1, Calderon J.C.2, Cherrez A.2
1 Universidad de Especialidades Espiritu Santo, Guayaquil, Ecuador, 2 Respiralab, Guayaquil, Ecuador

1177 Latex allergy – a challenge
Pita J.1, Loureiro C.1, Gomes R.1, Bartolome B.2, Todo-Born A.1
1 Comibra University Hospital Centre, Allergy and clinical immunology, Coimbra, Portugal, 2 R&D Department, Bial-Aristegui, Bilbao, Spain
Poster Session (TPS 35) - Urticaria, contact dermatitis and other skin diseases

Chair: Riccardo Asero, Italy

1178 Use of omalizumab in the treatment of chronic urticaria
Moreira A.1, Rosmaninho I.2, Guilherme A.2, Ferreira J.2, Moreira Silva J.2
1Centro Hospitalar Vila Nova de Gaia e Espinho, EPE, Immunology, Vila Nova Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Vila Nova Gaia, Portugal

1179 Findings in pediatric patients with suspected inducible urticaria
Gonzalez-Uribe V.1, Pozo C.F.1, Del Rio-Navarro B.1, Navarrete-Rodriguez E.M.1
1Hospital Infantil de Mexico Federico Gomez, Pediatric Allergy & Clinical Immunology, Mexico City, Mexico

1179A The efficacy of low-sedating antihistamines in Kuwaiti patients with chronic spontaneous urticaria
Al-Enazi A.1, Alrhodian N.1, Al-Ahmad M.1
1Ministry of Health, Allergy Center, Kuwait, Kuwait

1180 Inducible urticaria. An etiology pediatric population study
Pérez Avilés H.D.1, Pozo Beltran C.F.1, Navarrete Rodriguez E.M.3, Del Rio B.E.1
1Hospital Infantil de Mexico Federico Gomez, Allergy and Immunology, Mexico City, Mexico

1180A Evaluating the severity in chronic spontaneous urticaria patients treated with rupatadine by means of a recent categorized health states classification of urticaria activity score
Giralt J.1, Uzcátegui L.1, Santamaria E.1, Maurer M.2, Gimenez Arna A.3
1J Uriach & Co, SA, Clinical Research; R&D, Palau-solità i Plegamans (Barcelona), Spain, 2Charité Medical University, Dermatology and Allergy, Berlin, Germany, 3Hospital del Mar Medical Research Institute (IMIM), Dermatology, Barcelona, Spain

1181 Chronic Spontaneous Urticaria and omalizumab: the need for personalised treatment
Mansard C.1, Dr Boccon-Gibod I.1, Pr Bouillet L.1
1CHU Grenoble, Médecine Interne, Grenoble, France

1182 Bullous localised reaction after orthopedic surgery
Chiarella-Privette G.M.1, Gonzalo-Garrio MA.1, Pérez-Calderón R.1, Mahecha A.C.1, Zambonino M.Á.1, Roncero R.2, García M.3
1Infanta Cristina University Hospital, Allergology, Badajoz, Spain, 2Pueblo Nuevo del Guadalupe Health Center, Badajoz, Spain, 3Infanta Cristina University Hospital, Dermatology, Badajoz, Spain

1183 Allergy thiosulfate gold: a case report
Mendóza Parra A.1, Montero A.1, de Vicente T.1, Fonseca J.1, Mateo J.M.1, de Mateo M.B.1, Nuñez M.A.1
1Hospital Central de la Defensa, Madrid, Spain

1184 Chronic abdominal pain and skin contact dermatitis induced by intrauterine device for 5 years
Wang X.1, Wang X.Y.1
1Beijing Shijitan Hospital, Allergy, Beijing, China

1184A Anaphylaxis to hair dye: a case report
Pescosolido E.1, Gonzalez-Gutierrez M.L.1, Larco-Rojas X.E.1, Perez-Sanchez N.1, Esponda-Juarez K.1, Pastor-Vargas C.2, Fernandez-Rivas M.1
1Hospital Clínico San Carlos, Allergy, Madrid, Spain, 2Fundación Jimenez Díaz, Immunology, Madrid, Spain

1185 Schnitzler’s syndrome: allergy department case report
Garcia Ponce J.E.1, Porcel Carreño S.L.1, Magthour Martin Y.1, Alvarado M.1, Ahmad T.1, Jiménez Timón S.1, Hernández Arbeiza F.J.1
1Hospital Nuestra Señora de la Montaña/Complejo Hospitalario de Cáceres, Cáceres, Spain

1186 Aseptic loosening in a total knee arthroplasty due to bone cement sensitisation
Basiré R.1, Vega P.1, Belver M.T.1, Múgica M.V.1, Ramos T.1, Blanco C.1
1Hospital Universitario de la Princesa, Allergy, Madrid, Spain

Poster Session (TPS 36) - Food allergy: anaphylaxis

Chairs: Olga Luengo, Spain
Graham Roberts, United Kingdom

1187 Triggers and patterns of sensitisation among adolescents with acute reactions to foods
Vérandier M.1,2, Protudjer J.L.P.1, Lilj J.G.3,4, Kull I.1,2,4, Hedlin G.2,9, van Hage M.1,2, Ostblom E.1,4, Bergström A.1,2, Wickman M.1,2,3
1Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden, 2Centre for Allergy Research, Karolinska Institutet, Stockholm, Sweden, 3Sachs Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden, 4Department of Clinical Science and Education, Södersjukhuset, Karolinska Institutet, Stockholm, Sweden, 5Astrid Lindgren Children’s Hospital, Karolinska University Hospital, Stockholm, Sweden, 6Department of Women’s and Children’s Health, Karolinska Institutet, Stockholm, Sweden, 7Clinical Immunology and Allergy Unit, Department of Medicine Solna, Karolinska Institutet and University Hospital, Stockholm, Sweden

1188 Changes and trends in severe reactions to food reported to the Norwegian Food Allergy Register from 2000 to 2015
Nanmark E.1, Stensby B.A.1, Levik M.2
1Norwegian Institute of Public Health, Dept of Food, Water and Cosmetics, Oslo, Norway, 2Norwegian University of Technology and Sciences, Trondheim, Norway

1190 Nationwide incidence of anaphylaxis in Korea: an administrative database study
Yano M.S.1, Kim J.Y.1, Kim B.-K.1, Kang M.-G.1, Chang Y.-S.4, Chang S.-H.1, Cho S.-H.1, Min K.-U.1, Kang H.-R.1
1SMG-SNU Borame Medical Center, Seoul, Republic of Korea, 2Seoul National University College of Medicine, Department of Internal Medicine, Seoul, Republic of Korea, 3Chungbuk National University College of Medicine, Internal Medicine, Cheongju, S.-I.
1191 Characteristics of food-related anaphylaxis in adult: a single center experience
KIM C.1,2, IM J.-H.1, Kwon H.Y.2
1Inha University School of Medicine, Department of Internal Medicine, Incheon, Republic of Korea, 2Inha University Hospital, Incheon, Republic of Korea

1192 Evaluation of the ability to use a self-administered epinephrine injector
Puente V.1, Daza J.C.1, Monteserin F.J.2
1Hospital Universitario Virgen Macarena, Allergy, Seville, Spain, 2Universidad de Sevilla, Medicine, Seville, Spain

1193 Knowledge about anaphylaxis treatment
Montoro de Francisco A.M.1,2, De Vicente Jiménez T.M.1, Aparicio Hernández R.M.1, Toral Revuelta J.R.1, Mateos Galván J.M.1, Chivato Pérez T.1, Álvarez Montoro A.1,2
1Hospital Central de la Defensa, IMIDEF, Allergy, Madrid, Spain, 2Hospital Central de la Defensa, IMIDEF, Clinic Pharmacology, Madrid, Spain, 3Hospital Central de la Defensa, IMIDEF, Internal Medicine, Madrid, Spain, 4San Pablo University, Madrid, Spain, 5Complutense University of Madrid, Modern Languages and theirs literatures, Madrid, Spain

1194 Food anaphylaxis to quorn meat free steak in a mould sensitised child
Moret-Codreanu E.1, Graf T.2, Hilger C.2, Ollert M.2, Hentges F.2, Morisset M.1, Kuehn A.2
1Centre Hospitalier de Luxembourg, Immuno-Allergology, Luxembourg, Luxembourg, 2Luxembourg Institute of Health, Infection and Immunity, Laboratory of Immunogenetics and Allergology, Luxembourg, Luxembourg

1195 Red meat allergy and gelatine sensitisation
Lombardero Vega M.1,2, Sancho Calatrava E.2,3
1Santa Bárbara Hospital, Allergy Unit, Puertollano, Spain, 2Santa Bárbara Hospital, Surgery Department, Puertollano, Spain, 3All-Abello Laboratories, I+D Department, Madrid, Spain

1196 Recurrent anaphylaxis in an 18-year old – a case of alpha-gal allergy
Baczko A.1,2, Ollert M.2, Biedermann T.1, Darsow U.1
1Department of Dermatology and Allergy Biederstein, TU Munich, Munich, Germany, 2Centre de Recherche Public de la Santé (CRP-Santé), Luxembourg, Luxembourg

1197 Food anaphylaxis associated with thaumatin-like proteins
Marcelino J.L.A.1, Silva P.1, Santos M.C.1, Costa A.C.1, Pereira-Barbosa M.A.1
1Hospital de Santa Maria, CHLN, E.P.E., Immunoclasserology Department, Lisbon, Portugal

1198 Exercise-induced anaphylaxis to red wine
Genova S.1
1UHATEM ‘N.I.Pirogov’, Allergy, Sofia, Bulgaria

1199 Delayed anaphylaxis and urticaria to red meat in a patient from Southern Romania after multiple tick bites
Popescu F.-D.1,2, Vieru M.1,2
1‘Carol Davila’ University of Medicine and Pharmacy, Allergology, Bucharest, Romania, 2Hospital ‘Nicolae Malaxa’, Allergology and Clinical Immunology, Bucharest, Romania

1200 Anaphylaxis due to sesame seed food allergy with negative skin prick tests: the hydrophilic fraction also matters
D’Amello C.M.1,2, Pineda F.1,2, Vegna G.1, Bernad A.1,2, Gastaminza G.1,2, Goikoetxea M.J.1,2, Sanz M.L.1,2, Ferrer M.1,2
1Clínica Universidade de Navarra, Pamplona, Spain, 2Laboratorios Dieter, Madrid, Spain, 3Clínica Universidade de Navarra, Allergy and Clinical Immunology, Pamplona, Spain

1201 Allergy to rabbit meat
Joral A.1, Geada M.2, Lasa E.1, Lizarza S.1, Plaza N.3, Aranzabal A.3, Navarro J.A.1
1Hospital Universitario Donostia, Allergy, San Sebastian, Spain, 2Merk SL, Tres Cantos, Spain, 3Hospital de Zumarraga, Allergy, Zumarraga, Spain

1202 Anaphylaxis to wine in LTP-sensitised young adults with seasonal allergic rhinitis
Wienet J.1, Duc J.1, Buss G.1, Spertini F.1, Ribi C.1
1CHUV, Immunology and Allergy, Lausanne, Switzerland

1203 Anaphylaxis induced by pink cusk eel fish (Genypterus blacodes) and oral allergy syndrome with megrim fish (Lepidorhombus whiffiagonis)
Palao-Ocharan P.1,2, Prieto N.1,2, Pagola M.J.1, López-Serrano M.C.1, Caballero M.L.1,2, Cabahás R.1,2, Quirce S.1,2, Caballero T.1,2,3
1Hospital Universitario La Paz, Allergy, Madrid, Spain, 2Hospital Universitario Severo Ochoa, Madrid, Spain, 3Hospital La Paz Research Institute (IdiPAZ), Madrid, Spain

1204 Two children with rare food allergies: anaphylaxis with pumpkin seed and poppy seed
Yavuz S.T.1,2, Gungor A.2, Kaya G.2, Gulec M.2, Gok F.2
1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey, 2GATA School of Medicine, Department of Pediatrics, Ankara, Turkey, 3GATA School of Medicine, Department of Adult Allergy and Immunology, Ankara, Turkey

1205 Allergy to mammalian albumins: a case report
Alvarez-Puebla M.J.1,2, Olaguibel J.M.1,2, Lizaro M.T.1,2, Anda M.1,2, Arroabarren E.1,2, Pereira J.1
1Complejo Hospitalario de Navarra, Allergy, Pamplona, Spain, 2CIBERES, Pamplona, Spain
1206 Electrocardiographic changes during acute peanut allergic reactions in adults
Ruíz García M.1,2, Hayward C.3, Simm M.3, Clark A.4,5, Wilson E.1,2, Skypala J.1, Durham S.R.1,2, Lyon A.2, Turner P.J.1,2, Boyle R.J.1,2
1Section of Paediatric Allergy and Clinical Immunology, Imperial College, London, United Kingdom, 2MRC & Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom

1207 Characterisation of the allergic T-cell response to Dau c 1, the Bet v 1 homologous protein in carrot
Zulechner N.1
1Medical University of Vienna / Center for Pathobiology, Infectiology and Immunology, Department of Pathobiology and Allergy Research, Vienna, Austria

1208 In silico prediction of B cell epitopes and HLA-DRB1 restricted CD4+ T cell epitopes of wheat major allergen omega-5 gliadin
Jiang N.1, Yin J.2
1Peking Union Medical College Hospital, Beijing, China, 2Peking Union Medical College Hospital, Allergy, Beijing, China

1209 N-glycosylation and plant food allergy, Act d 2 as a model
Cubells-Baeza N.1, Garrido-Arasenda M.1, F. Pacios L.2, Diaz-Perales A.1
1CBGP (UPM), Pozuelo de Alarcón, Madrid, Spain, 2ETS Montes (UPM), Madrid, Spain

1210 Epitope mapping the peanut panallergen Ara h 8
Hurlbert B.1, Cheng H.1, Offermann L.2, Chruszcz M.1, Santos A.3, Lack G.1, Maleki S.1
1US Department of Agriculture, Agricultural Research Service, Southern Regional Research Center, New Orleans, United States, 2University of South Carolina, Chemistry and Biochemistry, Columbia, United States, 3King’s College London, Pediatric Allergy, London, United Kingdom

1211 Engineering hypoallergenic variants of the peanut allergens Ara h 2 and Ara h 6
Eiwegger T.1, Bublin M.2, Schmidthaler K.1, Konstadinova M.2, Radauer C.2, Hafner C.1, Szépfalusi Z.1, Varga E.M.4, Breiteneder H.2
1Medical University of Vienna, Department of Pediatrics, Vienna, Austria, 2Medical University of Vienna / Center for Pathobiology, Infectiology and Immunology, Vienna, Austria, 3Karl Landsteiner Institute for Dermatological Research, St. Poelten, Austria, 4Medical University Graz, Department of Paediatrics, Respiratory and Allergic Disease Division, Vienna, Austria

1212 Role of heat processing in the sensitisation potency of the major peanut allergen Ara h 6
Guillon B.1, Bernard H.1, Hazebrouck S.1, Drumure M.-F.1, Adel-Patient K.1
1INRA, AlimH/UJIAA496, Gif sur Yvette, France

1213 The impact of processing and matrix on the antibody level, specificity and avidity raised against the peanut allergen Ara h 1
Jensen L.H.1,2, Madsen C.B.1, Kroghsbo S.1, Rigby NM.2, Pozdnyakova I.1, Mills E.N.C.2, Bech K.L.1
1Technical University of Denmark, National Food Institute, Seborg, Denmark, 2Institute of Food Research, Food and Health, Norwich, United Kingdom, 3University of Copenhagen, NNF Center for Protein Research, Copenhagen, Denmark

1214 Inter-laboratory optimisation of protein extraction method for the assessment of rice endogenous allergens
1National Institute of Health Sciences, Tokyo, Japan, 2National Food Research Institute, Ibaraki, Japan, 3University of Nevada Reno, Nevada Proteomics Center, Reno, United States, 4University of Nevada Reno, Department of Biochemistry, Fander Hall Buffalo, United States, 5Donald Danforth Plant Science Center, Proteomics & Mass Spectrometry Facility, Saint Louis, United States, 6Bayer S.A.S., Bayer CropScience, Sophia Antipolis, France, 7Dow AgroSciences, Indianapolis, United States, 8Pioneer Hi-Bred, DuPont Agricultural Biotechnology, Wilmington, United States, 9Syngenta Crop Protection, Research Triangle Park, United States, 10Statens Serum Institut, Department of Epidemiology Research, Copenhagen, Denmark, 11Monsanto Co, St. Louis, United States, 12ILSI Health and Environmental Sciences Institute (HESI), Washington, United States

1215 Cortisol complexed with iron binds into the molecular pocket of the lipocalin-allergen Bos d 5
Roth-Walter F.1, Müller H.1, Pacios L.F.2, Hofstetter G.1, Bianchini R.1, Hufnagl K.1, Gotovina J.1, Jensen-Jarolím E.1,3
1University of Veterinary Medicine Vienna, Messerli Research Institute, Comparative Medicine, Vienna, Austria, 2Technical University of Madrid, Biotechnology Department, Madrid, Spain, 3Medical University of Vienna, Comparative Immunology and Oncology, Department of Pathophysiology and Allergy Research, Vienna, Austria

1216 Study of the structure of sensibilisation to proteins PR-10, profilins and LTP in patients with pollen tree sensibilisation and food allergy
Zabolodyh D.1, Gogunska I.2, Zabolotna D.1, Naumova Q.1, 1State Institution ‘Institute of Otorhinolaryngology named after O.S. Kolomychko’, Center of Allergic Diseases of Upper Respiratory Ways, Kiev, Ukraine
1217 Molecular & immunological characterisation of three hypoallergenic variants developed for rice chitinase allergen
Mishra A., Gaur S.N., Arora N.
1CSIR - Institute of Genomics and Integrative Biology, Allergy and Immunology Section, Delhi, India, 2Vallabhbhai Patel Chest Institute, Pulmonary Medicine, Delhi, India

1218 One allergen is not enough – RNAi-based down regulation of multiple allergens in tomato plants
Paulus K.E., Mahler V., Sonnewald U.
1FAU Erlangen-Nuremberg, Department of Biology, Erlangen, Germany, 2University Hospital Erlangen, Department of Dermatology, Erlangen, Germany

1219 LPS promotes the generation to Pru p 3 anaphylactic mouse model
1IBIMA, Málaga, Spain, 2UPM-INIA, Center for Plant Biotechnology and Genomic, Madrid, Spain, 3IBIMA, Regional University Hospital of Málaga, UMA, Allergy Unit, Málaga, Spain, 4IBIMA, Regional University Hospital of Málaga, Allergy Unit, Málaga, Spain, 5Instituto de Investigaciones Químicas (IIQ), CSIC, Universidad de Sevilla, Glycosystemsl Laboratory, Sevilla, Spain

1220 Synergistic effects of a dietary mixture containing pre-and probiotics on food allergy symptoms in mice
1Utrecht University, Faculty of Science, IUPS, Pharmacology, Utrecht, The Netherlands, 2Nutricia Research, Utrecht, The Netherlands, 3Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands

1221 A preclinical model of food allergy: comparison of peanut doses and sensitisation frequency in the mouse
Gorneau S.A., Barrais L.J., Castagné V.
1Porsolt, Laval Research Center, Le Genest-Saint-Isle, France, 2Porsolt, Le Genest-Saint-Isle, France

1222 Sensitisation and anaphylactic capacity of the main egg-white allergens in a mouse model
Palacios-Tanarro A., López-Fandíño R., Molina E.
1Instituto de Investigación en Ciencias de la Alimentación (CIAL, CSIC-UAM), Madrid, Spain

1223 Oral exposure to nitrated food protein β-lactoglobulin is associated with an enhanced anaphylactic response in a food allergy mouse model
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Salzburg University of Applied Sciences, Biomedical Sciences, Puch/Salzburg, Austria, 3University of Veterinary Medicine Vienna, Comparative Medicine, Messerli Research Institute, Vienna, Austria, 4University of Salzburg, Department of Molecular Biology, Salzburg, Austria

1224 Development of two Brown Norway rat models for the assessment of primary prevention and desensitising capacity of cow’s milk based hydrolysates
1Technical University of Denmark, National Food Institute, Seborg, Denmark, 2Arla Foods Ingredients, Viby, Denmark

Poster Session (TPS 38) - Treatment of rhinoconjunctivitis
Chair: Teresa Dordal Culla, Spain

1225 MP29-O2* provides effective AR symptom control in real life regardless of number of previous clinic visits: results from Germany
Wahn U., Bachert C., Virchow J.C., Möges R., Kuhi H.C.
1Charité Medical University, Dept of Paediatric Pulmonology & Immunology, Berlin, Germany, 2Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium, 3University of Rostock, Department of Pneumology/Intensive Care Medicine, Rostock, Germany, 4University of Cologne, Institute of Medical Statistics, Informatics and Epidemiology Medical Faculty, Cologne, Germany, 5Meda, Department of Biometrics, Bad Homburg, Germany, 6Center for Rhinology and Allergology, Wiesbaden, Germany

1226 Type of patient who received the new AR treatment, MP29-O2*, in routine clinical practice: results from Germany, Sweden, Norway, Denmark, UK and Romania
Klimek L., Stjärne P., Dohler R., Steinsvåg S., Haahr P., Kuhi H.C., Scadding G.
1Center for Rhinology and Allergology, Wiesbaden, Germany, 2Karolinska Institutet, Department of Clinical Science, Stockholm, Sweden, 3Oslo University Hospital-Rikshospitalet, Dept of Otorhinolaryngology, Oslo, Norway, 4Sartlandet Hospital, Dept of Otorhinolaryngology, Kristiansand, Norway, 5Specialist Centre, Vejle, Denmark, 6Meda, Department of Biometrics, Bad Homburg, Germany, 7The Royal National Throat Nose & Ear Hospital, London, United Kingdom

1228 MP29-O2* provides a rapid clinically-meaningful response for moderate/severe seasonal allergic rhinitis patients: a meta-analysis
Mullol J., Bachert C., Price D., Scadding G., Kuhi H.C., Bousquet J.
1IDIBAPS, CIBERES, Barcelona, Spain, 2Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium, 3University of Aberdeen, Academic Primary Care, Aberdeen, United Kingdom, 4The Royal National Throat Nose & Ear Hospital, London, United Kingdom, 5Meda, Department of Biometrics, Bad Homburg, Germany, 6University Hospital of Montpellier, MACVIA-LR, EIP on Active & Healthy Ageing Reference Site, Montpellier, France
Identification of gaps in the current allergic rhinitis guidelines and how these can be filled
Bousquet J.1, Bachert C.2, Mullol J.3, Price D.4, Fokkens W.5, Hellings P.6, Papadopoulos N.7, Antonelli M.8
1University Hospital of Montpellier, MACVIA-LR, EIP on Active & Healthy Ageing Reference Site, Montpellier, France, 2Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium, 3IBIBAPS, CIBERES, Barcelona, Spain, 4University of Aberdeen, Academic Primary Care, Aberdeen, United Kingdom, 5Academic Medical Center, Dept of Otorhinolaryngology, Amsterdam, The Netherlands, 6University Hospitals Leuven, Dept of Otorhinolaryngology, Head & Neck Surgery, Leuven, Belgium, 7University of Athens, Allergy Department, Athens, Greece, 8Padua General University Hospital, Dept of Mother & Child Health, Padua, Italy

Real-life effectiveness of a new allergic rhinitis therapy (MP29-02*) in Denmark
Haahr P.1, Jacobsen C.2, Blecqaud S.3, Kuhl H.C.4, Christensen M.5
1Specialist Centre, Vejle, Denmark, 2Specialist Centre, Hjørring, Denmark, 3Specialist Centre, Aarhus, Denmark, 4Meda, Department of Biometrics, Bad Homburg, Germany, 5Taastrup Stationscenter, Tåstrup, Denmark

Health-care costs of asthma are lower using MP29-02* vs. sequential sprays for allergic rhinitis
Harrow B.1, Sedaghat A.R.2,3, Munzel U.4, Tari A.5, Gever L.6, Hofmeister J.5, Dufour R.7
1Meda, Health Economics and Outcomes Research, Somerset, United States, 2Massachusetts Eye and Ear Infirmary, Dept of Otolaryngology, Boston, United States, 3Harvard Medical School, Dept of Otology & Laryngology, Boston, United States, 4Meda, Corporate Clinical Affairs, Bad Homburg, Germany, 5Meda, Comprehensive Health Insights, Inc., Louisville, United States, 6Meda, Somerset, United States

Quantification of the distribution of a new allergic rhinitis nasal spray (MP29-02*) in an anatomical model of the human nasal cavity
D’Addio A.1, Karafillis J.L.2, Ruiz N.2, Michael M.3, Melzer E.4
1Meda, Scientific & Analytical Affairs, Somerset, United States, 2Meda, Medical & Scientific Affairs, Somerset, United States, 3Next Breath LLC, Baltimore, United States, 4Allergy & Asthma Medical Group & Research Center, San Diego, United States

MP29-02* provides effective AR symptom control in real life in patients previously treated with, or currently receiving immunotherapy: results from Germany
Mosopou R.1, Klimek L.1, Virchow J.C.2, Wahn U.3, Kuhl H.C.4, Bachert C.5
1University of Cologne, Institute of Medical Statistics, Informatics and Epidemiology Medical Faculty, Cologne, Germany, 2Center for Rhinology and Allergology, Wiesbaden, Germany, 3University of Rostock, Department of Pneumology/Intensive Care Medicine, Rostock, Germany, 4Charite Medical University, Dept of Paediatric Pulmonology & Immunology, Berlin, Germany, 5Meda, Department of Biometrics, Bad Homburg, Germany

Olfactory function is improved by MP29-02* in patients with persistent allergic rhinitis
Klimek L.1, Sperl A.1, Spielhaupeter M.1, Bardenhewer C.1
1Centre for Rhinology and Allergology, Wiesbaden, Germany

Real-life effectiveness of a new allergic rhinitis therapy (MP29-02*) in Norway
Dolnier R.1, Larsen P.L.2, Dheyauleen S.3, Kuhl H.C.4, Steinsvåg S.5
1Oslo University Hospital-Rikshospitalet, Dept of Otorhinolaryngology, Oslo, Norway, 2Barum Bre Nese Halsklinik, Bærum, Norway, 3Oslo University Hospital-Rikshospitalet, ENT Department, Oslo, Norway, 4Meda, Biometrics, Bad Homburg, Germany, 5Sarlandet Hospital, Dept of Otorhinolaryngology, Kristiansand, Norway

Real-life effectiveness of a new allergic rhinitis therapy (MP29-02*) in Sweden
Stjärne P.1, Strand V.2, Theman K.3, Kuhl H.C.4, Ennhaage A.1
1Karolinska Institutet, Department of Clinical Science, Stockholm, Sweden, 2Astma och Allergimottagningen, Stockholm, Sweden, 3Astma och Allergimottagningen, Göteborg, Sweden, 4Meda, Department of Biometrics, Bad Homburg, Germany
1240 **MP29-02**'s advanced delivery system contributes to its efficacy in patients with moderate/severe seasonal allergic rhinitis

Bachert C.1, Canonica G.W.2, Mullol J.3, Price D.4, Hellings P.5, Scadding G.6, Munzel U.7, Bouzqert J.8
1 Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium, 2 University of Genoa, IRCSS AOU, Genoa, Italy, 3 IDIBAPS, CIBERES, Barcelona, Spain, 4 University of Aberdeen, Academic Primary Care, Aberdeen, United Kingdom, 5 University Hospitals Leuven, Dept of Otorhino-laryngology, Head & Neck Surgery, Leuven, Belgium, 6 The Royal National Throat Nose & Ear Hospital, London, United Kingdom, 7 Meda, Corporate Clinical Affairs, Bad Homburg, Germany, 8 University Hospital of Montpellier, MACVIA-LR, EIP on Active & Healthy Ageing Reference Site, Montpellier, France

1241 **MP29-02** provides effective AR symptom control in real life in all patient types regardless of predominant nasal symptom or presence of ocular symptoms: results from Germany

Bachert C.1, Möges R.2, Virchow J.C.3, Wahn U.4, Kuhl H.C.5, Klimek L.6
1 Ghent University Hospital, Dept of Oto-Rhino-Laryngology, Ghent, Belgium, 2 University of Cologne, Institute of Medical Statistics, Informatics and Epidemiology Medical Faculty, Cologne, Germany, 3 University of Rostock, Department of Pneumology/Intensive Care Medicine, Rostock, Germany, 4 Charité Medical University, Dept of Paediatric Pulmonology & Immunology, Berlin, Germany, 5 Meda, Department of Biometrics, Bad Homburg, Germany, 6 Center for Rhinology and Allergology, Wiesbaden, Germany

1242 Non allergic rhinitis associated with angiotensin converting enzyme inhibitors

Hohta M.1, Laloo G.2, Nikolia E.3
1 University Hospital Center, Service of Allergology and Clinical Immunology, Tirana, Albania, 2 UHC Mother Theresa, Service of Allergology and Clinical Immunology, Tirana, Albania, 3 Saranda Hospital, Internal Medicine, Saranda, Albania

1243 Ketotifen fumarate ophthalmic solution (0.025%) in the treatment of allergic conjunctivitis: assessment of efficacy and ocular comfort

Hristova E.G.1, Zlatarova Z.2, Zheleva D.3
1 Medical University of Varna, Department of Ophthalmology and Visual Science, Varna, Bulgaria, 2 Medical University of Varna, Varna, Bulgaria, 3 Tokuda Hospital Sofia, Department of Dermatology and Venereology, Sofia, Bulgaria

1244 Efficacy and tolerability of desloratadine in the treatment of persistent allergic rhinitis

Minov J.B.1, Karadzinska-Bislimovska J.2, Vasilevska K.2, Stoleski S.1, Mijakoski D.1
1 Institute of Occupational Health of R. Macedonia, Skopje, Macedonia, the Republic of, 2 Institute of Epidemiology and Biostatistics, Skopje, Macedonia, the Republic of

1245 Not everything is what it seems – a peculiar case

Correia M.1, Oliveira S.1
1 Hospital Central do Funchal, Unidade de Imunoalergologia, Funchal - Madeira, Portugal

Late Breaking Poster Session (LB TPS 5) - Asthma: mechanisms

Chair: Maarten van den Berge, The Netherlands

1614 **Lipopolysaccharide and nDer p 1 induce the cPLA2γ expression in severe asthmatics**

Pniewska E.1, Kupryś-Lipińska I.2, Kuna P.2, Pawlczak R.1
1 Medical University of Lodz, Department of Immunopathology, Lodz, Poland, 2 Medical University of Lodz, Department of Internal Diseases, Asthma and Allergy, Lodz, Poland

1615 IL11 and IL17 in allergic disease

Por C.1
1 County Clinical Hospital, 1 Med. Clin., Allergology, Sibiu, Romania

1616 **Scopoletin attenuates allergic inflammation and airway remodeling through regulation of Sirt1 and FOXO3**

Song J.-W.1, Cho E.-S.2, Lee M.-Y.2, Lee K.-Y.1, Kwon H.-J.1, Son H.-Y.1
1 Chungnam National University, Daejeon, Republic of Korea, 2 Korea Institute of Oriental Medicine, Daejeon, Republic of Korea, 3 Kongju National University, Gongju, Republic of Korea

1617 Inflammatory cell subsets are decreased in peripheral blood during an asthma flare-up

Jones A.C.1, Mok D.2, Reid J.F.1, Serralha M.1, Holt B.J.1, Bizzintino J.1,2, Khoo S.-K.2,3, Rueter K., Laing I.A.2, Goldblatt J.2, Le Souëf PN.1, Bosco A.1, Kusel M.1, Sly PD.4, Holt PG.4, Strickland D.H.1
1 Telethon Kids Institute, The University of Western Australia, Perth, Australia, 2 School of Paediatrics and Child Health, c/o Princess Margaret Hospital, The University of Western Australia, 3 School of Paediatrics and Child Health, c/o Princess Margaret Hospital, The University of Western Australia, 4 Queensland Children’s Medical Research Institute, The University of Queensland, Brisbane, Australia

1618 **Stem cell factor and Interleukin-31 expression: association with serum immunoglobulin E antibody among Egyptian patients with atopic and non-atopic bronchial asthma**

Moaz M.1, Abo El-Nazar S.2, Abd RI-Rahman M.3, Soliman E.4
1 University of Alexandria/Medical Research Institute, Department of Immunology and Allergy, Alexandria, Egypt, 2 University of Alexandria, Medical Research Institute, Alexandria, Egypt, 3 Alexandria Armed Forces Hospital, Alexandria, Egypt, 4 Alexandria University, Alexandria, Egypt
1621 Oral steroid-sparing effect of omalizumab in severe asthma patients treated with systemic steroids – the real-life experience from Greece
Zervakakou E.1
1Pneumonological Department Pedy Thessaloniki, Thessaloniki, Greece

1622 IRF-3 polymorphisms: frequency and relation with the asthma and atopy phenotypes in Turkish population
Mosayyeb S.1, Karassian C.1, Sahiner U.M.2, Vardar N.1, Birben E.2, Sackesen C.2, Kalayci O.2
1Hacettepe University, Faculty of Science, Department of Biology, Molecular Biology Section, Ankara, Turkey, 2Hacettepe University, Faculty of Medicine, Pediatric Allergy and Asthma, Ankara, Turkey

1624 Prevalence of asthma, allergic disorders and symptoms in children in the Grodno region (Belarus): a comparison of epidemiological studies completed in 2009 and 2014 as part of BUPAS
Brozek G.M.1, Shpakou N.2, Jones C.3, Davies M.1
1Medical University of Silesia in Katowice, Department of Epidemiology, Katowice, Poland, 2Yanka Kupala State University of Grodno, Department of Sport Medicine and Rehabilitation, Grodno, Belarus, 3University of Saskatchewan, Department of Medicine and Canadian Center for Health and Safety in Agriculture, Saskatoon, Canada

1625 Epidemiology of chronic cough in Korea: a nationwide database analysis (2010-2012)
Kang M.-G.1,2, Song W.-J.3,1, Chang Y.-S.1,3,4, Kim S.-S.1,3,5, Kim M.-K.1,4, Chang S.-H.1, Min K.-U.1,3, Cho S.-H.1,3,5
1Chungbuk National University Hospital, Department of Internal Medicine, Seoul, Republic of Korea, 2Chungbuk National University College of Medicine, Allergy and Clinical Immunology, Cheongju, Republic of Korea, 3Seoul National University Medical Research Center, Institute of Allergy and Clinical Immunology, Seoul, Republic of Korea, 4Seoul National University College of Medicine, Internal Medicine, Seoul, Republic of Korea, 5Seoul National University Bundang Hospital, Allergy and Clinical Immunology, Seong-Nam, Republic of Korea

1626 Determinants of adherence over time to asthma controller medication in children
Bloemsma L.D.1, Vijverberg S.J.H.1, Van Erp F.C.1,2, Van der Ent C.K.1,2, Klok T.1,2, Maitland-van der Zee A.H.1
1University of Utrecht, Division of Pharmacoepidemiology & Clinical Pharmacology, Utrecht, The Netherlands, 2Wilhelmina Children’s Hospital, University Medical Centre Utrecht, Department of Pediatric Pulmonology and Allergology, Utrecht, The Netherlands

1627 Comparative anti-inflammatory/immunomodulatory effect of different extracts of medicinal plant Nigella sativa
Koshak A.1,2, Fiebig B.1, Koshak E.4, Heinrich M.1
1UCL School of Pharmacy, London, United Kingdom, 2King Abdulaziz University, Jeddah, Saudi Arabia, 3University of Freiburg, Freiburg, Germany, 4Al-Baha University, Al-Baha, Saudi Arabia

1628 Asthma control, daily therapy modulation, exacerbations during the three periods of IOEASMA program
Guarnaccia S.1, Pluda A.1, D’Agata E.1, Colombo D.1, Felici S.1, Grettler V.1, Facchetti S.1, Pecorelli G.1, Quecchia C.1, Vitale L.1
1Centre ‘io& asma’, University Hospital, Brescia, Italy

Late Breaking Poster Session (LB TPS 6) - Pediatric allergy and asthma

1629 Adolescents’ views on adrenaline auto-injector design: a qualitative study
Leach L.1, Brown C.2, Jones C.2, Davies M.2, Smith H.3
1Brighton and Sussex University Hospitals NHS Trust, Brighton, United Kingdom, 2Brighton and Sussex Medical School, Division of Public Health and Primary Care, Brighton, United Kingdom

1630 Utility of end point titration test (skin prick test) in allergic asthma children treated with omalizumab
Dominico Mérida X.1, Trujillo Wurtele J.E.2, Gascon Casaredi I.2, Campa Falcon N.2, Larramona Carreras H.1, Valdesoiro Navarrete L.1, Asensio de la Cruz O.1, Bosque Garcia M.1
1Sabadell Hospital CSPT, Pediatrics, Sabadell, Spain, 2Sabadell Hospital CSPT, Sabadell, Spain

1631 Assessment of treatment efficacy using the Turkish version of pediatric asthma quality of life questionnaire (PAQLQ) in children with mild-to-moderate persistent asthma
Altinel N.1, Uygur Külçü N.2, Açakaya N.1, Çokuştaş H.1, Camcioglu Y.1
1Istanbul University, Cerrahpaşa Medical Faculty, Department of Pediatric Allergy and Clinical Immunology, Istanbul, Turkey, 2Zeynep Kamil Gynecology, Obstetrics and Children’s Educational Hospital, Pediatrics, Istanbul, Turkey

1632 Allergic sensitisation at school age is a systemic low-grade inflammatory disorder
Chawes B.L.K.1, Vandenbroucke M.1, Schoos A.-M.1,4, Kreiner-Møller E.1, Brix S.1,4, Bisgaard H.1
1Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, University of Copenhagen, Gentofte, Denmark, 2Center for Biological Sequence Analysis, Department of Systems Biology Technical University of Denmark, Lyngby, Denmark
1633 Preliminary estimation of a paediatric reference range for overnight urinary cortisol corrected for creatinine
Wolthers O.D.1, Mersmann S.2, Dissanayake S.3
1Asthma and Allergy Clinic, Children's Clinic Randers, Randers, Denmark, 2Mundipharma Research GmbH & Co. KG, Limburg, Germany, 3Mundipharma Research Limited, Cambridge, United Kingdom

1634 Severity of asthma symptoms, lung function and airway inflammation in the PreDicta cohort of preschool-age children with asthma
Roumpedaki E.1, Karantouranis D.1, Xepapadaki P.1, Sintobin I.2, Bachert C.2, Lukkarinen H.3, Jartti T.1, Zimmerman T.4, Finotto S.5, Sobanska A.6, Kowalski M.6, Papadopoulos N.G.1,7
1Allergy Unit, 2nd Pediatric Clinic, University of Athens, Goudi, Athens, Greece, 2Ghent University Hospital, Upper Airway Research Laboratory (UGENT), Ghent, Belgium, 3Department of Pediatrics, Turku University Hospital, Turku, Finland, 4The Children’s Hospital in Erlangen, Allergy and Pneumology Department, Erlangen, Germany, 5Friedrich-Alexander Universität Erlangen-Nuremberg, Molecular Pneumology Institute Universitatsklinikum, Erlangen, Germany, 6Medical University, Central Hospital, Department of Immunology, Rheumatology and Allergy, Faculty of Medicine, Lodz, Poland, 7Centre for Paediatrics and Child Health, Institute of Human Development, University of Manchester, Manchester, United Kingdom

1635 Diet stereotypes and prevalence of atopic diseases in children of rural areas in different regions of Azerbaijani Aylıxaq S.1
1Azerbaijan State Advanced Training Institute for Doctors named after A.Aliyev, Pediatrics Department, Baku, Azerbaijan

1636 The long-term observation of children with enhanced total serum IgE
Daniluk U.1, Lebensztejn D.1
1Medical University of Bialystok, Pediatrics, Gastroenterology and Allergology, Bialystok, Poland

1637 The relationship between maternal and infant vitamin D status and challenge-proven IgE-mediated food allergy at 1 year of age: a case-cohort study
Molloy J.1,2, Allen K.3,4,5, Collier F.1,2, Koplin J.3,4,5, Carlin J.3,4,5
1Child Health Research Unit, Barwon Health, Geelong, Australia, 2Deakin University, School of Medicine, Waurn Ponds, Australia, 3Murdoch Children’s Research Institute, Parkville, Australia, 4Royal Children’s Hospital, Dept of Allergy and Immunology, Parkville, Australia, 5Centre for Food and Allergy Research, Parkville, Australia, 6The University of Melbourne, Centre for Epidemiology and Biostatistics, Carlton, Australia

1638 Trends of prevalence of atopic dermatitis and sensitisation during the first two years of life in Estonian children
Jurisson M.1,2, Juuge K.3,4, Voor T.3,4, Vasar M.3,4, Rebane T.3,4, Vorobjov S.5
1Tallinn Children’s Hospital, Tallinn, Estonia, 2North Estonia Medical Centre, Tallinn, Estonia, 3Children’s Clinic, University of Tartu, Tartu, Estonia, 4Department of Pediatrics of University of Tartu, Tartu, Estonia, 5National Institute for Health Development, Tallinn, Estonia

1639 ‘Their tummies don’t really suit that food’: children and young teenagers’ understanding of food allergy
Knibb R.C.1, Croker S.2, Stalker C.2
1Aston University, School of Life and Health Sciences, Birmingham, United Kingdom, 2Illinois State University, Psychology, Normal, United States, 3University of Derby, Psychology, Derby, United Kingdom

1640 Prevention of gastrointestinal allergy manifestations in infants
Barzyłovych V.1, Pochinok T.2, Barzyłovych A.3, Gydź M.3
1Bohomolets National Medical University, Pediatrics, Kiev, Ukraine, 2Bogomolets National Medical University, Kiev, Ukraine, 3Oberg Clinic, Kiev, Ukraine

1641 Allergy reaction to a chewing candy Lolipop and an electrolyte solution containing starch
Rojas B.1, Muñoz M.P.2
1Obispo Polanco Hospital, Allergy Department, Teruel, Spain, 2Obispo Polanco Hospital, Teruel, Spain

1642 Characteristics of allergens in Korean children with allergic rhinitis
Lim D.H.1, Kim J.H.1, Environmental Health Center for Allergic Rhinitis, Ministry of Environment 1Inha University Hospital, Pediatrics, Incheon, Republic of Korea

1643 The peculiarities of the recurrent acute skin allergic reactions at children
Stani E.1, Nico G.1, Corelco T.1, Gustuc O.1, Romasco C.1, Wshnevitschi L.2, Rusanovich V.2
1State University of Medicine and Pharmacy ‘Nicolaie Testemitanu’, Pediatrics, Chisinau, Republic of Moldova, 2Medpark International Hospital, Chisinau, Republic of Moldova

1644 Acute urticaria due to an antidiarrheal drug
Figueroa C.1, Moreno A.2, Fernandez-Pacheco L.3, Ruiz F.J.4, Martinez L.5, Mira J.6
1CS Pacifco, GAP, Madrid, Spain, 2Virgen de la Luz Hospital, Allergy, Cuenca, Spain, 3CS Alcalá de Guadaira, GAP, Madrid, Spain, 4Infanta Elena Hospital, Allergy, Valdemoro, Spain, 5Virgen de la Luz Hospital, Cuenca, Spain

1645 Association between childhood asthma and history of assisted reproduction techniques: a systematic review and meta-analysis
Tsabouri S.1, Priftis K.2, Papassava M.3, Bellou V.3, Efthathiadou A.3, Ntzani E.1
1University Hospital of Ioannina, Department of Pediatrics, Ioannina, Greece, 2Third Department of Paediatrics, University of Athens School of Medicine, Ioannina, Greece, 3Evidence-based Medicine Unit, Department of Hygiene and Epidemiology, University of Ioannina School of Medicine, Ioannina, Greece

1646 Allergic diseases among children with autism spectrum disorders
Akpınar F.1, Kutuk G.2, Ozomay G.3, Yorbik O.4, Çetinkaya E.5
1Medipol Hospital, Dermatology, Istanbul, Turkey, 2Karunı Sultan Suleyman Hospital, Pediatrics, Istanbul, Turkey, 3Maltepe University School of Medicine, Pediatrics, Istanbul, Turkey, 4Maltepe University School of Medicine, Child and Adolescent Mental Health and Diseases, Istanbul, Turkey, 5Acibadem International Hospital, Pediatrics, Istanbul, Turkey
Late Breaking Poster Session (LB TPS 7) - Allergens and hymenoptera allergy

1648 Angioedema and Blastocystis infection in Mexican children
Rodríguez-González M.1, Reyes-Varela M.D.2, Vázquez-Tsui O.3, Nieto-Martínez S.A.4
1Instituto Nacional de Pediatría, Alergia e Immunología Clínica Pediátrica, Mexico City, Mexico, 2Hospital Pediátrico Legaria, Mexico City, Mexico, 3Instituto Nacional de Pediatría, Departamento de Parásitología y Micología, Mexico City, Mexico, 4Instituto Nacional de Pediatría, Unidad de Genética de la Nutrición, Mexico City, Mexico

1649 Identification and characterisation of the muscle protein, myosin light chain 1, as a major chicken meat allergen
Klug C.1, Hemmer W.1, Focke M.2, Wank H.1, Quirce S.4, Gautbier E.5, Swoboda L.1
1University of Applied Sciences, Molecular Biotechnology Section, Vienna, Austria, 2FAZ-Floridsdorf Allergy Center, Vienna, Austria, 3Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Division of Immunopathology, Vienna, Austria, 4Hospital La Paz Institute for Health Research (IdiPAZ), Department of Allergy, Madrid, Spain, 5University of Vienna, Max F. Perutz Laboratories, Department of Biochemistry & Biophysics, Structural & Computational Biology, Vienna, Austria

1650 The novel cat lipocalin Fel d 7 and its cross-reactivity with the dog lipocalin Can f 1: structures, epitopes and allergenicity
Wadén K.1, Apostolovic D.1,2, Sánchez-Vedraure S.1, Curin M.3, Grundström J.1, Gafvelin G.4, Cirkovic Velickovic T.2, Grönlund H.4, Thomas WR.2, Valenta R.3, Hamsten C.1,4, van Hage M.1
1Karolinska Institutet and Karolinska University Hospital, Department of Medicine Solna, Clinical Immunology and Allergy Unit, Stockholm, Sweden, 2University of Belgrade, Faculty of Chemistry, Department of Biochemistry, Belgrade, Serbia, 3Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Department of Pathophysiology and Allergy Research, Division of Immunopathology, Vienna, Austria, 4Karolinska Institutet and Center for Molecular Medicine, Department of Clinical Neuroscience, Therapeutic Immune Design Unit, Stockholm, Sweden, 5University of Western Australia, Telethon Kids Institute, Perth, Australia, 4Karolinska Institutet, Center for Inflammatory Diseases, Stockholm, Sweden

1651 Are fish tropomyosins allergens?
Veleiro B.1, González-Fernandez J.2, Daschner A.3, Cuéllar C.2
1Complexo Hospitalario Universitario A Coruña-Servizo Galego de Saúde, Allergy Department, A Coruña, Spain, 2Facultad de Farmacia, Universidad Complutense, Departamento de Parásitología, Madrid, Spain, 3Instituto de Investigación Sanitaria-Hospital Universitario de La Princesa, Allergy Department, Madrid, Spain

1652 Molecular diagnose to improve house dust mites treatment
García Núñez L.1, Al ganga Marmol M.A.1, Barasona Villarejo J.M.3, Suarez Vergara M.4, Corea F.1, Rodriguez E.5, Reina Ariza E.6, Ignacio García J.M.4
1Hospital Quiron Campo de Gibraltar, Allergy Department, Los Barrios, Spain, 4Hospital Quiron Malaga, Allergy Department, Malaga, Spain

1653 IgE and IgG4 antibody epitope mapping of Lat c 1.0101, the major allergen from Barramundi (Lates calcarifer)
Sharp M.F.1,2, Stephen J.N.1,2, Campbell D.E.4, Lopata A.L.1,2,4
1James Cook University, Molecular Immunology Group, College of Public Health Medical and Veterinary Sciences, Townsville, Australia, 2James Cook University, Centre for Biodiscovery and Molecular Development of Therapeutics, Townsville, Australia, 3Children’s Hospital at Westmead, Allergy & Immunology, Westmead, Australia, 4Australian Institute of Tropical Health and Medicine, Townsville, Australia

1654 Recombinant antibodies for sensitive detection of food allergens
Haka J.1, Iijin K.1, Niemi M.H.2, Reddy V.S.2, Takkinen K.1, Laukkainen M.-L.1
1VTT Technical Research Centre of Finland Ltd, Espoo, Finland, 2University of Eastern Finland, Joensuu, Finland, 3International Centre for Genetic Engineering and Biotechnology, New Delhi, India

1655 Allergic diseases do affect the elderly due to sensitisation to indoor and outdoor allergens
Pfeffer C.1,2, Grochulska K.1, Diestmann K.1
1Ulm University, Dermatology, Ulm, Germany, 2Klinikum Augsburg, Dermatology, Augsburg, Germany

1656 Immunological effects of particles and gases from ship diesel emissions in human bronchial epithelial cells
Oder S.1,2, Sippula O.1, Streibel T.1,3, Paar H.1, Mülhopt S.1, Arteaga M.1, Hamdorf H.1, Zimmermann R.2,3, Schmidt-Weber C.1, Buters J.T.M.1,2,3
1Technical University Munich and Helmholtz Center Munich, ZAUM – Center of Allergy & Environment, Munich, Germany, 2Kühne Foundation, Christine Kühne Center for Allergy Research and Education (CK-CARE), Munich, Germany, 3University of Eastern Finland, Fine Particle and Aerosol Technology Laboratory and Inhalation Toxicology Laboratory, Department of Environmental Science, Kuopio, Finland, 4University Rostock, Institute of Chemistry, Joint Mass Spectrometry Centre, Chair of Analytical Chemistry, Rostock, Germany, 5Helmholtz Zentrum München, Joint Mass Spectrometry Centre, CMA-Comprehensive Molecular Analytics, Neuherberg, Germany, 6Karlsruhe Institute of Technology, Institute of Technical Chemistry (ITC), Karlsruhe, Germany, 7University Rostock, Institute of Chemistry, Chair of Piston Machines and Internal Combustion Engines, Rostock, Germany
Tobacco smoke exposure and multiplexed immunoglobulin E sensitisation in children: a population-based study
Yao T.-C., Chang S.-W., Chiu C.-Y., Hua M.-C., Liao S.-L., Tsai M.-H., Lai S.-H., Tseng Y.-L., Yeh K.-W., Tsai H.-J., Huang J.-L.
1Chang Gung Memorial Hospital at Linkuo, Pediatrics, Taoyuan, Taiwan, 2Chang Gung University College of Medicine, Taoyuan, Taiwan, 3Chang Gung Memorial Hospital at Keelung, Keelung, Taiwan, 4Chang Gung Memorial Hospital at Linkuo, Taoyuan, Taiwan, 5National Health Research Institutes, Zhunan, Taiwan, 6Chang Gung Memorial Hospital, Taoyuan, Taiwan

Fixed drug eruption due to ibuprofen: patch test positive
Marchán Martín E., Villalba Díaz E., Senent Sánchez C.
1Hospital Virgen del Valle, Allergy, Toledo, Spain

Component resolution for improved diagnostics of vespid venom allergy using a set of recombinant Vespula and Polistes venom allergens
1University Medical Center Freiburg, Allergy Research Group, Department of Dermatology, Freiburg, Germany, 2Aarhus University, Immunological Engineering, Department of Engineering, Aarhus, Denmark, 3Thermo Fisher Scientific, Uppsala, Sweden

Honey bee and wasp sensitation in a population referring hymenoptera sting sensitisation
Garca Nunez L., Suarez Vergara M., Alqaba Marmol M.A., Barasona Villarejo M.J.
1Hospital Quiron Campo de Gibraltar, Palomes, Los Barrios, Spain, 2Hospital Quiron Campo de Gibraltar, Allergy Department, Palomes, Los Barrios, Spain, 3Hospital Quiron Campo de Gibraltar, Allergy Department, Los Barrios, Spain

Tolerance of meropenem in a patient with allergy to penicillins and cephalosporins
Alvarez Garcia O., Pescosolido E., Sanchez Morillas L., Hernández Reyes S., Pérez Sánchez N., Robledo Echarren T., Fernández-Rivas M.
1Hospital Clínico San Carlos, Allergy Department, Madrid, Spain

Toxicodermia in hospitalised patient: complex management in an usual pathology
Marchán Martín E., Cabañas Higuero N., De la Osa Puebla V., Tapia de Pedro G., Villalba Díaz E., Senent Sánchez C.
1Hospital Virgen del Valle, Allergy, Toledo, Spain

Immediate systemic hypersensitivity reaction to atropine
Carrillo Fernandez-Paredes P., Brugaletta Matheus D.C., Peña Arellano M.I.
1Hospital Quiron, Murcia, Spain, 2Hospital Comarcal del Noroeste, Caravaca, Spain

Fixed drug eruption due to ibuprofen: patch test positive with a flare up phenomenon
1Servicio de Alergia, Hospital Universitario del Henares, Madrid, Spain, 2Servicio de Farmacia, Hospital Universitario Del Henares, Madrid, Spain

Near fatal anaphylaxis after bee sting in mastocytosis patient under ongoing SIT: due to molecular mismatch of honey bee allergens (Apis m 10, Apis m 33) between SIT extract and crude honey bee venom?
Micaletto S., Ruetzler K., Ollert M., Spillner E., Hoetzenecker W., Bruesch M., Schmid-Grendelmeier P.
1University Hospital Zurich, Allergy Unit, Department of Dermatology, Zurich, Switzerland, 2University Hospital Zurich, Institute of Anesthesiology, Zurich, Switzerland, 3Technical University Munich, Department of Dermatology and Allergy, Munich, Germany, 4Centre de Recherche Public de la Santé (CRP–Santé), Department of Infection and Immunity, Luxembourg, Luxembourg

Severity of insect sting reaction affects several dimensions of health-related quality of life in children diagnosed with hymenoptera venom allergy
Brzyski P., Cichocka-Jarosz E., Jedynek-Wąsowicz U., Tomasik T., Tobiasz-Adamczyk B., Lis G.
1Jagiellonian University Medical College, Department of Pediatrics, Kraków, Poland, 2Jagiellonian University Medical College, Chair of Epidemiology and Preventive Medicine, Kraków, Poland

Assessment of children vs adult venom immunotherapy (VIT) patients’ preparedness for administering adrenaline self-medication in case of insect sting
Cichocka-Jarosz E., Nittner-Marszałska M., Brzyski P., Weina P., Lis G.
1Jagiellonian University Medical College, Department of Pediatrics, Kraków, Poland, 2Medical University of Wroclaw, Department of Internal Medicine, Geriatrics and Allergology, Wroclaw, Poland, 3Jagiellonian University Medical College, Chair of Epidemiology and Preventive Medicine, Kraków, Poland

Suspicion of Hymenoptera venom allergy in a child influences quality of life in its parents
Cichocka-Jarosz E., De la Osa Puebla V., Peña Arellano M.I., Cortes Arellano M.I., Brugaletta Matheus D.C., Tobiasz-Adamczyk B., Lis G.
1Jagiellonian University Medical College, Department of Pediatrics, Kraków, Poland, 2Jagiellonian University Medical College, Chair of Epidemiology and Preventive Medicine, Kraków, Poland

Posters

Late Breaking Poster Session (LB TPS 8) - Drug allergy diagnosis and clinical aspects

Immediate systemic hypersensitivity reaction to atropine
Carrillo Fernandez-Paredes P., Brugaletta Matheus D.C., Peña Arellano M.I.
1Hospital Quiron, Murcia, Spain, 2Hospital Comarcal del Noroeste, Caravaca, Spain

Fixed drug eruption due to ibuprofen
Carrillo Fernandez-Paredes P., Brugaletta Matheus D.C., Navarro Garrido C., Peña Arellano M.I.
1Hospital Quiron, Murcia, Spain, 2Hospital Comarcal del Noroeste, Caravaca, Spain
1671 Teicoplanin allergy – an emerging problem in the anaesthetic allergy clinic
Savic L.1, García T.1, Hopkins P.2, Harper N.4, Savic S.6
1St James University Hospital, Anaesthetic Department, Leeds, United Kingdom, 2Central Manchester University Hospitals NHS Foundation Trust, Clinical Immunology, Manchester, United Kingdom, 3University of Leeds, Institute of Biomedical & Clinical Sciences, School of Medicine, Leeds, United Kingdom, 4Central Manchester University Hospitals NHS Foundation Trust, Department of Anaesthesia, Manchester, United Kingdom, 5St James University Hospital, Clinical Immunology and Allergy, Leeds, United Kingdom

1672 Three-stage prevention of drug allergy
Nurpeissov T.T.1, Nurpeissov T.T.1, Gázaliéva M.1, Axdqiálieva A.1
1SRI of Cardiology and Internal Diseases, Almaty, Kazakhstan

1673 Systemic reaction after taking levofoxacin with tolerance to moxifloxacin
Carrillo Fernandez-Paredes P.1, Brugaletta Matheus D.C.1, Boulaich M.2, Peña Arellano M.I.3
1Hospital Quiron, Murcia, Spain, 2Hospital Quiron, Torrevieja, Spain, 3Hospital Comarcal del Noroeste, Caravaca, Spain

1674 Immediate reactions to paracetamol. Are skin tests helpful?
Pasioti M.1, Tsami M.1, Petrodjimoupolou M.1, Mikos N.1, Kompoti E.1
1‘Laikon’ General Hospital, Allergology Department, Athens, Greece

1675 Local reaction after insulin lispro-protamine administration with false tolerance to insulin detemir
Peña Arellano M.I.1, Brugaletta Matheus D.C.1, Fornovi Justo A.2, Carrillo Fernandez-Paredes P.1
1Hospital Comarcal del Noroeste, Alergología, Caravaca De La Cruz, Spain, 2Hospital Comarcal del Noroeste, Endocrinología, Caravaca De La Cruz, Spain, 3Hospital Santa Lucía, Cartagena, Spain

1676 Drug-induced aseptic meningitis due to amoxicillin
Alarcón E.1, Sansosti A.1, Botey E.1, Peña M.1, Navarro B.1, Claver A.1, Cisteró-Bahíma A.1
1Hospital Universitario Quirón Dexeus, Alergología, Barcelona, Spain

1677 Intolerance to non-steroidal anti-inflammatory drugs (NSAIDs)
Lakhouni G.1, Elaidi S.1, Sahnoun R.1, Kastalli S.1, Doghfiou R.1, Zaïem A.1
1Centre national de pharmacovigilance, Service d’analyse et de recueil des données, Tunis, Tunisia, 2Faculté de médecine de Tunis, Tunis, Tunisia

1678 Aacencomarol hypersensitivity
Benito Martinez E.1, Fernandez Parra E.1, Mencia Bartolome J.1
1Hospital El Bierzo, S.Alergología, Ponferrada, Spain

1679 Spider-like telangiectasia following use of escitalopram
Vaccaro M.1, Calapai G.2, Barbuzza O.2, Cannavò S.P.1
1University of Messina, Department of Clinical and Experimental Medicine – Dermatology, Messina, Italy, 2University of Messina, Department of Clinical and Experimental Medicine – Pharmacology, Messina, Italy, 3Allergist, Private Practice, Messina, Italy

1680 Hyaluronidase – a sting in the tale?
Griffiths E.1, Pillai P.1, Siew L.1, Tsakok T.1, Haque R.1
1Guys and St Thomas’ NHS trust, Allergy, London, United Kingdom

1681 Resensitisation to amoxicillin
Laguna J.J.1,2, Dioniico Elera J.1, Gonzalez-Mendiola R.1, Alcorta Valle A.R.1, Archilla J.1, Carrasco I.1, Santos A.1, Rubio A.1, Cruz Roja Hospital, Allergy Unit, Madrid, Spain, 2Cruz Roja Hospital, Allergo-Anesesis Unit, Madrid, Spain

1682 Atypical nonpigmenting fixed drug eruption caused by ciprofloxacin
Tsami M.1, Pasioti M.1, Mikos N.1, Kompoti E.1
1‘Laikon’ General Hospital, Allergology Department, Athens, Greece

1683 Urticaria due to lovastatin
Moreno A.1, Figueroa C.2, Fernandez-Pacheco L.3, Ruiz F.J.4, Mira J.5, Fontela J.L.6, Martinez J.6
1Virgen de la Luz Hospital, Allergy, Cuenca, Spain, 2CS Pacífico, GAP, Madrid, Spain, 3CS Alcalá de Guadaira, Allergy, Madrid, Spain, 4Infanta Elena Hospital, Allergy, Valdemoro, Spain, 5Virgen de la Luz Hospital, Cuenca, Spain

1684 DRESS syndrome in an immunology and allergy unit
Marinovic M.A.1, Duarte P.1, Zulaica M.D.1, Ibañez F.2, Peña P.3
1Clinica Santa Maria, Immunology and Allergy Unit, Santiago, Chile, 2Clinica Santa Maria, Allergy Laboratory, Santiago, Chile, 3Clinica Santa Maria, Respiratory And Allergy Laboratory, Santiago, Chile

1686 Asthma due to glucocorticoid
Moreno-Fernandez A.1, Figueroa C.2, Gonzalez E.2, Fontela J.L.3
1Virgen de la Luz Hospital, Cuenca, Spain, 2CS Pacífico, GAP, Madrid, Spain, 3Virgen de la Luz Hospital, Allergy, Cuenca, Spain
6th International Symposium on Molecular Allergology

Abstract submission deadline
20 September 2015

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**Poster Session (TPS 39) - Learning in allergy and immune disease**

**Chair:** Massimo Triggiani, Italy

**1246 Determination of the cytotoxicity of chitin binding mistletoe (Viscul album L) fruit lectin (MChbL) on human peripheral blood lymphocytes**

Gachechiladze N.1, Khurtisdze E.1, Gaidamashvili M.1

1Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia

**1247 Specific IgE and IgG and pulmonary fungal disease**

De Amici M.1, Mariani F.2, Corsico A.G.2, Piloni D.2, Paracchini E.2, Torre C.2, Nigrisoli S.1, Campo I.2, Marseglia G.L.1

1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2Foundation IRCCS Policlinico San Matteo, Department of Pneumology, Pavia, Italy

**1248 The validity of specific IgG and IgG4 in fungal disease diagnosis**

Mariani F.1, De Amici M.2, Marseglia G.L.2, Piloni D.1, Paracchini E.1, Nigrisoli S.2, Testa G.2, Campo I.1, Corsico A.G.1

1Foundation IRCCS Policlinico San Matteo, Department of Pneumology, Pavia, Italy, 2Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy

**1249 Impact of high serum IgE levels on the risk of atherosclerosis in human**

Unal D.1, Gelinck A.1, Eltik A.2, Kocağa M.2, Olaç M.1, Demir S.1, Colakoğlu B.1, Büyüköztürk S.1

1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey, 2Istanbul University, Istanbul Faculty of Medicine, Department of Cardiology, Istanbul, Turkey

**1250 Serum endothelin-1 in chronic thromboembolic pulmonary hypertension**

Morsolini M.1, De Amici M.2, Grazioni V.1, Marseglia G.L.2, Pin M.1, Torre C.2, Nigrisoli S.2, Sciortino A.1, Testa G.2, D’Armini A.M.1

1Foundation IRCCS Policlinico San Matteo, Department of Pneumology, Pavia, Italy, 2Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy

**1251 The effects of daily dietary intake of fibres on perceived general health and immune functioning in young adults**

Bury D.1, Fernstrand A.M.2, Garssen J.1, Verster J.C.1,3

1Utrecht University, Division of Pharmacology, Utrecht, The Netherlands, 2Nutricia Research, Utrecht, The Netherlands, 3Swinburne University, Center for Human Psychopharmacology, Melbourne, Australia

**1252 Severe hypercalcemia secondary to sarcoidosis of the bone**

DuBuske I.1, Nehme M.1, Teufel K.1

1George Washington University Hospital, Washington, United States

**1253 Allergic broncho pulmonary aspergillosis associated with eosinophilic gastro enteritis – a case report**

Ghiordanescu I.M.1, Balaie M.1, Bumbacea R.S.1, Bumbacea D.4

1Life Med Clinic, Allergology, Bucharest, Romania, 2Colentina Clinical Hospital, Pneumology, Bucharest, Romania, 3Elias Emergency University Hospital, Dermatology and Allergy, Bucharest, Romania, 4Elias Emergency University Hospital, Pneumology, Bucharest, Romania

**1254 Churg-Strauss syndrome (CSS) – progressive, aggressive, disabling disease with multiple organ manifestations: a case report**

Pedkova E.1, Staevska M.1, Valiereva A.1, Dimitrov V.1

1Medical University of Sofia, Sofia, Bulgaria

**1255 Early onset of pulmonary involvement in a child case with ulcerative colitis**

Senocak N.1, Ozmen S.2, Bostanci I.2

1Dr. Sami Ulus Training and Research Hospital of Women’s and Children’s Health and Diseases, Ankara, Turkey, 2Dr. Sami Ulus Training and Research Hospital of Women’s and Children’s Health and Diseases, Pediatric Allergy and Immunology, Ankara, Turkey

**1256 Lymphangioleiomyomatosis (LAM)**

De Vicente Jimenez T.1, Jareño J.2, Montero A.1, Fonseca J.1, Mendoza A.1, Mateos J.M.1, Núñez M.A.1, de Mateo B.1

1Hospital Central de la Defensa, Allergology, Madrid, Spain, 2Hospital Central de la Defensa, IMIDEF, Pneumology, Madrid, Spain

**1257 Pulmonary Langerhans cell histiocytosis – a case report**

Moreira A.1, Lopes I.2, Moreira Silva J.3

1Centro Hospitalar Vila Nova de Gaia/Espinho, Immunology and Allergy, Vila Nova Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Vila Nova Gaia, Portugal, 3Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Immunology and Allergy, Vila Nova Gaia, Portugal

**1258 Hand-foot-mouth disease in an adolescent**

Anl H.1, Harmanco R.1, Bulur I.1, Kocak A.2

1Osmangazi University, Pediatric Allergy and Immunology, Eskisehir, Turkey, 2Osmangazi University, Dermatology, Eskisehir, Turkey, 3EAACI, Pediatric Allergy and Immunology, Eskisehir, Turkey

**1259 Different antihistamines with the same brand name sold in different countries**

Wong H.C.G.1

1University of British Columbia, Department of Medicine, Vancouver, Canada

**1260 Are we medical laboratory technicians or doctors? Real-life experiences: admissions of patients for outpatient clinic**

Yesilik S.1, Selcuk A.1, Kartal Q.1, Baysan A.1, Demirel F.1, Dogan T.1, Gulec M.1, Musabak U.1, Senier O.1

1Gulhane Military Medical Academy and Medical School, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2Gulhane Military Medical Academy and Medical School, Division of Internal Medicine, Ankara, Turkey, 3GATA Immunology and Allergy Division, Ankara, Turkey

**1261 Peer learning and assessment practice in post-graduate studies and development of allergology and clinical immunology specialists: advantages and challenges**

Kobzev D.1, Astafieva N.2

1Leeds Trinity University, Business, Leeds, United Kingdom, 2Saratov State Medical University, Allergology and Clinical Immunology, Saratov, Russian Federation
Poster Session (TPS 40) - Pediatric cutaneous and drug allergy

Chairs: Laury Masthoff, The Netherlands
Ramon Lionart, Spain

1262 The centres of excellence in allergy care (CoE): improving allergy treatment outcomes
Fox A 1, Lack G 1, Sastre J 2, Demoly P 2, Niven L 4
1Guy’s and St Thomas’ NHS Foundation Trust, London, United Kingdom, 2Fundación Jiménez Díaz Hospital, Madrid, Spain, 3University of Montpellier, Montpellier, France, 4PCM Scientific, London, United Kingdom

1263 Filaggrin loss-of-function mutations predispose to atopic dermatitis and allergic sensitisation in Polish children population
Debinska A 1, Danielewicz H 1, Drabik-Chamerska A 1, Kalita D 1, Boznanski A 1
1Wrocław Medical University, 1st Department and Clinic of Paediatrics, Allergology and Cardiology, Wroclaw, Poland

1264 Allergic sensitization in atopic dermatitis infants
Shevyrev D 1, Migacheva N 1, Kaqanova T 1
1Samara State Medical University, Pediatrics, Samara, Russian Federation

1265 Gonadotropin releasing hormone analogue drugs hypersensitivity during childhood
Karaatmaca B 1, Tavil B 1, Sekerel B.E. 1, Soyer O 1
1Hacettepe University School of Medicine, Pediatric Allergy, Ankara, Turkey, 2Hacettepe University School of Medicine, Pediatric Endocrinology, Ankara, Turkey

1266 Drug allergy: epidemiology of a cohort of pediatric patient
Caimmi S 1, De Amici M 1, Caimmi D 2, Licari A 1, Marseglia A 1, Castagnoli R 1, Trovamala V 1, Torre C 1, Nigrisoli S 1, Marseglia G.L. 1
1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2CHRJ de Montpellier, Allergy Unit and Cystic fibrosis Center, Montpellier, France

1267 Cyclosporin A and resistant atopic dermatitis with children
Kudryavtseva A 1, Balabolkin I 2, Kserzova L 2, Larkova L 2
1I.M. Sechenov First Moscow State Medical University, Pediatrics Hospital, Moscow, Russian Federation, 2Scientific Center of Children’s Health, Moscow, Russian Federation

1268 Fever associated with montelukast: a pediatric case
Montoro de Francisco A.M. 1, García Luque A. 2, Tabakov A. 3, Forsénca Avendaño J. 3, De Vicente Jimenez T.M. 2, Mendoza Parra A. 2, Mateos Galván J.M. 2
1Hospital Clinico Central de la Defensa, IMIDEF, Allergy, Madrid, Spain, 2Hospital Central de la Defensa, IMIDEF, Pharmacology, Madrid, Spain, 3Hospital Central de la Defensa, IMIDEF, Madrid, Spain

1269 Atypical severe form of childhood DRESS syndrome
Hossny E 1, El-Sayed S.S. 2, El-Owaidy R 2, Rozk A 3
1 Ain Shams University, Faculty of Medicine, Pediatric allergy and immunology, Cairo, Egypt, 2Ain Shams University, Faculty of Medicine, Pediatric Allergy and Immunology, Cairo, Egypt, 3Ain Shams University, Faculty of Medicine, Pediatric Intensive Care Unit, Cairo, Egypt

1270 Oral desensitisation with dasatinib in delayed drug hypersensitivity reaction
Karaatmaca B 1, Tavil B 1, Sekerel B.E. 1, Soyer O. 1
1Hacettepe University School of Medicine, Pediatric Allergy, Ankara, Turkey, 2Hacettepe University School of Medicine, Pediatric Hematology, Ankara, Turkey

1271 DRESS syndrome in a pediatric patient
Finelli E 1, Paiva M. 1, Pina-Tincão D. 1, Garcia A. 2, Gouveia C. 3, Prates S. 1, Leiría Pinto P1
1Don Estefânia Hospital, Immunology Department, Lisbon, Portugal, 2Don Estefânia Hospital, Infectious Disease Unit, Lisbon, Portugal

1272 Acute haemorrhagic edema of infancy (AHEI)
Baldacara R PC 1, Silva R.C. 1, Miri C. 1, Pires B.S. 3, Fagundes FR.Q.O 4, Guedes V.R. 3, Paula R.G. 3, Pacheco G. 3
1Universidade Federal do Tocantins, Pediatria, Palmas, Tocantins, Brazil, 2Hospital Infantil Público de Palmas, Pediatria, Palmas, Brazil, 3Universidade Federal do Tocantins, Pediatria, Palmas, Brazil, 4Universidade Federal do Tocantins, Dermatologia, Palmas, Brazil, 5Universidade Federal do Tocantins, Patologia, Palmas, Brazil

1273 Acute generalised exanthematous pustulosis cases: a report of 5 cases
Ozmen S. 1, Pertunyi A. 1, Gurkan A. 2, Bostanci I 1
1Dr. Sami Ulus Maternity and Children’s Health and Diseases Training and Research Hospital, Pediatric Allergy Immunology, Ankara, Turkey, 2Dr. Sami Ulus Maternity and Children’s Health and Diseases Training and Research Hospital, Dermatology, Ankara, Turkey

1274 An unusual complication of bedbug bites: bullous reactions in two children
Yavuz S.T. 1, Gungor A. 1, Kaya G. 2, Gok F. 2
1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey, 2GATA School of Medicine, Department of Pediatrics, Ankara, Turkey
1275 Is the presence of domestic animals promotes occurrence of children’s allergy?  
Kharjanchik A.  
1Grodno State Medical University, Grodno, Belarus

1276 Transthoracic ultrasound – a new tool for the allergist  
Sybilska A.1, Michalczuk M.1, Blińska J.1, Szańkowski M.1  
1Medical University of Warsaw, Dept Prevention of Environmental Hazards & Allergy, Warsaw, Poland, 2Central Clinical Hospital of Ministry of Internal Affair, Department of Pediatric and Neonatology with Allergology & Dermatology Center, Warsaw, Poland, 3Gold Coast University Hospital, Coronary Care Unit, Gold Coast, Australia, 4Central Clinical Hospital of Ministry of Internal Affair, Diagnostic Radiology Department, Ultrasound Unit, Warsaw, Poland

1277 Adverse reaction to Benzathine Benzylpenicillin (BB) due to soy allergy  
Barni S.1, Moni F.1, Sarti L.1, Pantano S.2, Novembre E.1  
1Allergy Unit, A. Meyer Children’s Hospital, Department of Pediatric, Florence, Italy, 2San Liberatore Hospital, Cystic Fibrosis Department, Teramo, Italy

1278 Optimisation of the experimental design to study the pharmacokinetics of rupatadine 1 mg/ml oral solution in 2-5 year old children  
Santamaría E.1, Izquierdo I.2, Valle M.1  
1Universitat Autònoma de Barcelona, Cerdanyola del Vallès, Spain, 2J. Urríach y Compañía, S.A., Palau Solità i Plegamans, Spain, 3IB-Sant Pau. Institut de Recerca de l’Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

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**Poster Session (TPS 41) - Pollen and polination plus others (HDM, climate, etc.) as risk factors for allergies**

**Chairs:**  
Celia Antunes, Portugal  
Pedro Gamboa, Spain

1279 Record of airborne pollen of Poaceae in five areas in Lagos State  
Adeniyi T.A.1, Adeonipekun PA.1, Ololowudejo J.D.1  
1University of Lagos, Department of Botany, Lagos, Nigeria

1280 Alternaria and Pleospora fungal spores in the ambient air of Vinnitsa, Ukraine  
Bilòus E.S.1, Rodinkova V.V.1, Musatova K.V.1, Motruk I.I.6  
1Vinnitsa National Pirogov Memorial Medical University, Scientific Research Centre, Vinnitsa, Ukraine, 2Vinnitsa National Pirogov Memorial Medical University, Pharmacy, Vinnitsa, Ukraine, 3Vinnitsa National Pirogov Memorial Medical University, Medical Biology, Vinnitsa, Ukraine, 4Vinnitsa National Pirogov Memorial Medical University, Hygiene, Vinnitsa, Ukraine

1281 Identification of allergenic airborne grass pollen seasons and their relationships with meteorological and air pollution factors in Tehran, Iran  
Majd A.1, Sharif Shoushtari M.2, Shokouh Shourmasti R.2, Kazemnejad A.4, Zandieh F.3, Movahedi M.2,4, Pournak Z.2,6, Moin M.2,6  
1Islamic Azad University, North Tehran Branch, Faculty of Biology Science, Department of Biology, Tehran, Islamic Republic of Iran, 2Tehran University of Medical Sciences, Immunology, Asthma and Allergy Research Institute, Tehran, Islamic Republic of Iran, 3Science and Research Branch, Islamic Azad University, Department of Biology, Tehran, Islamic Republic of Iran, 4Tarbiat Modares University, Medical School, Department of Biostatistics, Tehran, Islamic Republic of Iran, 5Bahrami Children Hospital, Tehran University of Medical Sciences, Department of Immunology, Asthma and Allergy, Tehran, Islamic Republic of Iran, 6Tehran University of Medical Sciences, Department of Immunology and Allergy, Children Medical Center, Tehran, Islamic Republic of Iran

1283 Peak birch pollination shifts nearly 20 days early in Vinnitsa, Ukraine due to temperature increases  
Rodinkova V.1, Musatova K.V.1, Motruk I.I.6, Kremenska L.V.1, Dubuske L.M.2,3  
1Vinnitsa National Pirogov Memorial Medical University, Vinnitsa, Ukraine, 2Immunology Research Institute of New England, Gardner, MA, United States, 3George Washington University, MFA, Washington, DC, United States

1284 Pollen counts during 2014 in Seville, Spain  
López Ruiz C.1, Alcainz Pérez C.1, Rubiano Sosa C.1, Bellido Linares V.1, de Luque Piñana V.1, Guardia Martínez P.1  
1Hospital Universitario Virgen Macarena, UGC-IC Alergología, Sevilla, Spain

1285 Tree pollen daily distribution patterns in Vinnitsa, Ukraine  
Bilòus E.S.1, Rodinkova V.V.1, Musatova K.V.1, Motruk I.I.6, Kremenska L.V.1, Palamarchuk O.O.2  
1Vinnitsa National Pirogov Memorial Medical University, Science Research Centre, Vinnitsa, Ukraine, 2Vinnitsa National Pirogov Memorial Medical University, Pharmacy, Vinnitsa, Ukraine, 3Vinnitsa National Pirogov Memorial Medical University, Medical Biology, Vinnitsa, Ukraine, 4Vinnitsa National Pirogov Memorial Medical University, Hygiene, Vinnitsa, Ukraine

1286 A novel mobile chamber for allergen exposure tests  
Sehinger T.1, Bergmann K.C.1, Zubberter T.1, Goergen F.1  
1Bluestone Technology GmbH, Woerstberg, Germany, 2Allergie-Centrum-Charité, Charité-Universitätsmedizin Berlin, Berlin, Germany

1287 Clinical validation of a mobile environmental allergen exposure chamber  
Bergmann K.C.1, Sehinger T.1, Bölke G.1, Zuebter T.1  
1Allergy-Center-Charité, Charité Universitätsmedizin Berlin, Berlin, Germany, 2Bluestone Technology GmbH, Woerstberg, Germany, 3Allergie-Centrum-Charité, Berlin, Germany
1298 Sensitisation pattern to common aeroallergens at Makkah
Tayeb M.1,2,3
1King Abdulaziz University, FM - Allergy, Jeddah, Saudi Arabia, 2Jeddah, Jeddah, Saudi Arabia, 3King Abdulaziz University, Makkah, Saudi Arabia

1289 Comparison between house dust mite and Aspergillus sensitisation in patients with high level of TlGE
Shiquan W., Baggio N., Wenting L., Nili W.
1The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China

1290 The relationship between environment and the prevalence of allergy rhinitis and asthma in pre-school children in Guangzhou city
Jiaying L., Huimin H., Manning Z., Nili W., Baggio N.
1State Key Laboratory of Respiratory Disease, Guangzhou City, China

1291 The composite assessment of burden of asthma in a sample of outpatients children
Montalbano L.1,2, Ciulluro G.1,3, Malizia V.1, Antona R.1, Ferrante G.4, La Grutta S.5
1National Council of Research CNR, Palermo, Italy, 2University of Palermo, Department of Psychology, Palermo, Italy, 3University of Palermo, Department of Economics, Business and Statistics Science, Palermo, Italy, 4University of Palermo, Department of Science for Health Promotion of Mother and Child, Palermo, Italy

Poster Session (TPS 42) - Clinical aspects of drug allergy

1295 Fixed drug eruption: a case series
Chaabane A.1, Chadly Z.1, Ben Fadhil N.1, Ben Fredj N.1, Ben Romdhane H.1, Bouhattas N.A.1, Aouam K.1
1Medicine University, Pharmacology, Monastir, Tunisia

1296 NSAID hypersensitivity during childhood along with different classifications
Cavkaytar O.1, Anik Yilmaz E.1, Karaatmaca B.1, Buyuktiryaki B.1, Sackesen C.1, Sekeri B.E.1, Soyer O.1
1Hacettepe University Medical Faculty, Department of Pediatric Allergy, Ankara, Turkey

1297 Characteristics of drug hypersensitivities: a single centre experience
Demirturk M.1, İşik S.R.1, Ersoy R.1, Uysal A.2
1Yedikule Chest Diseases and Surgery Training and Research Hospital, Adult Allergy Department, Istanbul, Turkey, 2Yedikule Chest Diseases and Surgery Training and Research Hospital, Chest Diseases, Istanbul, Turkey

1298 Urticarial vasculitis induced by bupivacaine
Anezzi L., Vega P., Las Heras P., Fariñas M., Jiménez H.1, Blanco C.1
1Hospital Universitario de La Princesa, Allergy, Madrid, Spain

1299 Hypersensitivity to both amoxicillin (AMX) and paracetamol (PARA) after drug rash with eosinophilia and systemic symptoms (DRESS) to carbamazepine
Chaabane A.1, Ben Fredj N.1, Ben Fadhil N.1, Ben Romdhane H.1, Chadly Z.1, Bouhattas N.A.1, Aouam K.1
1Medicine University, Pharmacology, Monastir, Tunisia

1292 Evaluation of Alt a 1 detection in fungal contaminated oranges by ELISA and PCR
Uriel N.1, Teifoori F.1, Gabriël M.1,2, Postigo I.1, Gutiérrez-Rodriguez A.1, Suñén E.1, Martínez J.1
1University of the Basque Country, Department of Immunology, Microbiology and Parasitology, Faculty of Pharmacy and Laboratory of Parasitology and Allergy, Lascaray Research Centre, Vitoria-Gasteiz, Spain, 2University of Beira Interior, Department of Chemistry and CICS-UBI – Health Sciences Research Centre, Covilhã, Portugal

1293 Assessment of house-dust mite allergen-blocking effectiveness of newly developed barrier fabrics for antiallergic covers
Maikowska-Wojciechowska B.1, Jarzębska M.1, Cieślik M.2, Krawczyńska I.1, Malinowska G.2, Kaleta A.1, Kowalski M.L.1
1Medical University of Lodz, Dept of Immunology, Rheumatology and Allergy, Healthy Ageing Research Centre (HARC), Lodz, Poland, 2Textile Research Institute, Lodz, Poland

1294 Patterns of sensitisation to Ambrosia species
Perez I.1, Pineda P.1, Panaiteuca C.1, Marusiuc L.2, Tamás T.-P.2, Ianovici N.I.3
1DIATER Laboratories, Madrid, Spain, 2University of Medicine and Pharmacy Victor Babes Timisoara, Functional Sciences, Timisoara, Romania, 3West University of Timisoara, Department of Biology, Timisoara, Romania

1290 Angioedema with acute liver injury induced by angiotensin II receptor antagonists
Nakonechna A.1, Dixon T.1
1Royal Liverpool and Broadgreen University Hospitals NHS Trust, Allergy, Liverpool, United Kingdom

1301 Allergy to an endogenous vitamin – how can this be?
Egner W.1, Shrimpton A.1, Saigur R.1, York M.1, Swallow K.1
1Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom

1302 Phenytoin-induced toxic epidermal necrolysis: a case report
Martins M.1, Reis R.1, Tomaz E.1, Inácio F.1
1Hospital São Bernardo, Immunology and Allergology, Setúbal, Portugal

1303 DRESS syndrome: furosemide, another culprit drug
Chaabane A.1, Ben Fadhil N.1, Ben Fredj N.1, Chadly Z.1, Bouhattas N.A.1
1Medicine University, Pharmacology, Monastir, Tunisia

1304 Hemophagocytic syndrome and DRESS: is it an association or a clinical picture?
Chaabane A.1, Ben Romdhane H.1, Ben Fredj N.1, Ben Fadhil N.1, Bouhattas N.A.1, Aouam K.1
1Medicine University, Pharmacology, Monastir, Tunisia
1305 Early presenting fixed drug eruption with different quinolones in a patient
Demir S.1, Olgac M.1, Ertek B.1, Unal D.1, Akdeniz N.2, Aktas Cetin E.2, Álvarez-Cuesta E.1
1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey; 2Istanbul University, Institute of Experimental Medicine (DETAIE), Department of Immunology, Istanbul, Turkey

1306 Immediate and non-immediate hypersensitivity reaction to single dose moxifloxacin
Demir S.1, Olgac M.1, Unal D.1, Akdeniz N.2, Aktas Cetin E.2, Álvarez-Cuesta E.1
1Istanbul University, Istanbul Faculty of Medicine, Internal Medicine Department, Division of Immunology and Allergic Diseases, Istanbul, Turkey; 2Istanbul University, Institute of Experimental Medicine (DETAIE), Department of Immunology, Istanbul, Turkey

1307 Fixed drug eruption – a case report
Aguiar R.1, Lopes A.1, Pereira-Barbosa M.A.1
1Hospital de Santa Maria-Centro Hospitalar Lisboa Norte, Immunology Allergy Department, Lisbon, Portugal

1308 Fatal mucocutaneous lesions: a case of fulminant toxic epidermal necrolysis
Talapatra S.S.1
1South West Health Campus, Bunbury, Australia; 2Sir Charles Gairdner Hospital, Nedlands, Australia

1309 A rare case with Steven-Johnson due to terbinafina
Qerimi D.1
1Regional Hospital Durres, Immunology - Allergology, Durres, Albania

1310 Drug-induced lupus: a case series of 3 patients
Montoiro de Francisco A.M.1, Burgos Pimentel A.M.1, Estrella Aquino D.1, Fonseca Avendaño J.A.1, De Vicente Jiménez T.M.1, Mendoza Piñero A.1, García Luque A.1
1Hospital Central del de Defensa, IMIDEF, Allergy, Madrid, Spain; 2Hospital Central de la Defensa, IMIDEF, Dermatology, Madrid, Spain; 3Hospital Central de la Defensa, IMIDEF, Clinical Pharmacology, Madrid, Spain

1311 Acute generalised exanthematous pustulosis induced by phenytoin use
Anil H.1, Kiral E.2, Harmanci K.1, Çarmant K.B.3, Kocak A.4
1Osmangazi University, Pediatric Allergy and Immunology, Eskisehir, Turkey; 2Osmangazi University, Pediatric Intensive Care Unit, Eskisehir, Turkey; 3Osmangazi University, Pediatric Neurology, Eskisehir, Turkey; 4EAACI, Pediatric Allergy and Immunology, Eskisehir, Turkey

1312 An interesting case of drug allergy that was diagnosed lately as hereditary angioedema
Buhot L.1, Oszeker F.1
1Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

1313 Serum sickness-like reaction from cefaclor
Classen A.1, Dieks J.-K.2, Henneke M.2, Lippert U.1
1University Medical Center, Department of Dermatology, Venerology and Allergy, Goettingen, Germany; 2University Medical Center, Department of Pediatrics and Adolescent Medicine, Goettingen, Germany

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**Poster Session (TPS 43) - Management of drug allergy**

**Chairs:** Ingrid Terrehoehst, The Netherlands
Luciana K. Tanno, Brazil

**1314 Allergic reaction in a patient with Systemic Mastocytosis treated with Cladribine and with Trimethoprim-sulfamethoxazole (TMP-SMZ)***
Ribó P.1, de la Hoz B.1, Berges P.1, Calzada M.P.1, López P.1, Pérez N.1, Solano E.1, Álvarez-Cuesta E.1
1Ramón & Cajal University Hospital, Allergology, Madrid, Spain

1315 Hypersensitivity reaction to filgrastim with tolerance to lenogastim in a patient with severe post-chemotherapy neutropenia
Gutiérrez Fernandez D.1, Foncubierta Fernandez A.2, Moreno Ancillo A.3, Cruz Carmona M.J.3, Miranda Paez A.3, Fernandez Anguita M.J.3
1Hospital Universitario Puerta del Mar, UGC Neurologia-Alergia, Cadiz, Spain; 2Hospital Vall d’Hebron, Barcelona, Spain; 3Hospital Universitario Carlos Haya, Alergología, Málaga, Spain; 4Hospital Universitario Puerta del Mar, UGC Farmacia, Cadiz, Spain

1316 Case of infusion reaction to idursulafase and successful re-administration with desensitisation
Gkavogiannakis N.1, Aggelides X.1, Makris M.1
1Allergy Unit “D. Kalogeromitros”, 2nd Dpt of Dermatology and Venerology, Medical School, University of Athens, Athens, Greece

1317 Rapid desensitisation protocol with etarnecept in a patient presenting an adverse reaction to the drug
Moreno Ancillo A.1, Gutiérrez Fernandez D.1, Foncubierta Fernandez A.2, Cruz Carmona M.J.3, Medina Varo F.3, Fernandez Anguita M.J.3
1Hospital Nuestra Señora del Prado, Alergologia, Talavera de la Reina, Spain; 2Hospital Universitario Puerta del Mar, UGC Neurologia-Alergia, Cadiz, Spain; 3Hospital Vall d’Hebron, Barcelona, Spain; 4Hospital Universitario Puerta del Mar, UGC Aparato Locomotor, Cadiz, Spain; 5Hospital Universitario Puerta del Mar, UGC Farmacia, Cadiz, Spain
1318 **Hypersensitivity to tocilizumab. Desensitisation failed**
Araujo CG,1 Gaig P,1 Dalmau G,1 Poveda M,2 Pascale M,2 López-Matas MA,2 Prat L,1 Gáquez V,1 Journet S,1 Carnés J,2
1Hospital Universitario Joan XXIII, Alergologia, Tarragona, Spain,
2Hospital Universitario Joan XXIII, Reumatologia, Tarragona, Spain,
3Hospital Clinic de Barcelona, Immunologia, Barcelona, Spain,
4Laboratorios Leti, Madrid, Spain,
5Hospital Universitario Joan XXIII, Farmacia, Tarragona, Spain

1319 **A case with omalizumab hypersensitivity reaction**
Köycü Buhari G,1 Öner Erkeköl F,1
1Atatürk Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy Department, Ankara, Turkey

1320 **Cross reactivities between low molecular weight heparins**
Köycü Buhari G,1 Öner Erkeköl F,1
1Atatürk Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy Department, Ankara, Turkey

1321 **Is gadolinium a safe alternative to iodinated contrast agent allergy? A case report**
Yesillik S,1,2 Kartal O,1 Sener O,1 Musabuk U,1 Gulec M,1 Baysan A,1 Demirel F,1 Selcuk A,1
1Guhane Military Medical Academy and Medical School, Division of Immunology and Allergic Diseases, Ankara, Turkey

1322 **A successful desensitisation protocol with aromatase inhibitor letrozole**
Conte M,1 Martelli P1, Villalta DR1
1A.O. “S. Maria degli Angeli”, Laboratory Medicine, Pordenone, Italy

1323 **Importance of allergy assessment before treatment with cetuximab**
Leflivre S,1,2,3 Kanny G,1,2
1EA 7299, Université de Lorraine, Laboratoire d’Hydrologie et Climatologie Médicales, Faculté de Médecine, Vandoeuvre-les-Nancy, France,
2Médecine Interne, Immunologie Clinique et Allergologie – CHU de Nancy, Vandoeuvre-les-Nancy, France,
3Hospitaux Civils de Colmar, UF Allergologie, Colmar, France

1324 **Effective desensitisation to tocilizumab in hypersensitivity reaction to the drug, type not immediate**
Cartellini G,1 Santucci A,1 Lippolis D,1 Mascella F,1 Ballardini G,1
1Rimini Hospital, Internal Medicine, Rimini, Italy

1325 **Successful desensitisation protocol for enzymatic replacement in Pompe disease**
Jimenez EN,1 Fuentes JM,1 González RH,1 Carbajal L2, Zúñiga G1, Orozco-Martínez S3,4 Mendoza DA1
1Instituto Nacional de Pediatría, Allergy, Mexico, Mexico,
2Instituto Nacional de Pediatría, Internal Medicine, Mexico, Mexico,
3Instituto Nacional de Pediatría, Head of Allergy Department, Mexico, Mexico

1326 **Adrenaline infusion pump helps control breakthrough reactions during rituximab desensitisation**
González Medina M1, Cardona Dahl V1, Gomez Duque M1, Moreno Perez N1, Delavalle B1, Labrador Horrillo M1
1Hospital Vall d’Hebron, Barcelona, Spain

1327 **Desensitisation with pyrazinamide in a patient with multidrug-resistant tuberculosis**
Sanchez de la Vega Reynoso P1,2, Ramirez Jimenez F1, García Cruz MD1,2, Camacho Ordóñez N1,3, Ruiz Morales RD1,2, Perez Estrella Z1,2, Flavon R-G1,2, Teran LM1,2
1National Institute of Respiratory Diseases ‘Ismael Cosio Villegas’, Immunogenetics and Allergy, Mexico, Federal District, Mexico

1328 **Successful desensitisation in a case of lenalidomide-induced drug eruption**
Asaf J,1 Horney B,1 Meller S,1 Klossowski N2
1University Hospital Düsseldorf, Medical Faculty, Heinrich-Heine-University, Department of Dermatology, Düsseldorf, Germany,
2University hospital düsseldorf, Department of Dermatology, Düsseldorf, Germany

1329 **Choosing an alternative drug in analgesic allergy**
Demirel F,1 Selcuk A,1 Yesillik S,1 Baysan A,1 Kartal O,1 Gulec M,1 Musabuk U,1 Sener O,1
1Guhane Military Medical School, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey

1330 **Are third generation cephalosporins safe alternatives in patients with penicillin allergy?**
Amaral L1, Carolino F1, Castro E.D3, Cernadas JR2
1Serviço de Imunoalergologia, Centro Hospitalar São João, Porto, Portugal

1331 **Successful desensitisation with adalimumab in a patient with hidradenitis suppurativa**
Foncubierta Fernandez A1, Gutierrez Fernandez D2, Cruz Carmona M2,3,1 Moreno Ancillo A4, Anguita Carazo J4,5,6
1Distrito Sanitario Bahía de Cádiz-La Janda, UGC Joaquin Pece, San Fernando, Spain,
2Hospital Universitario Puerta del Mar, UGC Neumologia-Alergia, Cadiz, Spain,
3Hospital Vall d’Hebron, Barcelona, Spain,
4Hospital Nuestra Señora del Prado, Alergologia, Talavera de la Reina, Spain,
5Complejo Hospitalario de Jaen, Alergologia, Jaen, Spain,
6Hospital Universitario Puerta del Mar, UGC Farmacia, Cadiz, Spain

1332 **Successful desensitisation protocol in a patient with multidrug-resistant tuberculosis**
De Vicente Jimenez T1,2, Montoro A1,3, de Mateo B1,4, Burgos A1,5, Forseca J2
1Hospital Central de la Defensa, Allergology and Clinical Immunology, Madrid, Spain

1333 **Successful desensitisation with adalimumab in a patient with hidradenitis suppurativa**
1Distrito Sanitario Bahía de Cádiz-La Janda, UGC Joaquin Pece, San Fernando, Spain,
2Hospital Universitario Puerta del Mar, UGC Neumologia-Alergia, Cadiz, Spain,
3Hospital Vall d’Hebron, Barcelona, Spain,
4Hospital Nuestra Señora del Prado, Alergologia, Talavera de la Reina, Spain,
5Complejo Hospitalario de Jaen, Alergologia, Jaen, Spain,
6Hospital Universitario Puerta del Mar, UGC Farmacia, Cadiz, Spain

1334 **Are third generation cephalosporins safe alternatives in patients with penicillin allergy?**
Amaral L, Carolino F, Castro E.D, Cernadas J.R
1 Servicio de Imunoalergología, Centro Hospitalar São João, Porto, Portugal

1335 **Successful desensitisation protocol for enzymatic replacement in Pompe disease**
1 Instituto Nacional de Pediatría, Allergy, Mexico, Mexico,
2 Instituto Nacional de Pediatría, Internal Medicine, Mexico, Mexico,
3 Instituto Nacional de Pediatría, Head of Allergy Department, Mexico, Mexico

1336 **Adrenaline infusion pump helps control breakthrough reactions during rituximab desensitisation**
González Medina M, Cardona Dahl V, Gomez Duque M, Moreno Perez N, Delavalle B, Labrador Horrillo M
1 Hospital Vall d’Hebron, Barcelona, Spain
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| **Chairs:** Luis Delgado, Portugal  
Victoria Cardona, Spain |

1333  **Asthma exacerbations after omalizumab treatment discontinuation**  
Budny W.1, Skiepko R.1, Lukaszky M.1, Zielkowski Z.1, Bodzenta-Lukaszyk A.1  
1Medical University of Białystok, Department of Allergology and Internal Medicine, Białystok, Poland

1334  **Might speckle tracking echocardiography be more useful for early assessment of changes in left ventricular function in children with bronchial asthma?**  
Jisk S.1, Demircan T.2, Kuzlica O.2, Çağlayan-Sözmen Ş.1, Ünal N.2, Anal Ö.1, Kir M.2, Karaman O.1, Uzuner N.1  
1Dokuz Eylul University Faculty of Medicine, Pediatric Allergy and Immunology, İzmir, Turkey,  
2Dokuz Eylül University Faculty of Medicine, Pediatric Cardiology, İzmir, Turkey

1335  **Is probiotic administration for asthma relevant, emphasizing the food allergy in asthma patients?**  
Sydorchuk A.1, Sydorchuk L.1, Sydorchuk I.1, Sydorchuk R.1  
1BSMU, Chernivtsi, Ukraine

1336  **Poorly controlled allergic asthma: real-life experience**  
Ricciardi L.1, Arena E.M.1, Genovese C.1, D’Angelo A.G.1, Gambino M.1, Liotta M.1, Saita S.3, Casciaro M.4  
1Allergy and Clinical Immunology Unit University of Messina, Clinical and Experimental Medicine, Messina, Italy,  
2Allergy Unit, Locri (RC), Italy,  
3Clinical and Experimental Medicine Department, Messina, Italy,  
4Allergy and Clinical Immunology Unit University of Messina, Clinical and Experimental Allergy, Messina, Italy

1337  **Clinical effectiveness of montelukast (Singlon®) in the control of mild persistent asthma in children aged 6-14 years**  
Zbarnasek U.1  
1Belorussian Medical Academy of Post-Graduate Education, Minsk, Belarus

1338  **Better quality of life for the ill of bronchial asthma treated with ciclesonide**  
Yakovlev P.1, Vulcheva T.1, Takovska N.1, Komisiecka D.4  
1Tracian University, Medical College, Stara Zagora, Bulgaria,  
2Medical University of Sofia, Sofia, Bulgaria,  
3Consulting Room of Allergology, Blagoevgrad, Bulgaria,  
4Tracian University of Stara Zagora, Department of Psychiatry and Medical Psychology, Stara Zagora, Bulgaria

1339  **Cytokine changes in patients of asthma undergoing Ayurvedic intervention**  
Joshi K.1, Nesari T.2, Dedge A.2, Dhimal V.2, Shengule S.2, Gadgil M.3, Salvi S.4, Valiatham M.V.5  
1Sinhag College of Engineering, Department of Biotechnology, Pune, India,  
2Tilak Ayurved Mahavidyalaya, Pune, India,  
3Sinhag College of Engineering, Pune, India,  
4Chest Research Foundation, Pune, India,  
5Manipal University, Pune, India

1340  **Efficacy of ciclesonide in the treatment patients with asthma exacerbation**  
Zietkowski Z.1, Lukaszky M.1, Skiepko R.1, Budny W.2, Skiepko U.2, Klimek M.3, Bodzenta-Lukaszyk A.1  
1Medical University of Białystok, Department of Allergology and Internal Medicine, Białystok, Poland,  
2Medical University of Białystok, University Hospital in Białystok, Białystok, Poland

1341  **Long-term follow-up outcomes of clinical remission and pulmonary function following early anti-inflammatory therapy for asthma in children under 2 years old**  
1Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatric Allergology, Okayama, Japan,  
2National Hospital Organization Fukuyama Medical Center, Department of Pediatrics, Fukuyama, Japan,  
3Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatrics, Okayama, Japan

1342  **Influence of obesity and overweight in lung function in adult asthmatic patients**  
de Barayazara S.1,2, Bainotti N.1,2, Corella S.1,2, Comaglia S.1,2, Recuero N.1,2, Winchel R.1,2, Zanacchi A.1,2, Sosa S.1,2, Teijeiro A.2,3, Baena-Cagnani C.E.1,2,3  
1San Roque Hospital, Department of Allergology and Immunology, Cordoba, Argentina,  
2Catholic University of Cordoba, CIMER, Cordoba, Argentina,  
3Pediatric Hospital of Cordoba, Respiratory and Allergy Center, Cordoba, Argentina

1343  **Aspirin-exacerbated respiratory disease and pulmonary lymphangioleiomyomatosis: a case report**  
Márquez Hernández D.1,2, Bastidas Parliant J.A.1, Mederos E.1, Hernaez L.1, Mietgo Ballesteros R.1, Fernández Rodríguez C.1  
1Hospital Universitario 12 de Octubre, Allergy, Madrid, Spain,  
2Hospital Universitario 12 de Octubre, Allergy and Immunology, Cordoba, Argentina

1343A  **Case report: therapeutic efficacy of omalizumab in a problematic severe asthmatic child with Kartagener’s syndrome**  
Yasunobu T.1, Mitsuo N.2  
1Sapporo Tokushukai Hospital, Pediatrics and Allergy, Sapporo, Japan,  
2Sapporo Tokushukai Hospital, Pediatrics, Sapporo, Japan

1344  **Gamma globulin replacement – a potential new treatment in uncontrolled asthma associated with humoral immunodeficiency?**  
Tiotu A.1, Martinet Y.1,2  
1CHU Nancy, Nancy, France,  
2Université de Lorraine, Nancy, France

1345  **The critical asthmatic patient: a case report**  
Martins M.1, Goncalves L.1, Inácio F.1, Ribeiro R.1  
1Hospital São Bernardo, Immunology and Allergology, Setúbal, Portugal,  
2Hospital São Bernardo, Intensive Care, Setúbal, Portugal
1346 Sleep study in patients with Samter’s syndrome
Afsar G.C.1, Topalü FM.1, Sarac S.1, Oruc O.1, Guven A.A.1, Duman D.1, Colakoglu B.1
1Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Istanbul, Turkey, 2Istanbul University, Istanbul Faculty of Medicine, Istanbul, Turkey

1347 Development of cold dry air bronchial provocation test for the evaluation of airway hyper-reactivity
Jang T.Y.1, Kim YH.1, Lim DH.2, Kim JH.2
1Inha University College of Medicine, Department of Otorhinolaryngology, Incheon, Republic of Korea, 2Inha University College of Medicine, Department of Pediatrics, Incheon, Republic of Korea

1348 Fold Stability is a key factor for immunogenicity and allergenicity of the major birch pollen allergen Bet v 1.0101
Machado Y.J.1, Mayr M.1, Thalhamer T.1, Steiner M.1, Freier R.1, Brandstetter H.1, Briza P.1, Isakovic A.1, Grutsch S.2, Ahammer L.1, Tollinger M.1, Johnson CM.1, Lackner P.1, Scheibholzer S.1, Thalhamer J.1, Weiss R.1
1University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 2Center for Molecular Biosciences Innsbruck, University of Innsbruck, Innsbruck, Austria

1349 Regulator of Calcineurin 1 (RCAN1) is a potential regulator of sensitivity to anaphylaxis in humans
Esteban V.1, Jensen BM.1, Mendez-Barbero N.1, Larsen LF.1, Redondo JM.1, Kiltfoot L.1, Garvey LH.1, Poulsen LK.1
1Copenhagen University Hospital Gentofte Hospital Laboratory for Medical Allergology, Hellerup, Denmark, 2Centro Nacional de Investigaciones Cardiovasculares (CNIC), Department of Vascular Biology and Inflammation, Madrid, Spain, 3Copenhagen University Hospital Gentofte Hospital, Department of Vascular Surgery, Hellerup, Denmark, 4Copenhagen University Hospital Gentofte Hospital, Department of Anaesthesiology, Hellerup, Denmark

1350 Gauging signal-1 strength: does signal one strength influence the phenotype of human allergen-specific T cells
Candia MR.1, Tauber P.1, Neunkirchner A.1, Trapin D.1, Rosskopf S.1, Steinberger P.1, Campana R.2, Valenta R.2, Pickl W.1
1Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Institute of Immunology, Vienna, Austria, 2Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria

1351 Ligand binding influences the physicochemical properties of the major birch pollen allergen Bet v 1
Arias L.1, Asam C.1, Gilles S.1, Traidl-Hoffmann C.1, Ferreira F.1, Wallner M.1
1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Technische Universität München, Institute of Environmental Medicine, UNIKA-T, Klinikum rechts der Isar, Munich, Germany

1352 Generation of new cassette vectors for the targeted presentation of human-relevant allergens in humanised mouse models
Kratzler B.1, Neunkirchner A.1, Pickl WF.1
1Medical University of Vienna / Center for Pathophysiology, Infectiology and Immunology, Institute of Immunology, Vienna, Austria

1353 Human IgE is efficiently produced in biologically active form in lipopolysaccharides
Plum M.1, Seissmann H.1, Wolf S.1, Banteon F.1, Dam S.1, Lorentzen A.2, Miehe M.1, Jabs F.1, Raiffe-Shamsabadi D.1, Jakob T.1, Spiller E.1
1Aarhus University, Aarhus, Denmark, 2Euroimmun AG, Lubeck, Germany, 3University of Southern Denmark, Odense, Denmark, 4University Medical Center Freiburg, Freiburg, Germany

1354 Mitochondrial ROS activate NLRP3 inflammasome through PI3K-HIF-VEGF pathway in LPS-induced lung inflammation
Kim SR.1, Lee YC.1, Kim HJ.1, Kim SH.2
1Chonbuk National University Medical School, Jeonju, Republic of Korea, 2LG Life Sciences Ltd, Seoul, Republic of Korea

1355 The interaction between mitochondrial ROS and SIRT1 contributes to the pathogenesis of LPS-induced lung inflammation
Lee YC.1, Kim SR.1, Kim HJ.1, Kim SH.2
1Chonbuk National University Medical School, Jeonju, Republic of Korea, 2LG Life Sciences Ltd, Seoul, Republic of Korea

1356 Apical exposure to dietary non-digestible oligosaccharides and bacterial CpG DNA suppresses Th2 type chemokine release by activated intestinal epithelial cells
Overbeek SA.1, Boks M.2, de Jager W.3, Garssen J.1, 4, Willemsen L.1
1Universiteit Utrecht, Utrecht, The Netherlands, 2VUMC, Amsterdam, The Netherlands, 3UMC Utrecht, Utrecht, The Netherlands, 4Nutra Research, Utrecht, The Netherlands

1357 The 2D:4D digit ratio and susceptibility to immunorelated disease
Fernstrand A.M.1, Bury D.1, Lensvelt L.M.H.1, Ribbert L.L.1, de With A.C.1, Goede L.X.Y.1, Garssen J.1, 2, Verster JC.1, 3
1Utrecht University, Division of Pharmacoepidemiology, Utrecht, The Netherlands, 2Nutra Research, Utrecht, The Netherlands, 3Swinburne University, Center for Human Psychopharmacology, Melbourne, Australia

1358 Changes in the immunological properties induced by glycofullerenes and nanohorns
Palomares, Jerez ME.1, Fernandez TD.1, Muñoz A.2, Illescas B.2, Martín N.2, Rodríguez M.J.1, Galindo L.1, Rojo J.3, Torres M.J.1, Mayorga C.1
1Hospital Regional Universitario de Málaga-IBIMA, Laboratorio de Investigación, UGC de Alergología, Málaga, Spain, 2Facultad de Química, Universidad Complutense de Madrid, Departamento de Química Orgánica, Madrid, Spain, 3Instituto de Investigaciones Químicas (IIQ), CSIC-Universidad de Sevilla, Glycosystems Laboratory, Seville, Spain
Hypertonic seawater solutions exhibit anti-inflammatory actions and improve nasal cell function in epithelial cell cultures isolated from an allergic human donor

Alevizopoulos K.1

1Gerolymatos International SA, Kryoneri, Athens, Greece

BAFF (B-cell activating factor) expression in IgG4-related disease

Pizzimenti S.1, Vigilio F.1, Boita M.1, Heffler E.1, Novero D.1, Bucca C.1, Rolla G.1

1University of Torino, Dept Medical Sciences, Torino, Italy

Association of complement factors genetic polymorphisms with post-traumatic stress disorder in Armenian population

Hovhannisyan L.1, Avelyan D.2, Petroyan M.3, Harutyunyan K.3, Musaelian R.2, Boyayan A.2

1Institute of Molecular Biology NAS RA, Laboratory of Human Genomics and Immunomics, Yerevan, Armenia, 2Institute of Molecular Biology NAS RA, Yerevan, Armenia, 3Research Centre Artsakh NKfR, Stepanakert, Armenia

Serum mannose binding level and gene polymorphism in Down syndrome

Kilic S.S.1, Budak F.2

1Uludag University Medical Faculty, Pediatric Immunology, Bursa, Turkey, 2Uludag University Medical Faculty, Immunology, Bursa, Turkey

### Poster Session (TPS 46) - Molecular methods and their epidemiological applications in allergology

**Chairs:** Filippo Fassio, Italy  
Bee Wah Lee, Singapore

**1363** Changes in allergen distribution’s depending on geographical area: an ISAC investigation

Caimmi S.1, De Amici M.1, Marsiglio A.1, Licari A.1, Trovamala V.1, Desmet N.1, Testa G.1, Marsiglio G.L.1

1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy

**1364** Peanut specific IgE value in children with allergic diseases in Russia

Shubaeva A.1, Esakova N.1, Okuneva T.1, Pampura A.1

1Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University., Moskow, Russian Federation

**1365** Cross sectional study for identification of culprit allergens according to the age of Korean atopic dermatitis patients

Kim J.H.1, Lee J.H.1, Jeong K.Y.1, Park K.H.1, Park H.J.1

1Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

**1366** The relationship between total and Ascaris-specific IgE levels in a rural area population in Korea: association with allergic diseases

Lee J.K.1, Kim E.-J.1, Lim H.-S.1, Yoon D.1, Chang W.-S.1, Do J.-H.1, Cho N.-H.2, Cho S.-H.1, Lee J.-S.1

1Korea National Institute of Health, Korea Center for Disease Control and Prevention, Division of Allergy and Chronic Respiratory Diseases, Chungju-si, Republic of Korea, 2Ajou University of Medicine, Department in Preventive Medicine, Suwon, Republic of Korea, 3Seoul National University College of Medicine, Department of Internal Medicine, Seoul, Republic of Korea

**1367** Prevalence of skin prick and IgE positive subjects in the Greater Toronto Area (GTA), Canada

Sadownik T.1, Nelson V.1, Pathmanapan S.1, Patel P.1, Salapatek A.M.1, Courou P.1

1Inflammax Research, Mississauga, Canada, 2Inflammax Research, Research and Development, Mississauga, Canada

Radiolabeling and in vitro evaluation of a recombinant canine anti-cancer IgG

Fazekas J.1, Rami-Mark C.1,2,3, Singer J.1,3, Willmann M.3, Andreas F.3, Wadsak W.1,4, Mitterhauser M.3, Jensen-Jarolim E.1,2

1Institute of Pathophysiology and Allergy Research, Medical University Vienna, Vienna, Austria, 2Messersi Research Institute of the University of Veterinary Medicine, Medical University and University Vienna, Vienna, Austria, 3Division of Nuclear Medicine, Medical University of Vienna, Department of Biomedical Imaging and Image-Guided Therapy, Vienna, Austria, 4Institute of Inorganic Chemistry, University of Vienna, Vienna, Austria, 5University of Veterinary Medicine Vienna, Department for Companion Animals and Horses, Vienna, Austria, 6piChem R&D, Graz, Austria

Analysis of short and longer term variability of nasal vs. breath condensate inflammation markers in healthy individuals

Koppen G.1, Janssens H.1,2, De Prins S.3, Geysen J.1

1Flemish Institute of Technological Research (VITO), Environmental Risk and Health, Mol, Belgium, 2University Antwerp, Intensive Care Unit, Antwerp, Belgium, 3University of Arizona, Division of Pediatric Hematology/Oncology/BMT, Tuson, United States

Availability of an independent two level quality control for in vitro extract-base and molecular-based allergy diagnostics

Vitallia D.1, Da Re M.1, Conte M.1, Martelli P.1

1Allergy and Clinical Immunology, Pordenone, Italy

The importance of external valuation of quality for laboratories

De Amici M.1, Trovamala V.1, Torre C.1, Nigrisoli S.1, Desmet N.1, Testa G.1, Ferrara L.1, Marsiglio G.L.1

1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy

The usefulness of laboratory data in the clinical context

De Amici M.1, Caimmi S.1, Licari A.1, Marsiglio A.1, Trovamala V.1, Montalbano C.1, Ruffinazzi G.1, Nigrisoli S.1, Marsiglio G.L.1

1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy
Accreditation of allergen-specific IgE determination under the EN ISO 15189 standard: a French strategy
Lambert C.1, Sarat A.1, Bienvenu P.1, Brabant S.1, Nicaisse Roland P.1, Alyaniakian M.-A.2, Apoil P.-A.3, Capron C.4, Couderc R.3, Evrand B.1, Jaby D.1, Héomont C.1,1, Lainé C.1,1, Leong M.1,1, Mariotte D.1,1, Martinet J.1,1, Rénier G.1,1, Sainte-Laudy J.1,1, Tabary T.1,1, Treiner E.1,2, Uring-Lambert B.1,2, Vigneron C.2,2, Vivinus M.2,2, Withuhn F.2,2, Vitte J.2,2, AllergoBioNet
1 CHU de Saint-Etienne, Immunology Laboratory, Saint-Loire, France, 2 CHU de Bordeaux, Immunology Laboratory, Bordeaux, France, 3 CHU de Lyon, Immunology Laboratory, Lyon, France, 4 CHRU de Lille, Immunology Laboratory, Lille, France, 5 APHP Hôpital Bichat, Immunology Laboratory, Paris, France, 6 APHP Hôpital Necker - Enfants Malades, Immunology Laboratory, Paris, France, 7 CHU de Toulouse, Hôpital de Rangueil, Immunology Laboratory, Toulouse, France, 8 APHP Hôpital Ambroise Paré, Immunology Laboratory, Boulogne Billancourt, France, 9 AP-HP - Hôpital d’Enfants Armand Trousseau, Biochemistry and Immunology Laboratory, Paris, France, 10 CH U de Saint-Denis, Biochemistry and Immunology Laboratory, Saint-Denis, France, 11 CHU de Nantes, Immunology Laboratory, Nantes, France, 12 CHU de Rennes, Immunology Laboratory, Rennes, France, 13 CH Le Mans, Biochemistry Laboratory, Le Mans, France, 14 CHU de Caen, Immunology Laboratory, Caen, France, 15 CHU de Rouen, Immunology Laboratory, Rouen, France, 16 CHU d’Angers, Immunology Laboratory, Angers, France, 17 CHU de Limoges, Immunology Laboratory, Limoges, France, 18 CHU de Reims, Immunology Laboratory, Reims, France, 19 CHU d’Amiens, Immunology Laboratory, Amiens, France, 20 CHU de Strasbourg, Immunology Laboratory, Strasbourg, France, 21 CHU de Tours, Immunology Laboratory, Tours, France, 22 CHU de Nice, Immunology Laboratory, Nice, France, 23 CHU de Poitiers, Immunology Laboratory, Poitiers, France, 24 Assistance Publique Hôpitaux de Marseille, Immunology Laboratory, Marseille, France, 25 Aix-Marseille University, Marseille Medical School, Marseille, France

In-silico bioinformatics approach for the identification and characterisation of allergens from the Pacific oyster (Crassostrea gigas)
Nugraha R.1,2, Zeneger K.2, Kamath S.D.1,2,3, Lopata A.L.1,2
1 James Cook University, Centre for Biodiversity and Molecular Development of Therapeutics, Townsville, Australia, 2 James Cook University, Molecular Immunology Group, Townsville, Australia, 3 James Cook University, College of Marine & Environmental Sciences, Townsville, Australia

Identification of the major allergens of hymenoptera venom through mass spectroscopic techniques and sequence matching
Hutchings J.W.1, Mwance J.D.1, Starchenka S.1, Hewings S.J.1,2, Skinner M.A.1, 3 Allergy Therapeutics Plc, Worthing, United Kingdom

Use of filter disks or sinus packs for single and repeated measurement of total and house dust mite specific IgE in nasal secretions
Bering M.1, De Ruuck N.1, Holtappe G.1, Bachert C.1,2, Gevaert P.1, 1 Ghent University, Upper Airway Research Laboratory, Ghent, Belgium, 2 Karolinska Institutet, Division of ENT Diseases, Clincet, Sweden

The analysis of the whole genom expression profiles in peripheral and bone marrow blood of mastocytosis patients
Niedoszytko M.1, Gorska A.1, Jassem E.1, Jassem E.1, van der Vlies P.1, Gruchała-Niedoszytko M.1, Oude Elberink H.4, 1 Medical University of Gdańsk, Department of Allergology, Gdańsk, Poland, 2 Medical University of Gdańsk, Department of Oncology and Radiotherapy, Gdańsk, Poland, 3 Medical University of Gdańsk, Department of Forensic Medicine, Gdańsk, Poland, 4 Medical University of Gdańsk, Department of Pneumonology, Gdańsk, Poland

Use of filter disks or sinus packs for single and repeated measurement of total and house dust mite specific IgE in nasal secretions
Bering M.1, De Ruuck N.1, Holtappe G.1, Bachert C.1,2, Gevaert P.1, 1 Ghent University, Upper Airway Research Laboratory, Ghent, Belgium, 2 Karolinska Institutet, Division of ENT Diseases, Clincet, Sweden

Biological standardisation of Ambrosia eliator allergen extract to determine the biological activity in HEP units
Riffelmann F.1, Sager A.1, Nieto E.1, Erbli L.2, 1 Fachkrankenhaus Kloster Graafschaft, Schmallenberg, Germany, 2 LETI Pharma GmbH, Witten, Germany, 3 Laboratoriios LETI, S.L., Madrid, Spain

A comprehensive analysis of natural and recombinant allergens from banana prawn (Fenneropenaeus merguiensis) using proteomics, for improved allergy diagnostics
Waltenspiel B.1,2, Kamath S.D.1,2,3, Koebert M.1,2, Saptarshi S.R.1,2, Rolland J.M.4, O’Hehir R.E.4, Lopata A.L.1,2,3, 1 James Cook University, Centre for Biodiversity and Molecular Development of Therapeutics, Townsville, Australia, 2 James Cook University, Molecular Immunology Group, Townsville, Australia, 3 Australian Institute of Tropical Health and Medicine, Townsville, Australia, 4 The Alfred Hospital & Monash University, Department of Allergy, Immunology and Respiratory Medicine, Melbourne, Australia

Study of the changes of lipid composition of red blood cell membranes in patients with atopy
Djaibekova G.1, Ismailova E.2, 1 Specialized Therapy Centre, Allergology and Immunology, Tashkent, Uzbekistan, 2 Tashkent Pediatric Medical University, Medical, Tashkent, Uzbekistan

Breastfeeding is effective in crying infants during skin prick testing
Bostanci I.1, Corut N.1, Senel G.1, Ozmen S.1, Dr Sami Ulus, Department of Pediatric Immunology and Allergy, Ankara, Turkey

Gene expression profile assessment using RT-PCR in patients with mastocytosis
Górsk A.1, Niedoszytko M.1, Chelmirńska M.1, Skrzypski M.2, Maciejewska A.1, Pawlowski R.1, Slomiński J.1, Jassem E.1, 1 Medical University of Gdańsk, Department of Allergology, Gdańsk, Poland, 2 Medical University of Gdańsk, Department of Oncology and Radiotherapy, Gdańsk, Poland, 3 Medical University of Gdańsk, Department of Forensic Medicine, Gdańsk, Poland, 4 Medical University of Gdańsk, Department of Pneumonology, Gdańsk, Poland

Posters
Poster Session (TPS 47) - Epidemiology and treatment of rhinitis and conjunctivitis

Chairs: Claus Bachert, Belgium
Kees van Drunen, The Netherlands

1382 Comparison of self-reported allergic rhinoconjunctivitis, rhinitis symptoms and nasal polyps between Finland, Sweden, and Estonia
Pallasaho P.1, Kainu A.2, Sovijärvi A.3,4, Lundbäck B.5
1Finnish Institute of Occupational Health, Helsinki, Finland, 2HUCH, Heart and Lung Center, Vantaa, Finland, 3HUCH, Medical Imaging Center, Helsinki, Finland, 4Helsinki University, Helsinki, Finland, 5Krefting Research Centre, Gothenburg, Sweden

1383 Exhaled nitric oxide in adolescence in relation to rhinitis symptoms 15 years later
Malinovschi A.1, Janson C.1,2, Kalm-Stephens P.2, Nordvall L.2, Alving K.1
1Uppsala University, Medical Sciences, Uppsala, Sweden, 2Uppsala University, Women’s and Children’s Health, Uppsala, Sweden

1384 High clinical relevance of positive skin prick test to ambrosia in subjects from the Leipzig Research Center for Civilisation Diseases
Treudler R.1,2, Webser J.1,2, Pichler-Chasewoot K.2, Schütze N.3, Engel C.3,4, Simon J.C.1,2
1Universität Leipzig, Dpt. of Dermatology, Venerology and Allergology, Leipzig, Germany, 2Universität Leipzig, Leipzig Research Center for Civilisation Diseases, Leipzig, Germany, 3Universität Leipzig, IMISE, Leipzig, Germany

1385 Frequency, intensity and impact of ocular symptoms in allergic rhinitis: FIRE study
Maigret P.1, Fontaine J.F.2, Elias Biloon J.1, Allaert F.3
1Menarini, Medical Management, Rungis, France, 2Cabinet d’Allergologie, Reims, France, 3Chair for Medical Evaluation, Dpt Biostatistics, Dijon, France

1386 Severe allergic rhinitis is associated with the use of emergency care
Sako T.1, Kaugp P.1, Peura S.2, Salimäki J.3, Maasila P.3
1Helsinki University Central Hospital, Respiratory Diseases and Allergology, Helsinki, Finland, 2Association of Finnish Pharmacies, Helsinki, Finland, 3Helsinki University Central Hospital, Meilahti Triangle Hospital, Helsinki, Finland

1387 Prevalence of allergic rhinitis in 3-6-year-old children in Chiba city (urban area), Japan
Yamaide F.1, Inoue Y.1, Okamoto Y.2, Shimojo N.1
1Graduate School of Medicine, Chiba University, Department of Pediatrics, Chiba, Japan, 2Graduate School of Medicine, Chiba University, Department of Otorhinolaryngology and Head and Neck Surgery, Chiba, Japan

1388 Antihistamines and driving ability: evidence from 30 years Dutch on-road driving research
Verster J.C.1,2, van de Loo A.J.A.E.1,2, Carssen J.1,3
1Utrecht University, Division of Pharmacology, Utrecht, The Netherlands, 2Swinburne University, Center for Human Psychopharmacology, Melbourne, Australia, 3Nutricia Research, Utrecht, The Netherlands

1389 Epidemiology of vernal keratoconjunctivitis in a Spanish pediatric population
Villakín García A.L.1, Alarcón Tomás M.2, Vásquez Bautista A.A.1, Rodríguez Cabreros M.1, Martín Carnbero R.2, Rodríguez Mosquera M.1
1Hospital Universitario Puerta de Hierro de Majadahonda, Allergy, Madrid, Spain, 2Hospital Universitario Puerta de Hierro de Majadahonda, Pediatric Ophthalmology, Madrid, Spain

1390 Subclinical keratoconus associated with vernal keratoconjunctivitis: a case report
Asik Nacaroglu S.1, Onur I.U.1, Ozbas M.1, Yigit F.U.1
1Baikeroy Dr. Sadi Konuk Training and Research Hospital, Ophthalmology, Istanbul, Turkey

1391 Staphylococcus aureus enterotoxin B induces airway epithelial barrier dysfunction in vitro
Steesiant B.1, Lin F.1, Zhang N.1, Seyes S.1, Korteekaas Krohn L.1, Ceuppens J.J.1, Bachert C.2, Akdis C.3, Hollings P.W.1
1KU Leuven, Clinical Immunology, Leuven, Belgium, 2U Gent, Upper Airway Research Laboratory, Ghent, Belgium, 3University of Zurich Hospital, Swiss Institute of Allergy and Asthma Research, Davos, Switzerland

1392 Local exercise-induced inflammatory response in upper airways is attenuated in professional athletes
Kurowski M.1, Jurczyk J.1, Olszewska-Ziąber A.1, Jarzębska M.1, Krysztowiak H.2, Kowalski M.L.1
1Medical University of Lodz, Department of Immunology, Rheumatology and Allergy; Healthy Ageing Research Centre, Lodz, Poland, 2COMS National Centre for Sports Medicine, Warsaw, Poland

1393 A retrospective case series of 100 patients with fungal rhinosinusitis in a tropical country, India
Samaya S.M.1
1St. John’s Hospital, ENT, Bangalore, India

1394 Immune reactivity in allergic rhinosinusitis in association with its pathogenetic form
Smirnova S.V.1, Kolenchukova O.A.1, Lapteva A.M.1, Tereshchenko S.V.1
1Scientific Research Institute of Medical Problems of the North, Krasnoyarsk, Russian Federation

A nasally applied cellulose powder in seasonal allergic rhinitis (SAR) in adults with grass pollen allergy, Supplementary analyses of reduction of severity and duration of symptoms
Abega N.1, Emberlin J.2
1University of Gothenburg, Dept of Pediatrics, Askim, Sweden, 2Allergy UK, Kent, United Kingdom

1396 Validation interobserver of clinical score in nasal challenge with lysine-aspirin (L-asa) for diagnosis of aspirin exacerbated respiratory disease (AERD)
Ramos-Jimenez F.1, Flavón-Romero G.P.2, García-Cruz ML.1, Sanchez de la Vega-Reynoso P.1, Camacho-Ordoñez N.1, Ruiz-Morales R.D.1, Pérez-Estrella Z.1, Terán L.M.1
1INER, Immunogenetics & Allergy, Mexico City, Mexico
1405 Description of a new cockroach allergen revealed with serum patients from Iran

Tefloori E.1,2, Postigo I.1, Gutierrez-Rodriguez A.1, Suhén E.1, Martínez J.1
1University of the Basque Country, Laboratory of Parasitology and Allergy, Center for Research Lascaray and Department of Immunology, Microbiology and Parasitology, Faculty of Pharmacy, Vitoria-Gasteiz, Spain, 2Tarbiat Modares University, Department of Mycology, Faculty of Medical Sciences, Tehran, Islamic Republic of Iran

1406 Implementation of a 3D-coculture model for the evaluation of sensitizing effects of chemicals

Chary A.1,2, Serchi T.1, Gutleb A.C.1, Blomeke B.2
1Luxembourg Institute of Science and Technology (LIST), Esch/Alzette, Luxembourg, 2University of Trier, Trier, Germany

1407 Identification and characterisation of polcalcin from Salsola kali

Peñalver M.1, Pedreño Y.1, Sola J.P.1, Cerezo A.1, Orts L.1
1Probielo Pharma S.A., Murcia, Spain

1408 Cloning and characterisation of Alt a 15, a novel cross-reactive allergen from Alternaria alternata

Gabriel M.1,2, Postigo I.1, Gutierrez-Rodriguez A.1, Suhén E.1, Guisantes J.A.1, Fernández J.1, Tomaz C.2, Martínez J.1
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1409 High-throughput screening of T7 phage display and protein microarrays to complete allergenic protein panels from olive pollen and yellow mustard seeds

San Segundo-Acosta P.1, Garranzo-Asernio M.1, Martín-Pedraza L.1, López-Rodríguez J.C.1, Abián-Sanz S.1, Batanero E.1, Rodríguez R.1, Villalba M.1, B Barderas R.1
1Complutense University of Madrid, Biochemistry and Molecular Biology I, Madrid, Spain


The mite allergen Blo t 2 is expressed with a signal peptide as a complex mixture of isoforms in Blomia tropicalis

Urrutia J. 1,2, Ponte J. 3, Wallner M. 1, Alcântara-Neves N. 1, Pinheiro C. 2, Briza P. 4, Ferreira-Briza F. 4

1University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 2Federal University of Bahia, Instituto de Ciências da Saúde, Salvador, Brazil

Sensitisation phenotypes based on protein-groups and associations to allergic diseases in children; new perspectives of component resolved diagnostics

Schoos A.-M.M. 1, 2, Kattan J.D. 1, Gimenez G. 3, Sampson H.A. 1

1Division of Allergy and Immunology, Department of Pediatrics, Jaffe Food Allergy Institute, Icahn School of Medicine at Mount Sinai, New York, United States, 2Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte Hospital, University of Copenhagen, Gentofte, Denmark

What is the impact of genetic transformation on wheat allergenicity?

Lupi R. 1, Masci S. 2, Pineau F. 1, Deshayes G. 1, Tranquet O. 1, Moneret-Vautrin D.A. 1, Denery-Papini S. 1, Larré C. 1

1INRA, Nantes, France, 2University of Tuscia, Viterbe, Italy

Safety and tolerability of immunotherapy in patients sensitised to Ole e 7 minor allergen of olive pollen

De Luque Piñana V. 1, Bellido Linares V. 1, Rubioano Sosa C. 1, Alcaraz Perez C. 1, Lopez Ruiz C. 1, Guardia Martinez P. 1

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Tolerance of administration of sublingual extract peach immunotherapy, compared with conventional regimen

de Luque Piñana V. 1, Lopez Ruiz C. 1, Gonzalez Montaño M.D. 1, de la Calle Toral A. 1, Guardia Martinez P. 1

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1422 Adrenaline auto injector experience of children receiving immunotherapy in a single centre
Bostanci I.1, Erdem Bahceci S.1, Sumber O.1, Karaman S.1, Unsal Karkinier C.S.1, Dogan D.1, Asilsoy S.2, Altinoz S.1, Gunay I.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey, 2Dokuz Eylul University Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

1423 The usefulness of immunotherapy
Licari A.1, De Amicis M.1, Marsegla A.1, Caimmi S.1, Caimmi D.2, Trovamala V.1, Madè A.1, Torre C.1, Desmet N.1, Marsegla G.L.1
1Foundation IRCCS Policlinico San Matteo, Department of Pediatrics, Pavia, Italy, 2CHRU de Montpellier, Allergy Unit and Cystic fibrosis Center, Montpellier, France

1424 Risk factors for systemic and local reactions to subcutaneous allergen immunotherapy
Nacaroglu H.T.1, Erdem Bahceci S.1, Sumber O.1, Karaman S.1, Unsal Karkinier C.S.1, Dogan D.1, Asilsoy S.2, Altinoz S.1, Gunay I.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey, 2Dokuz Eylul University Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

1425 Safety evaluation of immunotherapy using high doses of polymerised allergen extracts
Guzmán-Fulgencio M.1, Caballero R.1, Lara B.1, Mena M.1, Subiza J.L.2, Fernandez-Caldas E.2, Casanovas M.1
1Inmunotek S.L, Madrid, Spain, 2Inmunotek S.L, Madrid, Spain

1426 51 systemic reactions in 15 year follow up after subcutaneous immunotherapy injections
Erdem Bahceci S.1, Karaman S.1, Nacaroglu H.T.1, Unsal Karkinier C.S.1, Gunay I.1, Asilsoy S.2, Altinoz S.1, Dogan D.1, Can D.1
1Dr Behcet Uz Children’s Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey, 2Dokuz Eylul University Hospital, Division of Pediatric Immunology and Allergy, Izmir, Turkey

1427 Repeated dose toxicity studies with vaccines containing natural allergenic extracts
Gomez M.1, Ponte A.1, Landeta A.1, Madariaga B.1, Asturias J.1, Martinez A.1
1Bial-Aristegui, R&D Department, Zamudio, Spain

1428 Safety of immunotherapy treatments containing mixtures at optimal doses of each modified allergen extract
Caballero R.1, Lara B.1, Guzmán-Fulgencio M.1, Mena M.1, Subiza J.L.2, Fernandez-Caldas E.2, Casanovas M.1
1Inmunotek S.L, Madrid, Spain

1429 Safety of a cluster-immunotherapy with a depot allergoid in patients with allergic rhinitis against grasses
Monzón Ballarín S.1, Pérez Cinto N.2, Montijano Sanchez R.1, Cruz M.1
1Consorcio Aragonés de Salud, Ejea-Tarazona, Consulta de Allergia, Zaragoza, Spain, 2Consorcio Aragonés de Salud, Centro Cinco Villas, Consulta de Allergia, Ejea de los Caballeros, Zaragoza, Spain

1430 Single center pilot study of small amount induction oral immunotherapy to persistent severe milk allergy
Yanagida N.1, Sato S.2, Nakamura K.1, Okada Y.1, Asuma T.1, Ogura K.1, Ebisawa M.2
1Sagamihara National Hospital, Kanagawa, Japan, 2Sagamihara National Hospital, Clinical Research Center for Allergy and Rheumatology, Kanagawa, Japan

1431 Oral induction of tolerance to Rosacea if dual sensitisation of PR-10 and LTP
Bradatan E.1, Vandesande L.M.1, Van der Brempt X.2
1Centre Hospitalier Regional, Pediatrics, Namur, Belgium, 2Allergopôle, Clinique Saint-Luc, Namur, Belgium

1432 Oral immunotherapy (OIT) with egg white: immunological changes
Pereira M.J.1, Lizaso M.T.1, Arroabarren E.1, Echechpia S.1, García B.E.1, Tabar A.1
1Complejo Hospitalario de Navarra, Allergy Department, Pamplona, Spain

1433 Oral allergy syndrome recurring in the first year of allergen specific immunotherapy
Dumitrescu N.V.1, Cretu I.D.1, Tudose A.M.1, Albert K.1
1Clinical Hospital ‘Nicolea Malaxa’, Bucharest, Romania

1434 Dominancy of Staphylococcus spp. in the skin of atopic dermatitis patients compared to healthy subjects through metagenomic analysis
Kim M.-H.1, Rho M.F.1, Min T.-K.1, Cho Y.-J.1, Pyun B.Y.2, Kim Y.-K.1
1Ewha Womans University Medical Center, Seoul, Republic of Korea, 2Hanyang University College of Medicine, Computer Engineering, Seoul, Republic of Korea, 3Sungkyunkwan University College of Medicine, Pediatrics, Seoul, Republic of Korea, 4Ewha Womans University Medical Center, Internal Medicine, Seoul, Republic of Korea, 5Ewha Womans University Medical Center, Ewha Institute of Convergence Medicine, Seoul, Republic of Korea

1435 The effect of airborne toluene on skin barrier function in atopic dermatitis
1Sungae General Hospital, Pediatrics, Seoul, Republic of Korea, 2Samsung Medical Center, Pediatrics, Seoul, Republic of Korea, 3Samsung Medical Center, Environmental Health Center for Atopic Diseases, Seoul, Republic of Korea, 4Samsung Biomedical Research Institute, Seoul, Republic of Korea
1436 Interaction between mold exposure and IL13 polymorphism increases the risk for atopic dermatitis in atopic children through down-regulation of skin barrier protein
Shim J.Y.1, Kang M.-J.2, Kim H.K.2, Hong S.-J.3, The Group of Allergic Disease Standardization
1Sungkyunkwan University School of Medicine, Pediatrics, Seoul, Republic of Korea, 2Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 3Asan Medical Center, University of Ulsan College of Medicine, Pediatrics, Seoul, Republic of Korea

1437 Chromosome 11q13.5 variant as a risk factor for atopic dermatitis in Polish children population
Dębinska A.1, Danielewicz H.1, Drabik-Chamerska A.1, Kalita D.1, Boznarski A.1
1Wrocław Medical University, 1st Department and Clinic of Paediatrics, Allergology and Cardiology, Wrocław, Poland

1438 Estimation of efficiency of polyvinylimine complexes used for children having atopic dermatitis
Rebuts T.1
1Grodno State Medical University, Grodno, Belarus

1439 A rare exacerbatior of atopic dermatitis: chicken allergy in an infant
Yavuz S.T.1, Koc O.2, Selcuk A.3, Gülec M.3, Gök F.3
1GATA School of Medicine, Ankara, Turkey, 2GATA School of Medicine, Department of Pediatrics, Ankara, Turkey, 3GATA School of Medicine, Department of Adult Allergy and Immunology, Ankara, Turkey

1440 Symbiotic adjuvant therapy in atopic dermatitis
Rial Prado M.J.1, López Rico R.1, Parra Arrondo A.1, Pérez Quintero O.1, Mejide Calderón A.1
1CHUAC, Allergy and Clinical Immunology, A Coruña, Spain

1440A The clinical experience of intravenous immunoglobulin in severe atopic dermatitis
Lee J.-H.1, Kang H.-J.2, Jwa H.-J.1
1Chungnam National University, Pediatric, College of Medicine, Taejeon, Korea, Republic of Korea

1441 IgE – antibodies to the yeast’s Malassezia spp and Mn superoxide dismutase in patients with atopic dermatitis is a hallmark of severity of AD and polysensitisation
Turzypova E.1
1Mechnikov’s Research Institute, Clinical Allergology Department, Moscow, Russian Federation

1441A Allergic skin conditions and negative affectivity: when mind and skin interact
Crivellaro M.A.1, Parolo A.1, Costantin C.1
1Azienda Ospedaliera di Padova, Medicina del Lavoro, Padua, Italy

1442 Sensitisation to soy allergens in children with atopic dermatitis
Cudowska B.1, Marcinikiewicz S.2, Kaczmarzski M.1
1Medical University of Białystok, Dept of Pediatrics, Gastroenterology, Allergology, Białystok, Poland, 2Medical University of Białystok, Dept of Developmental Medicine and Pediatric Nursing, Białystok, Poland

1443 Controlled exposure to grass pollen in an environmental challenge chamber induces a worsening of cutaneous symptoms in patients with atopic dermatitis
Herruzadeh A.1, Badorreik P.1, Kapp A.1, Niebuhr M.1, Roesner L.M.1, Karch A.1, Erpenbeck V.J.1, Loesche C.1, Jung T.1, Krug N.2, Hohlfeld JM.1, Werfel T.1
1Hannover Medical School, Division of Immunodermatology and Allergy Research, Department of Dermatology and Allergy, Hannover, Germany, 2Fraunhofer Institute for Toxicology and Exp. Medicine, Hannover, Germany, 3Hannover Medical School, Institute for Biostatistics, Hannover, Germany, 4Novartis Pharma AG, Basel, Switzerland

1444 Phenotypes of atopic dermatitis in school children are associated with allergic march
Lee E.1,2, Lee S.H.2, Kwon J.-W.1, Yu H.-S.2, Kang M.-J.1, Yang S.-I.1, Kim H.Y.1, Seo J.-H.1, Kim B.-J.1, Kim H.B.1, Lee S.Y.1, Kwon H.-J.1, Hong S.-J.1
1Childhood Asthma Atopy Center, Research Center for Standardization of Allergic Diseases, Asan Medical Center, University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 2College of Medicine, Ulsan University, Asan Medical Center, Seoul, Republic of Korea, 3Seoul National University Bundang Hospital, Seong Nam, Republic of Korea, 4Pusan National University Yangsan Hospital, Yangsan, Republic of Korea, 5Korea Cancer Center Hospital, Seoul, Republic of Korea, 6Inje University Haeundae Paik Hospital, Inje University College of Medicine, Pusan, Republic of Korea, 7Sanggye Paik Hospital, Inje University College of Medicine, Seoul, Republic of Korea, 8Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Anyang, Republic of Korea, 9Dankook University College of Medicine, Cheonan, Republic of Korea

1445 Analysys of total and specific IgE against dermatophagoides pteronissinus and interleukin-4 in patients with atopic eczema
Pmiavoric B.1, Bego T.2, Malenica M.2, Djurić T.2
1General Hospital, Internal Medicine, Tešanj, Bosnia and Herzegovina, 2Faculty of Pharmacy, Sarajevo, Bosnia and Herzegovina

1446 Center of dermatology and veneorology
Mavlyanova S.1, Munönova S.1
1Center of Dermatology and Veneorology, Ministry of Health, Tashkent, Uzbekistan

1447 Atopic eczema and/or occupational contact dermatitis-case report
Chiriac A.E.1, Pinteala T.1, Foia L.1, Chiriac A.2, Deleanu D.3
1University of Medicine and Pharmacy Gr T Popa, Iasi, Romania, 2Apolonia University, Dermatology, Iasi, Romania, 3University of Medicine and Pharmacy ‘I Hatieganu’ Cluj, Cluj, Romania

1448 Inflammatory cytokines balance and correlation with total IgE level in the patients with atopic dermatitis
Hamad M.A.1, Mitskevich N.2, Machavariani K.3
1Petre Shotadze Tbilisi Medical Academy, Tbilisi, Georgia, 2Ivane Javakhiishvili Tbilisi State University, Department of Immunology and Microbiology, Tbilisi, Georgia, 3Tbilisi State Medical University, Department of Allergy and Clinical Immunology, Tbilisi, Georgia
The effects of intramuscular injection of autologous immunoglobulin on clinical severity and serum IgE concentration in patients with atopic dermatitis
1Ajou University School of Medicine, Department of Allergy and Clinical Immunology, Suwon, Republic of Korea, 2Yonsei-Ajou Pediatric Clinic, Gwangju-Si, Republic of Korea

Features of immunological and microbiological characteristics of clinic course in patients with atopic dermatitis
Maryvano S.1, Gulyamova G.S.1, Muminova S.R.1, Muminova E.V.1, Teshabaeva D.A.1
1Research Medical Center Dermatology and Venerology, Tashkent, Uzbekistan

Correlation of clinical history in patients with chronic spontaneous urticaria (CSU) and diagnostic tests for inducible urticarias
Amaya E.1, Acevedo A.M.1, Celis A.M.1, Caraballo D.1, Cardona R.1, Sanchez J.1
1University of Antioquia, Medellin, Colombia

Effect of omalizumab over a 6-month treatment period on angioedema and quality of life associated with refractory chronic idiopathic/spontaneous urticaria (CIU/CSU): subgroup analyses focused on the presence of baseline angioedema
Maurer M.1, Spector S.1, Bernstein J.3, Gabriel S.4, Karagiannis T.4, Kianfarid F.4, Mendelson M.4
1Charité Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 2UCLA Medical Center, Division of Clinical Allergy and Immunology, Los Angeles, United States, 3University of Cincinnati, Allergy Section, Division of Immunology, Department of Internal Medicine, College of Medicine, Cincinnati, United States, 4Novartis Pharmaceuticals Corporation, East Hanover, United States

ASSURE-CSU, burden of illness study in CSU patients: demographics and clinical characteristics from UK, Canada and Germany
Weller K.1, Grattan C.1, Hollis K.1, McBride D.1, Radder C.1, Balp M.-M.1, Tian H.1, Chapman-Rotho N.1, Chiva-Razavi S.1, Halliday A.1, Sussmann G.1, Naonechnia A.1
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Chronic urticaria and angioedema – a retrospective analysis of treatment with high dose antihistamines in a tertiary centre
van den Elzen M.1, van Os-Medendorp H.1, Laheij-de Boer A.-M.1, Rückmann H.1, Brujinzeel-Koomen C.A.F.M.1, Knuist A.C.1
1UMC Utrecht, Dermatology/Allergology, Utrecht, The Netherlands

The role of blastocystis hominis in acute/chronic urticaria and pruritus
Karabiber E.1, Özdemir E.1, Karakaya G.1, Kalyoncu A.F.1
1Hacettepe University Medical Faculty, Allergy and Immunology, Ankara, Turkey

Icatibant treatment for non-histaminergic angioedema acute attacks in two emergency hospital departments
Martinez Virto A.M.1, Jacob J.2, Rivera Nuñez A.2, Carrizosa M.2, Torres Santos-Olmo R.2, Quintana Diaz M.2
1Hospital Universitario La Paz, Madrid, Spain, 2Hospital Universitari de Bellvitge, L’Hospitalet de Llobregat, Spain

Plasmapheresis as a choice of treatment for patients with severe chronic spontaneous urticaria
Zienakie E.1, Stankieviciute R.1, Chomiciene A.1, Blaziene A.1, Griskevicius A.1, Audzijoniene J.1
1Vilnius University Hospital Santariskiu Klinikos, Vilnius, Lithuania

Omalizumab in chronic spontaneous urticaria: initial experience from a specialised centre in São Paulo, Brazil
Ensina L.1,2, Machado L.M.O.1, Andrade D.M.1, de Lacerda A.E.1, Camelo-Nunes C.I.1,2, Solé D.1
1Federal University of Sao Paulo, Allergy, Immunology and Rheumatology, Sao Paulo, Brazil, 2University of Santo Amaro, Allergy and Clinical Immunology Sao Paulo, Sao Paulo, Brazil

‘Internal disease pattern’ in patients with chronic urticaria
Voronova M.1, Kalyoncu A.F.1, Bodnya O.2
1State Hospital №52, Allergy, Moscow, Russian Federation, 2Russian Medical Academy of Postgraduate Education, Allergy, Moscow, Russian Federation

Environmental factors in inducible urticaria
Celis A.M.1, Amaya E.1, Acevedo A.M.1, Caraballo D.1, Cardona R.1, Sanchez J.1
1University of Antioquia, Medellin, Colombia

Hair loss in patients with chronic spontaneous urticaria treated with omalizumab: an under- reported, transient side effect?
Chisti A.G.1, Konstantinou G.N.1
1424 General Military Training Hospital, Department of Allergy and Clinical Immunology, Thessaloniki, Greece
1461 Recurrent angioedema due to acquired C1 inhibitor deficiency with late onset and good response to attenuated androgens
Lerou PM, 1,2
1Colentina Clinical Hospital, Bucharest, Romania, 2Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest, Romania

1462 A case of Hypocomplementemic urticarial vasculitis syndrome (HUVS) with high serum IgG4 immunoglobulins: a steroid-free clinical management
Tonini C, 1 Cognigni M, 1 Marinangeli L, 1 Marchionni A, 1 Selli M, 1 Zoli A. 2
1Università Politecnica delle Marche, Servizio di Immunologia Clinica e Tipizzazione Tissutale, Ancona, Italy, 2Ospedali Riuniti Ancona, Servizio di Immunologia Clinica e Tipizzazione Tissutale, Ancona, Italy

1463 Omalizumab in the treatment of chronic spontaneous urticaria in 9-year-old boy with diabetes mellitus
Jesenák M, 1,2 Banovcin P, 1 Petrovicova O, 1 Ciljakova M. 1
1Jessenius Faculty of Medicine, Comenius University in Bratislava, Department of Paediatrics, Center for Diagnosis and Treatment of Primary Immunodeficiencies, Martin, Slovakia, 2Department of Pulmonology and Phthisiology, Jessenius Faculty of Medicine, Comenius University in Bratislava, Martin, Slovakia

1464 Montelucast in the treatment of chronic spontaneous urticaria: management and quality of life
Davidovskaya A, 1,2 Ruzanau D. 1
1Belarusian Medical Academy of Postgraduate Education, Minsk, Belarus, 2Gomel State Medical University, Gomel, Belarus

1465 Atopy and autoimmunity. Risk factors in the chronic spontaneous urticaria?
Arevedo A, 1 Celis A, 1 Amaya E, 1 Cardona R, 1 Sanchez J. 1
1University of Antioquia, Medellin, Colombia

1466 Coagulation and fibrinolytic parameters in patients hospitalised due to acquired angioedema
Lukaszyk M, 1 Lukaszyk E, 1 Budny W, 1 Skiejko R, 1 Zietkowicz Z, 1 Bodzentu - Lukaszyk A. 1
1Medical University of Białystok, Department of Allergology and Internal Medicine, Białystok, Poland

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**Poster Session (TPS 52) - Food allergy - epidemiology**

**Chairs:** Michael Levin, South Africa
Jamie Sanchez, Spain

1467 New allergens associated to severe symptoms of the tomato-allergic patients
González M, 1 Martín-Pedraza L, 2 Villalba M, 2 Somoza M, 2 Blanca-López N, 2 Perez D, 2 Canto G, 2 Torres M, 2, 3 Molina A, 1 Rodríguez R, 2 Blanca M, 2 Mayorga C. 2
1IBIMA, Málaga, Spain, 2University Complutense Madrid, Biochemistry and Molecular Biology Department, Madrid, Spain, 3Infanta Leonor Hospital, Allergy Service, Madrid, Spain

1468 Prevalence of skin sensitisation to food panallergens (prolin and LTP) in adult patients from Madrid, Spain
Ramos T, 1 Vega F, 1 De Sousa D, 1 Muñica V, 1 Blanco C. 1
1Hospital Universitario de La Princesa, Allergy Department, Madrid, Spain

1469 Food hypersensitivity phenotypes among Swedish schoolchildren reporting partial avoidance of milk
Winberg A, 1 West CE, 1 Strinnholm Å, 1 Nordström L, 1 Hedman L, 1 Rönmark E, 2
1Opt of Clinical Sciences, Pediatrics, Umeå University, Umeå, Sweden, 2Umeå University, Public Health and Clinical Medicine, the OLIN Unit, Umeå, Sweden

1470 Eosinophilic esophagitis and allergy: evaluation of 50 Portuguese patients and comparison between paediatric and adult age
Marcelino JL, 1 Aquir R, 1 Duarte F, 1 Costa A, 1 Pereira-Barbosa MA, 1
1Hospital de Santa Maria, CHLN, EPE, Immunology Department, Lisbon, Portugal

1471 Fish and shellfish allergy: an in-depth investigation of adults in the UK
Moonesinghe H, 1 Mackenzie H, 1 Chin YT, 2 Skyplpa I, 2 Dean T, 1,4 Turner P, 1 Venter C, 1,4
1University of Portsmouth, Portsmouth, United Kingdom, 2University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom, 3Royal Brompton and Harefield Hospital NHS Foundation Trust, London, United Kingdom, 4David Hide Asthma and Allergy Research Centre, Isle of Wight, United Kingdom, 5Imperial College London, Paediatrics (Allergy & Immunology) and MRC & Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom

1472 Impact of hygiene factors on childhood food allergy and asthma
Gupta R, 1 Singh AM, 1 Walker M, 2 Smith BM, 1,3,4 Caruso D, 2 Wang X, 1 Pongracic JA, 1 Marchisotto M, 1,6
1Northwestern University Feinberg School of Medicine, Chicago, United States, 2Ann & Robert H. Lurie Children’s Hospital of Chicago, Pediatrics, Chicago, United States, 3Center for Molecular Biosciences Innsbruck, University of Innsbruck, Innsbruck, Austria, 4Innovation for Complex Chronic Healthcare (CINCH) Edward J. Hines, Jr. VA Hospital, Hines, United States, 5Bloomberg School of Public Health, Baltimore, United States, 6Food Allergy Research & Education, Inc, New York City, United States
1473 The prevalence of food allergy is similar between school-age children living in rural and urban areas in Guangdong, China
Zhao J.F., Xian M., Feng M.L., Wei N.L., Yang Z.W. 1, Li J. 1
1The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China

1474 Fennel (Phoeniculum vulgare): a major allergen of the Mediterranean diet
Di Giacomo M. 1, Gilliberti L.A. 1, Nico A. 1, Vacca M. 1, Lotti A. 1, Rossi M.P. 1, Bellotti A. 2, Taurino M.L. 2, d’Elia L. 2, Damiani E. 1, Rossini M. 3, Fumurulo R. 3, Ciaiaffa M.F. 2, Macchia L. 1
1University of Bari Aldo-Moro, School of Allergology and Clinical Immunology, Bari, Italy, 2University of Foggia, School of Allergology and Clinical Immunology, Foggia, Italy, 3University of Bari Aldo-Moro, Department of Clinical Pathology, Bari, Italy

1475 Clinical pattern of Pru p 3 food allergy: influence of plane tree pollinosis
García-Moral A. 1, Sánchez-López J. 1, Díaz-Perales A. 2, Pascal M. 3, Valero A. 1, Bartra J. 1
1Hospital Clinic, Universitat de Barcelona, Allergy Section, Pneumology Department, Barcelona, Spain, 2Polytechnic University of Madrid, Center for Plant Biotechnology and Genomics, Madrid, Spain, 3Hospital Clinic, Universitat de Barcelona, Immunology and Allergy Department, Barcelona, Spain

1476 Severe allergic reactions to Anacardiaceae in infants (birth to age 2 years)
Konstantinopoulos A.P. 1, Savvatianos S. 1, Mitsias D. 1, Karantoumanis D. 1, Koulisillis D. 1, Pemlidou M. 1, Tziotou M. 1, Tzeli K. 1, Manousakis E. 1, Papapoulopoulos N. 1
12nd Pediatric Clinic, University of Athens, Allergy Department, Athens, Greece

1477 Natural course of food allergy at the end of the 4 years of age: results of birth cohort study from Turkey
Karakoc G. 1, Karagoz D. 2, Altintas D. 1, Yilmaz M. 1, Duyugler G. 1, Kont A. 1
1Cukurova University Faculty of Medicine, Adana, Turkey, 2Baskent University Faculty of Medicine, Adana, Turkey

1478 Natural course of our patients with egg and cow’s milk allergy: single clinical experience
İşık S. 1, Çağlayan-Sözmen Ş. 1, Asilsoy S. 1, Anal Ö. 1, Karaman Ö. 1, Üzüner N. 1
1Dokuz Eylül University Faculty of Medicine, Pediatric Allergy and Immunology, İzmir, Turkey

1479 Oral allergy syndrome in birch-sensitised children in Western Siberia
Fedorova O. 1, Fedotova M. 1, Petrosyky F. 2, Evdokimova T. 3, Fernandez-Rivas M. 4, van Ree R. 5, Opbroek L. 1, Kamaltynova E. 1
1Siberian State Medical University, Tomsk, Russian Federation, 2Khanty-Mansiysk State Medical Academy, Khanty-Mansiysk, Russian Federation, 3Russian Medical Academy of Postgraduate Education, Moscow, Russian Federation, 4Hospital Clínico San Carlos, Madrid, Spain, 5Academic Medical Center, Amsterdam, The Netherlands

1480 Frequency of sensitisation to corn in patients of the National Institute of Respiratory Diseases
Ruíz Morales R.D. 1, García Cruz M.D.I.L. 1, Ramírez Jiménez F. 1, Pavón Romero G.F. 1, Camacho Ordóñez N. 1, Sánchez de la Vega Reynoso P. 1, Pérez Estrella Z. 1, Terán L.M. 1
1National Institute of Respiratory Diseases, Allergy and Immunogenetics, Mexico City, Mexico

1481 Food skin prick test results in the patients with urticaria
Özseker E. 1, Bulut I. 1
1Sureyya Yapılaşma Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

1482 Prevalence of fruit allergen-free diets in school canteens in Hortaleza district, Madrid, Spain
Ortiz J.C. 1, Cabrera M. 2, López-Gay D. 3
1Madrid City Council, ImFINE Research Group, Universidad Politécnica de Madrid, Health Service, Quality and Consumer Department, Madrid, Spain, 2Los Madroños Hospital, Allergy Department, Brunete, Spain, 3Public Health Area 4, Prevention and Health Promotion Section, Community of Madrid, Epidemiology Department, Madrid, Spain

1483 Primary school teachers’ knowledge and attitudes about food allergy
Baccioglu A. 1, Senol A. 2, Kilic O. 2, Beyhun N.E. 1, Çayar A. 1, Ozkan B. 1
1Erzurum Region Training and Research Hospital, Clinic of Immunology and Allergy Diseases, Erzurum, Turkey, 2Erzurum Region Training and Research Hospital, Clinic of Pediatric Immunology and Allergy Diseases, Erzurum, Turkey, 3Erzurum Region Training and Research Hospital, Clinic of Pediatric Infectious Diseases, Erzurum, Turkey, 4Ataturk University Faculty of Medicine, Department of Public Health, Erzurum, Turkey, 5Ataturk University Faculty of Medicine, Department of Children’s Health and Diseases, Erzurum, Turkey

1484 Immunological differences between three clinical groups of peanut sensitised patients from northeast Slovenia
Homsak M. 1, Berce V. 1, Šilar M. 2, Korošec P. 2
1University Medical Centre Maribor, Department of Paediatrics, Maribor, Slovenia, 2University Clinic of Pulmonary and Allergic Diseases, Laboratory for Clinical Immunology and Molecular Genetics, Gožnık, Slovenia

1485 Sensitisation to main food antigens in children with celiac disease and atopic dermatitis with gastrointestinal complications
Roslavtseva E. 1, Borovik T. 1, Skvortsova V. 1
1Scientific Center of Children’s Health, Healthy and Sick Child Nutrition, Moscow, Russian Federation

1486 The prevalence of food allergy is similar between school-age children living in rural and urban areas in Guangdong, China
Zhao J.F., Xian M., Feng M.L., Wei N.L., Yang Z.W. 1, Li J. 1
1The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China

1487 Fennel (Phoeniculum vulgare): a major allergen of the Mediterranean diet
Di Giacomo M. 1, Gilliberti L.A. 1, Nico A. 1, Vacca M. 1, Lotti A. 1, Rossi M.P. 1, Bellotti A. 2, Taurino M.L. 2, d’Elia L. 2, Damiani E. 1, Rossini M. 3, Fumurulo R. 3, Ciaiaffa M.F. 2, Macchia L. 1
1University of Bari Aldo-Moro, School of Allergology and Clinical Immunology, Bari, Italy, 2University of Foggia, School of Allergology and Clinical Immunology, Foggia, Italy, 3University of Bari Aldo-Moro, Department of Clinical Pathology, Bari, Italy

1488 Clinical pattern of Pru p 3 food allergy: influence of plane tree pollinosis
García-Moral A. 1, Sánchez-López J. 1, Díaz-Perales A. 2, Pascal M. 3, Valero A. 1, Bartra J. 1
1Hospital Clinic, Universitat de Barcelona, Allergy Section, Pneumology Department, Barcelona, Spain, 2Polytechnic University of Madrid, Center for Plant Biotechnology and Genomics, Madrid, Spain, 3Hospital Clinic, Universitat de Barcelona, Immunology and Allergy Department, Barcelona, Spain

1489 Severe allergic reactions to Anacardiaceae in infants (birth to age 2 years)
Konstantinopoulos A.P. 1, Savvatianos S. 1, Mitsias D. 1, Karantoumanis D. 1, Koulisillis D. 1, Pemlidou M. 1, Tziotou M. 1, Tzeli K. 1, Manousakis E. 1, Papapoulopoulos N. 1
12nd Pediatric Clinic, University of Athens, Allergy Department, Athens, Greece

1490 Natural course of food allergy at the end of the 4 years of age: results of birth cohort study from Turkey
Karakoc G. 1, Karagoz D. 2, Altintas D. 1, Yilmaz M. 1, Duyugler G. 1, Kont A. 1
1Cukurova University Faculty of Medicine, Adana, Turkey, 2Baskent University Faculty of Medicine, Adana, Turkey

1491 Natural course of our patients with egg and cow’s milk allergy: single clinical experience
İşık S. 1, Çağlayan-Sözmen Ş. 1, Asilsoy S. 1, Anal Ö. 1, Karaman Ö. 1, Üzüner N. 1
1Dokuz Eylül University Faculty of Medicine, Pediatric Allergy and Immunology, İzmir, Turkey

1492 Oral allergy syndrome in birch-sensitised children in Western Siberia
Fedorova O. 1, Fedotova M. 1, Petrosyky F. 2, Evdokimova T. 3, Fernandez-Rivas M. 4, van Ree R. 5, Opbroek L. 1, Kamaltynova E. 1
1Siberian State Medical University, Tomsk, Russian Federation, 2Khanty-Mansiysk State Medical Academy, Khanty-Mansiysk, Russian Federation, 3Russian Medical Academy of Postgraduate Education, Moscow, Russian Federation, 4Hospital Clínico San Carlos, Madrid, Spain, 5Academic Medical Center, Amsterdam, The Netherlands
A follow-up study of fruit allergy with latex sensitisation in children
Shibata R.1, Odajima H.1
1Fukuoka National Hospital, Pediatrics, Fukuoka, Japan

Allergy from cantaloupe seed
Aselah E.1
1Amiri Hospital, Pediatric Department, Kuwait, Kuwait

Anaphylaxis to Yuzu (Citrus junos)
Lefèvre S.1,2, Jacquetten S.1, Richard C.1, Astalliéf K.3, Peru L.4, Froelicher Y., Kenny G.1
1EA 7299, Université de Lorraine - Faculté de Médecine, Vandœuvre-lès-Nancy, France, 2Hôpitaux Civils de Colmar, Colmar, France, 3GÉNCLUS SAS, Vandœuvre-lès-Nancy, France, 4Jardin Botanique du Montet, Villers-lès-Nancy, France, 1Institut National de la Recherche Agronomique - Centre Corse, San Giuliano, France

Difficult diagnosis cross-reactions mugwort – celery
Gocki J.1, Bartuzi Z.1
1Nicolaus Copernicus University, Allergy, Clinical Immunol. and Intern. Diseases, Bydgoszcz, Poland

LTP syndrome or multiple sensitisation?
Fernandes R.A.1, Carrapatoso I.1, Bartolome B.2, Pereira C.1, Todo-Bom A.1
1Coimbra University Hospital Centre, Imunoallergy Department, Coimbra, Portugal, 2R&D Department, Bial-Aristegui, Bilbao, Spain

Menstruation as cofactor in the LTP syndrome: a case report
Gómez Duran M.1, González Medina M.1, Moreno Pérez N.1, Delavalle MB.1, Gamiga Compañys S.1, Gualte Clavero M.1, Luengo Sánchez O.1
1Vall d’Hebron University Hospital, Allergy Department, Barcelona, Spain

Tri a 19 and wheat exercised-dependent urticaria
Gomes B.1, Loureiro C.1, Pita J.1, Todo-Bom A.1
1Coimbra University Hospital Centre, Allergology, Coimbra, Portugal

Anaphylaxis due to peanut
Loloci C.1,2,3, Hoxha M.1, Nikolëa E.1, Ibranji A.3
1University Hospital Center ‘Mother Theresa’, Service of Allergy and Clinical Immunology, Tirana, Albania, 2Petro Nako’ Hospital, Department of Allergy, Saranda, Albania, 3University Hospital Center ‘Zoja e Keshillit te Mire’, Department of Allergy, Tirana, Albania, 1University Hospital Center ‘Mother Theresa’, Clinic of Allergy and Clinical Immunology, Tirana, Albania

An interesting case of laryngeal edema due to intake of ground nuts
Bulut I.1, Özseker Z.1
1Sureyyapasa Chest Disease and Chest Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

Hypersensitivity to banana and nuts through breastfeeding
Mendoza Parra A.1, Montoro A.1, de Vicente T.1, de Mateo M.B.1, Fonseca J.1, Nunez MA.1
1Hospital Central de la Defensa, Madrid, Spain

Persistent contact urticaria to raw potato in a child with a history of reactivity to ingested cooked potato and high potato – CAP levels: a case report
Georgouditzou A.1, Tsell K.1, Karantounianis D.1, Douladitis N.1, Manousakis M.1, Xepapadaki P.1, Papadopoulos NG.1
1National & Kapodistrian University of Athens, 2nd Pediatric Clinic, Unit of Allergy and Clinical Immunology, Athens, Greece

Buckwheat: an emerging food allergen in the UK
Liu J.1, Khan N.L.1, Croom A.J.1
1University Hospital of Leicester, Clinical Immunology and Allergy, Leicester, United Kingdom

Anaphylaxis caused by mushrooms. A case report
Verdierque Segarra O.1, Bartolomé B.2, Peláez Hernández A.1, Ortega Sanchis S.1, Morales Rubio C.1
1Hospital Clínico de Valencia, Valencia, Spain, 2Bial-Aristegui, Bilbao, Spain

Meaning of garlic specific IgE finding
Coniglio G.1, Malucci M.2, Piazzoni M.2, Migliol E.2
1Specialist Centre, Arezzo, Italy, 2Direzione 1° Livello - USL B, U.O. Laboratorio Analisi, Arezzo, Italy, 1Direttore U.O. Laboratorio Analisi, USL B, Arezzo, Italy

Anaphylaxis in a child caused by parsley
Caglayan Sozmen S.1, Mastrorilli C.1, Rizzuti L.1, Pavesi Dascola C.2, Caffarelli C.2
1Dokuz Eylul University Faculty of Medicine, Izmir, Turkey, 2Parma University Faculty of Medicine, Parma, Italy

Allium mongolicum Regel induced acute allergic reaction
Wang X.1, Shi H.1, Kong R.1
1Beijing Shijitan Hospital, Beijing, China

Allergy to cumin: mugwort pollen-related food allergy
Deng S.1, Yin J.1
1Peking Union Medical College Hospital, Beijing, China

Severe sprue-like enteropathy associated with olmesartan: a case report
Montoro de Francisco A.M.1, García Luque A.2, De la Fuente Fernandez E.2, García Mayor M.A.3, Rodeles del Pozo M.4, Puerto Vicente M.4, Mateos Gaván J.M.1
1Hospital Central de la Defensa, IMIDEF, Allergy, Madrid, Spain, 2Hospital Central de la Defensa, IMIDEF, Clinical Pharmacology, Madrid, Spain, 3Hospital Central de la Defensa, IMIDEF, Gastroenterology, Madrid, Spain, 4Hospital Central de la Defensa, IMIDEF, Nephrology, Madrid, Spain

Eosinophilic gastroenteritis accompany with dyspnea
Kim WK.1, Byun S.J.1, Nam Y.R.2
1Dongguk University Ilsan Hospital, Internal Medicine, Goyang, Republic of Korea, 2Dongguk University College of Medicine Postgraduate School, Kyungju, Republic of Korea
**Poster Session (TPS 54) - Milk and egg allergy – a problem in children and adults**

**Chairs:** Ibón Eguíluz-Gracia, Norway  
Monica Ruiz García, United Kingdom

**1504** Gastroallergic anisakiasis: a cause of abdominal pain  
Martínez Molina S.,1 De las Vecillas Sanchez L.,1 Montecchiani V.,1 Duque Gómez S.,1 Rodríguez Fernández F.1  
1Hospital Universitario Marqués de Valdecilla, Santander, Spain

**1505** Small bowel Anisakiasis. The importance of a detailed clinical history in acute abdomen  
De las Vecillas Sánchez L.,1 Martínez Molina S.,1 Montecchiani V.,1 Drake Pérez M.2, Mochón Miquel E.1, Rodríguez Fernández F.1  
1Hospital Universitario Marqués de Valdecilla, Allergy Service, Santander, Spain, 2Hospital Universitario Marqués de Valdecilla, Radiology Service, Santander, Spain

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**1506** When and how to end treatment with Omalizumab while introducing cow’s milk and egg double oral immunotherapy in severe allergies  
Barato D.1, Alba J.C.1  
1Hospital de la Ribera, Pediatric Allergy, Alzira, Spain

**1506A** Specific allergy to quail’s egg with chicken egg tolerance  
Méndez Díaz YC.1, García Rodríguez C.1, Alfaya Arias T.1, Bartolomé Zabala B.2, Feo Brito F.1, Gómez Torrijos *E.1  
1Hospital Ciudad Real, Ciudad Real, Spain, 2Laboratory for Allergy, Bilbao, Spain

**1507** Two cases of egg allergy in adult patients  
Bulut I.1, Ozseker F.1  
1Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

**1508** Frey syndrome in childhood: a differential diagnosis of food allergy  
Blanc S.1, Bourrier T.1, Pham-Thi N.2, Sabouraud-Leclerc D.2, Payot F.2, Coffinet L.1,6, Deschilde A.1,2, Dunod P.1, Dutau G.2, Donnou M.-D.6,8, Ghazouani J.1,11, Couranton M.1,2, Moreigne M.1,2, Albertini M.1, Tran A.1,4, Giovannini-Chami L.1,15  
1Hôpitaux Pédiatiques de Nice CHU-Lenval, Pediatric Pulmonology and Allergology Department, Nice, France, 2Institut Pasteur, Allergology Department, Paris, France, 3Hôpital Américain, Pediatric Department, Reims, France, 4Hospices Civils de Lyon, Allergology Department, Pediatric Department, Bron, France, 5Centre Hospitalier Universitaire de Nancy, ENT Department, Nancy, France, 6Université de Lorraine, Nancy, France, 7Clinique de Pédiatrie Jeanne de Flandre, CHRU de Lille, Pediatric Pulmonology and Allergology Department, Lille, France, 8Centre Hospitalier Universitaire de Nancy, Department of Internal Medicine, Clinical Immunology and Allergology, Nancy, France, 9 rue Maurice-Alet, Toulouse, France, 10Cabinet de Pneumologie et Allergologie Pédiatrique, Brest, France, 11Cabinet de Pédiatrie Générale et Allergologie, Rovines des Cabris, France, 12Cabinet d’Allergologie, Les Azymes, France, 13Centre Hospitalier Régional La Fontonne, Antibes, France, 14Hôpitaux Pédiatriques de Nice CHU-Lenval, Emergency Department, Nice, France, 15Université de Nice Sophia-Antipolis, Nice, France

**1509** An interesting case of adult multiple food allergy with late onset  
Bulut I.1, Ozseker F.1  
1Sureyyapasa Chest Diseases and Thoracic Surgery Training and Research Hospital, Immunology and Allergy, Istanbul, Turkey

**1510** Adult-onset cow’s milk allergy and bodybuilding: is there a connection?  
Sousa M.J.1,2, Ferreira A.R.1,2, Moreira Silva JP1,2  
1Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Allergy and Clinical Immunology Department, Vila Nova de Gaia, Portugal

**1511** Atypical symptoms of milk allergy in 37-year old patient  
Klejja-Skolowska N.1, Gawronska-Ukleja E.1, Zbikowsta-Gotz M.1, Bartuś Z.1  
1Collegium Medicum, Nicolaus Copernicus University, Department and Clinic of Allergology, Clinical Immunology and Internal Diseases, Bydgoszcz, Poland

**1512** Diagnostic process in vivo and in vitro of severe respiratory symptoms in patient after ingestion of soy milk  
Barocci F.1, Barzaghi C.E.2, Aliprandi P.2, Lodato A.1  
1Immunotrasfusion Center Rho Hospital - Company Hospital G. Salvini Garbagnate Milanese, Rho, Italy, 2Ambulatory of Allergology and Clinical Immunology Medicine IV Rho Hospital - Company Hospital G. Salvini Garbagnate Milanese, Rho, Italy

**1513** Allergy in products of non enzymatic browning reactions – a case report  
Christopoulou G.1, Tzirtzou M.1, Psomiadou M.1, Tzeli K.1, Karantounamis D.1, Kostoudi S.1, Zisaki V.1, Georgiou K.1, Roumpedaki E.1, Douladis N.1, Manousakis E.1, Xepapadaki P1, Papadopoulos N.1,2  
12nd Pediatric Clinic, University of Athens, Allergy Unit, Athens, Greece, 2Institute of Human Development, University of Manchester, Center for Pediatrics and Child Health, Manchester, United Kingdom

**1514** Turbot selective hypersensitivity: report of a case  
de Luque Piñana V.1, Egez Hidalgo M.F.2, Bellido Linare J.1, García Martínez P.1, Guardia Martínez P.1  
1Hospital Universitario Virgen Macarena, Sevilla, Spain, 2Hospital Enrique Garcés, Quito, Ecuador
**Late Breaking Poster Session (LB TPS 9) - Food allergy anaphylaxis and drug allergy**

**Chairs:** Zeynep Mısırlıgil, Turkey  
Belén de la Hoz Caballer, Spain

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1687 **Desensitisation with amphotericin b in a patient with visceral leishmaniasis (VL)**  
Pirano P.¹, Alcaraz PR.², Urquhart A.², Espinola S.M.¹  
¹Hospital de Clinicas Universidad Nacional de Asuncion, Unidad de Alergia e Inmunología Clínica. II Catedra de Clínica Médica, Asuncion, Paraguay  
²Hospital de Clinicas Universidad Nacional de Asuncion, I Catedra de Clínica Médica, Asuncion, Paraguay

1688 **Successfull piperacillin/tazobactam desensitisation in E. coli ESBL urinary septicemia**  
Santucci A.¹, Cortellini G.², Lippiolis D.², Ballarini G.²  
¹Rimini Infermi Hospital, Internal Medicine, Rimini, Italy  
²Rimini Infermi Hospital, Rimini, Italy

1689 **Toxic epidermal necrosis and aplastic anemia**  
Shariat M.¹, Gharagouzouli M.¹, Eslamian M.H.¹  
¹Tehran University of Medical Sciences, Children’s Medical Center, Immunology and Allergy, Tehran, Islamic Republic of Iran

1690 **Desensitisation in Sulphamides delayed hypersensitivity**  
Sansosti A.¹,², Solé Artigues R.¹, Ferré Ybarz L.², Gomez Galan C.², Peña Pelacho M.², De la Borbolla M.², Nevet Falcó S.²  
¹Hospital Nostra Senyora de Meritxell, Escaldes-Engordany, Andorra  
²Hospital San Joan de Déu, Marressa, Spain

1691 **Anaphylaxis-Anaphylactic shock after taking acetic acids**  
Barasoa Villarejo J.¹, García Núñez L.¹, Moreno Aguilar C.¹  
¹Hospital Reina Sofia, Allergology, Córdoba, Spain  
²Hospital Quiron Malaga, Allergology, Málaga, Spain

1692 **Anaphylaxis to povidone-iodine solution**  
D’Auria E.¹, Palazzo S.¹, Pietra B.¹, Riva E.¹  
¹San Paolo Hospital, University of Milan, Department of Pediatrics, Milan, Italy

1693 **Anaphylaxis due to celecoxib with tolerance to other nonsteroidal antiinflammatory drugs**  
Carrillo Fernandez-Paredes P.¹, Brugaletta Matheus D.C.¹, Boulach M.², Peria Arellano M.³  
¹Hospital Quiron, Murcia, Spain  
²Hospital Quiron, Torrevieja, Spain  
³Hospital Comarcal del Noroeste, Caravaca, Spain

1694 **IgE-mediated anaphylactic shock induced by gabodenate dimeglumine**  
Pérez B.¹, Luncor S.M.¹, Oreja C.², Fliandor A.², Quirce S.², Cabañas R.¹  
¹Hospital La Paz Institute for Health Research (IdiPAZ), Allergy, Madrid, Spain  
²Hospital Clínico de San Carlos, Department of Neurology, Madrid, Spain

1695 **Anakisids-induced anaphylaxis as the manifestation of an underlying indolent systemic mastocytosis**  
Hernández Reyes S.¹, Esponda K.¹, González Guiñérez M.L.¹, Álvarez García O.¹, Larco Rojas X.¹, Cimara Álvarez Lovell M.¹, Fuentes Aparicio V.¹, Fernández Rivas M.¹  
¹Hospital Clínico San Carlos, IDISSC, Allergy Department, Madrid, Spain

A case of anaphylaxis: idiopathic anaphylaxis?  
Histamine hypersensitivity syndrome? Stresss induced anaphylaxis?  
Food-dependent exercise-induced anaphylaxis to maize

Anaphylaxis after consumption of red meat in patient with IgE antibodies specific for galactose-α-1,3-galactose

Anaphylaxis by millet. A case report

Anaphylaxis and mastocytosis: two sides of the same coin?

LTP-dependent exercise induced anaphylaxis

Hidden allergen in pizza

Clinical features of allergy to cereals in an area population of Madrid
**Late Breaking Poster Session (LB TPS 10) - Food allergy**

**Chairs:** Rodrigo Rodrigues Alves, Portugal

**1704 Allergic sensitisation in infants, the role of atopic eczema and acute bronchiolitis**

Skerven H.O., 1 Kvenshagen B., 1 Rosfsjord L.B., 1,2 Hunderi J.O., 1,2 Berents T.L., 2,3 Stensby Bains K.E., 1 Mownickel P., 1,2 Buchman M., 1,2 Carlsen K.-H., 1,2 Lødrup Carlsen K.C., 1,2, QRAACLE

1 University of Oslo, Institute for Clinical Medicine, Oslo, Norway, 2 Oslo University Hospital, Dept of Pediatrics, Oslo, Norway, 3 Sykehuset Østfold Hospital Trust, Dept of Pediatrics, Fredrikstad, Norway, 4 Sykehuset Hønefoss Hospital Trust, Dept of Pediatrics, Everum, Norway, 5 Furst Laboratories, Oslo, Norway

**1705 Epidemiology of food allergy in child population**

Khachapuridze D., 1 Adamia N., 2 Chkhaidze M., 1 Chkhaidze I., 1 Sepiashvili R., 1 Tskaltubo, Georgia, 2 Tbilisi State Medical University, Pediatric, Tbilisi, Georgia, 3 Peopels Friendship University of Russia, Clinical Immunology, Moscow, Russian Federation, 4 Institute of immunophysiologiy, Clinical Immunology, Moscow, Russian Federation

**1706 Legumes used in Asian cooking: unexpected reactions to fenugreek and chickpea**

Nagerotran V., 1 Bansal A. 1

1 St.Heller Hospital, Immunology & Allergy, Carshalton, Surrey, United Kingdom

**1707 Omalizumab as a treatment for exercise induced anaphylaxis (EIA). Our clinical experience**

Truuillo-DEytchele J.E., 1 Bosque García M., 1 Asensio De la Cruz O., 1 Valdesorno Navarrete L., 1 Laramona Carrera H., 1 Domingo Miro X., 1 Febles Gonzalez P., 1 Lovera T., 1 Gascon Casaredi L., 1 Campa Falcon N., 1

1 Sabadell Hospital CSPT, Pediatric Allergy Unit, Sabadell, Spain

**1708 Usefulness of open oral hazelnut challenges in routine practice**

Marco G., 1 Cimarra M., 1 Fuentes-Aparicio V., 1 Gonzalez M.L., 1 Robledo T., 1 Sánchez-Morillas L., 1 Vázquez-Cortés S., 1 Fernández-Rivas M., 1

1 Hospital Clínico San Carlos, Allergy Department, Madrid, Spain

**1709 The clinical relevance of mono-sensitisation to peanut component Ara h 6**

Borch R., 1 van der Valk J.P.M., 1 de Jong N.W., 1 Schreurs M.W.J., 2 Arends N.J.T., 2

1 Erasmus Medical Center, Department of Internal Medicine, Allergology, Rotterdam, The Netherlands, 2 Erasmus Medical Center, Department of Immunology, Rotterdam, The Netherlands, 3 Diacossenhus Voorburg, RdCG Delft, Paediatric Allergology, Delf, The Netherlands

**1710 The significance of allergic contact urticaria to milk in children with cow’s milk allergy**

Schichter-Konfino V., 1 Almoq M., 1 Bamberger E., 1 Berkowitz D., 3 Kessel A., 1

1 Bnai-Zion Medical Center, Rappaport Faculty of Medicine, Technion, Division of Allergy & Clinical Immunology, Haifa, Israel, 2 Bnai-Zion Medical Center, Rappaport Faculty of Medicine, Technion, Haifa, Israel, Pediatric Department, Haifa, Israel, 3 Bnai-Zion Medical Center, Rappaport Faculty of Medicine, Technion, Haifa, Israel, Pediatric Gastroenterology Unit, Haifa, Israel

**1711 The prevalence of food allergy in adult patient with refractory gastro-esophageal reflux disease**

Abdel-Rehem A.S., 1 Abo-All F., 1 Musa N.S., 1 Ahmed Y.S., 1 Abou Gabal H.S., 1

1 Ain Shams University, Faculty of Medicine, Internal Medicine, Allergy and Clinical Immunology, Cairo, Egypt, 2 Ain Shams University, Faculty of Medicine, Internal Medicine, Gastroenterology, Cairo, Egypt, 3 Ain Shams University, Faculty of Medicine, Pathology, Cairo, Egypt

**1712 Rosaceae fruits allergy in Southern Portugal**

Cardoso B.K., 1 Semedo F., 1 Tomaz E., 1 Reis R., 1 Pires A.P., 1 Inácio F., 1

1 Centro Hospitalar de Setúbal - Hospital São Bernardo, Setúbal, Portugal

**1713 Diagnostic pitfalls of childhood food allergy**

Kamár A., 1 Ápró N., 1 Farkas E., 1 Micskey É., 1 Somogyi É., 1 Zunkó A., 1 Madaras A., 1

1 St. John’s Hospital, Allergology, Budapest, Hungary, 2 St. John’s Hospital, Pediatrics, Budapest, Hungary

**1714 Frequency and severity of reactions during food challenges in a Pediatric Allergy Unit**

Zsaki V., 1 Christopoulos G., 1 Georgiou G., 1 Karantoumanis D., 1 Tzeli K., 1 Tziotou M., 1 Psomiadou M., 1 Xepapadaki P., 1 Douladiris N., 1 Manousakis E., 1 Papadopoulos N., 1,2

1 2nd Pediatric Clinic, University of Athens, Allergy Unit, Athens, Greece, 2 University of Manchester, Institute of Human Development, Pediatric Allergy Center for Pediatrics and Child Health, Manchester, United Kingdom

**1715 N of 1 randomised clinical trials revealed that adverse reactions of a 9-year-old boy elicited by milk intakes were phenomena of responsive conditioning**

Hashimoto M., 1 Nomura I., 1 Ohya Y., 1

1 National Center for Child Health and Development, Division of Allergy, Tokyo, Japan

**1716 Protective effect of Helicobacter pylori infection against food allergy in children**

Vrani D., 1 Mayeroudi A., 1 Xinias I., 1 Spyrigou K., 1 Fotoulaki M., 2

1 Aristotle University of Thessaloniki, 3rd Pediatric Department of Hippokrateion General Hospital, Thessaloniki, Greece, 2 Aristotle University of Thessaloniki, 4th Pediatric Department of Papageorgiou General Hospital, Thessaloniki, Greece
Late Breaking Poster Session (LB TPS 11) - ENT

1717 Immunological impact of neuroaminidase-coated microparticles on human intestinal epithelial cells
Diersner S.C.1,2, Schultz C.1, Exenberger S.1, Forst E.1, Wang X.-Y.2, Roth-Walter F.1,4, Heiden D.1, Pali-Schüll I.1,4, Jensen-Jarolim E.1,4, Gabor F.1, Untersmyrer E.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Paediatrics and Adolescent Medicine, Vienna, Austria, 3University of Vienna, Department of Pharmaceutical Technology and Biopharmaceutics, Vienna, Austria, 4Messeri Research Institute of the University of Veterinary Medicine Vienna, Medical University Vienna and University Vienna, Comparative Medicine, Vienna, Austria

1718 Autoimmune vasculitis and food protein-induced enterocolitis syndrome
Lopez-Ortiz D.1, Azamar A.1, Orozco-Martinez S.1, Aguillon J.1, Mendoza D.1
1Instituto Nacional de Pediatría, Allergy, Mexico City, Mexico

1720 Digestive allergy. Non IgE Mediated due to omesartan
Rea Modellín D.1, Rodriguez Garnacho A.1, Romero Molina P.2
1Hospital General Universitario Gregorio Marañón, Department of Allergy, Madrid, Spain, 2Hospital General Universitario Gregorio Marañón, Madrid, Spain

1721 Successfull oral tolerance induction to apple in 45 patients with birch-apple allergy syndrome
van der Brempt X.1,2,3, Bouvier M.3
1Clinique Saint-Luc, Allergopole, Pneumo-Allergology, Namur, Belgium, 2Centre Hospitalier Régional de Namur, Pediatrics, Namur, Belgium, 3Centre Hospitalier Lyon-Sud, Allergologie et Immunologie Clinique, Pierre-Bénite, France

1722 Induction of oral tolerance to milk: a protocol including mobile messaging, our experience
Ruano F.J.1, García Martín Galicia M.1, Blanca-López N.1, Pérez Alzate D.1, Vazquez de la Torre M.1, Somoza Alvarez M.L.1, Canto Diaz G.1
1Hospital Universitario Infanta Leonor, Allergy, Madrid, Spain

1723 Pathways to anxiety or risk in five countries: comparative analysis of the development model in food allergy
Dunn Galvin A.1,2, Muraro A.3, Polloni L.2, O’Reilly A.T.3, Hourihane J.S.1,2, Tang M.1, Allen K.3, Burks W.4
1University College Cork, Cork University Hospital, Cork, Ireland, 2University Padua, Padua, Italy, 3University College Cork, Cork, Ireland, 4The University of Melbourne, The Royal Children’s Hospital Melbourne, Murdoch Childrens Research Institute, Melbourne, Australia, 5The Royal Children’s Hospital, Melbourne, Australia, 6University of North Carolina, Department of Pediatrics, Chapel Hill, United States

1724 Animal model for food allergy: does matching of inclusion-criteria is critical?
Behroo L.1
1Nutrition and Metabolic Diseases Research Center, Ahvaz Jundishapour University of Medical Sciences, Nutrition, Ahvaz, Islamic Republic of Iran

1725 Eosinophilic esophagitis following milk oral tolerance induction
Brosseron L.1,2,3, Reis Ferreira A.1,2, Moreira da Silva J.P.1
1Centro Hospitalar Vila Nova de Gaia/Espinho, EPE, Allergy and Clinical Immunology Department, Vila Nova de Gaia, Portugal

1726 How can we get better at managing food allergies in the community? A trans-disciplinary approach and the first data from a real-world, community-based study
Purzy F.M.1,2, Semic-Jusufagic A.1,2, Themis M.2, Munro C.F.2, Couch P.2, Simpson A.2,2, Mills C.2,2, Hourihane J.O.1,2, Dunn Galvin A.1
1University College Cork, Cork, Ireland, 2University of Manchester and University Hospital of South Manchester, Manchester, United Kingdom

1727 Is milk protein allergy related to vitamin D levels in infants?
Corut N.1, Bostanci L.1, Ozmen S.1, Seymen H.1, Tekindal M.A.2
1Dr Sami Ulus Obstetrics, Children’s Health and Diseases Training and Research Hospital, Department of Pediatric Immunology and Allergy, Ankara, Turkey, 2Baskent University, School of Medicine, Department of Biostatistics, Ankara, Turkey

Late Breaking Poster Session (LB TPS 11) - ENT

1728 Three dimensional computed tomographic analysis of sinonasal air volume as an objective outcome measure for chronic rhinosinusitis with nasal polyps
Pauwels B.1,2, Ferreira F.2, Vos W.2, Van Holsbeke C.2, De Backer J.2, Derycke L.1, Bachert C.1,2
1University Hospital Gent, Gent, Belgium, 2Fluidda nv, Kontich, Belgium, 3Karolinska University Hospital, Stockholm, Sweden

1729 Immune profile modulation of blood and mucosal eosinophils in nasal polyposis with concomitant asthma
Mortuaire G.1, Gengler L.2, Vandenheede-Szymanski C.1, Delbeke M.2, Gatault S.1, Chevalier D.1, Capron M.3
1Univ Lille 2, Lille, France, 2CHRU de Lille, ORL et Chirurgie Cervico-faciale, Lille, France, 3INSERM U995, Lille, France

1730 Subjective Improvement of olfactory function after endoscopic sinus surgery for chronic rhinosinusitis
Ye P.1,2, Shi L.1, Zhang Q.L.1, Li Z.X.1, Pan L.X.1, Cai L.X.1, Feng X.1, Huang O.2, Zhou B.3, Jin P.3
1Qilu Hospital of Shandong University, Otolaryngology, Jinan, China, 2Beijing TongRen Hospital, Otolaryngology, Beijing, China, 3Shandong University, Jinan, China

1731 Gender related differences in health related quality of life in uncontrolled chronic rhinosinusitis
Jurlin L.1,2, Greguric T.2, Baudoin T.1, Cupic H.1, Kalogiera L.1,2
1Zagreb School of Medicine, ORL, Zagreb, Croatia, 2University Hospital Centre ‘Sestre Milosrdice’, Dept of Radiology, Zagreb, Croatia
1741 Persistence of the 5-grass pollen tablet in patients with allergic rhinitis: a real-life study
Ras L.1, de Groot H.1, Stengs C.H.M.3, van Weissenbruch R.3
1Stallergenes B.V, Almere, The Netherlands, 2Reinier de Graaf Gasthuis lokatie Diakonessenhuis, Department of Allergology, Voorburg, The Netherlands, 3Rijnstate Ziekenhuis, Department of Otorhinolaryngology, Arnhem, The Netherlands, 4Wilhelmina Ziekenhuis, Department of Otorhinolaryngology, Assen, The Netherlands

1736 Decreased expression of nasal tissue TGF-beta may contribute to allergic inflammation in allergic rhinitis but not remodeling
Eljan A.O.1, Orban N.T.1, Jacobson M.R.1, Durham S.R.2
1Imperial College London, Royal Brompton Hospital, Allergy and Clinical Immunology, National Heart and Lung Institute, London, United Kingdom

1737 Maternal allergic rhinitis influence on offspring through epigenetic mechanism
Xu Y1, Ou J.2, Tao Z.2, Xiang R.2, Tan L.2
1Wuhan University, Institute of Otolaryngology-Head and Neck Surgery, Wuhan, China, 2Wuhan University, Institute of Otolaryngology, Wuhan, China, 3Wuhan University, Wuan, China, 4Wuhan University, Wuhan, China

1734 Isolated acute sphenoid sinusitis in children
Manole F.1
1Faculty of Medicine, University Oradea, ENT, Oradea, Romania

1735 A case of allergic fungal sinusitis misdiagnosed as isolated sphenoid sinusitis
Im J.1, Park T.1, Jung T.1, Kim B.1
1Maryknoll Medical Center, Otorhinolaryngology, Busan, Republic of Korea

1738 Histopathological features of sinonasal inverted papillomas and their associations with clinical characteristics in Chinese patients
Jin P.1, Li C.2, Wang D.2, Shi L.1
1Oiu Hospital, Shandong University, Department of Otolaryngology, Jinan, China, 2National University of Singapore, Department of Otolaryngology, Singapore, Singapore

1740 A multinational registry on adverse events of allergen immunotherapy – setup and first data
Mitsias D.1, Vidou S.1, Deleanu D.2, Dimitrov Z.3, Hoxha M.4, Konstantinou G.N.1, Koskin M.5, Mungan D.2, Pritfianj A.6, Stipic A.8, Tomic Spiric V.1, Popov T.1, Calderon M.4, Papadopoulos N.G.1, Consortium of the Registry on Allergen Immunotherapy Adverse Events
1Univ. of Athens, Children’s Hospital ‘P&A.Kiriakou’, Athens, Greece, 2University Medicine and Pharmacy Iuliu Hatieganu, Cluj-Napoca, Romania, 3Clinic of Allergy and Asthma, Medical University Sofia, Bulgaria, 4University Hospital Center ‘Mother Theresa’, Tirana, Albania, 5424 General Military Training Hospital, Thessaloniki, Greece, 6University Clinic of Respiratory and Allergic Diseases, Golnik, Slovenia, 7University School of Medicine Department of Allergy and Immunology, Ankara, Turkey, 8University Hospital ‘Sveti Duh’, Zagreb, Croatia, 9University Clinic of Allergology and Immunology, Belgrade, Serbia, 10Clinical Trials Unit, Imperial College, London, United Kingdom

1743 18 months follow-up results of sublingual immunotherapy with house dust mite in poly allergen sensitised children with allergic rhinitis
Park Y.1
1Wonkwang University Sanbon Hospital, Pediatrics, Gunpo, Republic of Korea

1742 Patients mobile monitoring for an appropriate choice of allergen-specific immunotherapy
Bianchi A.1, Gabrielli F.2, Di Rienzo Businco A.3, Silka I.3, Pelosi S.4, Matricardi P.5, Tripodi S.6
1Mazzoni Hospital, Pediatric Department, Ascoli Piceno (AP), Italy, 2Sandro Pertini Hospital, Pediatric Department and Pediatric Allergology Unit, Rome, Italy, 3TPS Production s.r.l., Rome, Italy, 4Charite Medical University, Department of Pediatric Pneumology and Immunology, Berlin, Germany

1741 Safety of a rapid built-up phase with an optimised native extract
Garcia Nunez L.1, Algaba Marmol M.A.2, Barasona Villarejo M.J.3, Suarez Vergara M.8, Correa F.9, Rodriguez E.4, Ignacio Garcia J.M.4, Reina Ariza E.M.1
1Hospital Quiron Campo de Gibraltar, Allergy Department, Los Barrios, Spain, 2Hospital Quiron Malaga, Allergy Department, Malaga, Spain, 3Area Sanitaria de Osuna, DCCU Ecija, Ecija, Spain, 4Hospital Universitario Reina Sofia, Allergy Department, Cordoba, Spain, 5Hospital Quiron Campo de Gibraltar, Allergy Department, Los Barrios, Spain
1746 Hydrolyzed Lolium perenne peptide fragments administered subcutaneously to hay fever patients induce allergen-specific IgG and blocking antibodies after two or more weeks of treatment
Sjamaar MH1, Kaschke EM2, Zadoyan G3, Astvatsatourov A2, Durham SR1, Pirigton S3, Legon T1, Mosges R4
1Imperial College (NHLI) and Royal Brompton Hospital, Allergy & Clinical Immunology, ImmunoTolerance Group, London, United Kingdom, 2University Hospital of Cologne, Institute of Medical Statistics, Informatics and Epidemiology (IMSEI), Cologne, Germany, 3BioTech Tools s.a, Brussels, Belgium

1747 Whole blood immune transcriptome profiling reveals systemic pathways associated with the mechanism of action of cat-synthetic peptide immuno-regulatory epitopes
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1Circassia Ltd, Oxford, United Kingdom, 2University of British Columbia, Experimental Medicine, Vancouver, Canada, 3St. Paul’s Hospital, James Hogg Research Centre, Vancouver, Canada, 4Prevention of Organ Failure (PROOF) Centre of Excellence, Vancouver, Canada, 5Adiga Life Sciences, Hamilton, Canada, 6Departments of Medicine and Biomedical & Molecular Science, Queen’s University, Kingston, Canada, 7Kingston General Hospital, Allergy Research Unit, Kingston, Canada, 8McMaster University, Department of Medicine, Hamilton, Canada, 9McMaster University, Firestone Institute for Respiratory Health, Hamilton, Canada

1748 Safety of oral immunotherapy for treatment of egg allergy using hydrolyzed egg
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1University of Athens, Allergy Dpt, 2nd Paediatric Clinic, Athens, Greece, 2Padua University Hospital, Referral Centre for Food Allergy Diagnosis and Treatment, Veneto Region, Department of Women and Child Health, Padua, Italy, 3Children’s Hospital of Eastern Switzerland, St. Gallen, Switzerland, 4CK-CARE, Davos, Switzerland, 5Nestlé Research Center, Nutrition and Health Research, Lausanne, Switzerland, 6Veneto Institute of Oncology IOV - IRCCS, Department of Surgery, Oncology and Gastroenterology, Padua, Italy, 7The University of Manchester, Centre for Paediatrics & Child Health, Institute of Human Development, Manchester, United Kingdom

1749 Short term effectiveness and quality of life improvement with a subcutaneous high-dose modified pollen extract
Montoro-de Francisco A1, Funes Vera E2, Rodríguez-Marco A1, Hernández-Peña J3
1Hospital Central de la Defensa Gómez Ulla, Allergy Unit, Madrid, Spain, 2Hospital General Universitario Rafael Méndez, Allergy Unit, Lorca, Spain, 3Merck SLU, Medical Affairs Department, Madrid, Spain

1750 Clinical evaluation of a 300IR olive pollen sublingual immunotherapy solution in patients with olive-induced respiratory allergy in Jordan
Al-Asad K1, Al-Nazer S2, Al-Faqih A2, Jamil Hashem M3, Outob G4
1Private Practice, Amman, Jordan, 2Stallergenes, Amman, Jordan

1751 Effect of pollen immunotherapy in asthmatic patients
Garciomartin Galicia MJ1, Ruano Perez FJ1, Blanca Lopez N2, Vazquez de la Torre M1, Perez Alzate D3, Somoza Alvarez ML4, Canto Diez O1
1Hospital Universitario Infanta Leonor, Allergy, Madrid, Spain

1752 Glutaraldehyde-modified birch pollen allergoid reveals high stability to endolysosomal degradation by dendritic cells
Rauber MM1, Möbs C2, Werner D3, Jahn-Schmidt B2, Pfützner W1, Bohle B2
1Philips University, Clinical & Experimental Allergology, Department of Dermatology and Allergology, Marburg, Germany, 2Medical University of Vienna, Department for Allergy Research, Institute for Pathophysiology and Allergy Research, Vienna, Austria

1753 SCIT treatment using purified Der P1 and Der P2 effectively suppresses airway hyperresponsiveness, inflammation and Th2 cell activity
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1University Medical Center Groningen, GRIAC Research Institute, Pathology & Medical Biol, Groningen, The Netherlands, 2Citeq Biologics, Groningen, The Netherlands, 3University Medical Center Groningen, GRIAC Research Institute, Allergology, Groningen, The Netherlands

1754 A surprising case of sublingual immunotherapy with Grazax
Tsakona C1
1Dudley Group of Hospitals NHS Foundation Trust, Immunology, Dudley, United Kingdom

1755 Safety guidelines in the immunotherapy Division, department of allergy, Reina Sofia Hospital, Córdoba, Spain
Cano Melinendo MDM1, Fernández delgado L2, Benítez Camacho MDM1, Luque Jurado M1, Moreno Aguilar C1
1Hospital Universitario Reina Sofia, Departamento de Alergología, Córdoba, Spain

1756 Succesful rush intravaginal desensitisation in hypersensitivity to human seminal plasma
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1Clinica Santa Maria, Immunology and Allergy Unit, Santiago, Chile, 2Clinica Santa Maria, Allergy Laboratory, Santiago, Chile, 3Clinica Santa Maria, Respiratory and Allergy Laboratory, Santiago, Chile, 4Clinica Santa Maria, Gynecologist and Obstetric Department, Santiago, Chile, 5Clinica Santa Maria, Gynecology and Obstetrics Department, Santiago, Chile
1757 Rational design of live attenuated vaccine by site-directed mutagenesis and deletion in the 5'-non coding region of the Enterovirus 71 (EV71) genome
Prinn Tsin Y.1, Chit Lai P.2
1Sunway University, Science and Technology, Sunway, Malaysia
2University of California, San Francisco, Cardiovascular Research Institute, San Francisco, United States

1758 Tolerance of Imatinib, Dasatinib and Nilotinib in the treatment of chronic Leukemia myeloid
Soudani W.1, Djafer R.2, Djeddi H.3, Griffi F.3
1Chemistry Laboratory Therapeutic, Annaba Medical College, Department of Pharmacy, Annaba, Algeria
2Laboratory of Toxicology, Annaba Medical College, Department of Pharmacy, Annaba, Algeria
3Service of Hemato-oncology, CHU Annaba, Annaba, Algeria

1760 Platelet activation markers overexpressed specifically in aspirin-exacerbated respiratory disease
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1Sagamihara National Hospital, Clinical Research Center, Sagamihara, Japan

1761 Blood eosinophils are a good biomarker of sputum eosinophilia even in asthmatics treated with inhaled corticosteroids
Norwoodth K.A.1, Wong McGrath K.1, Fahy J.V.1,2
1University of California, San Francisco, Cardiovascular Research Institute, San Francisco, United States
2University of California, San Francisco, Division of Pulmonary and Critical Care Medicine, San Francisco, United States

1762 Increased levels of IL-33 and TSLP in exhaled breath condensate in chronic bronchial asthma
Glück J.1, Rymarczyk B.1, Kasprzak M.1, Rogala B.1
1Medical University of Silesia, Clinical Department of Internal Diseases, Allergology and Clinical Immunology, Katowice, Poland

1763 Are osteopontin and vitamin D related in school-age children with acute asthma exacerbations?
Uysal P.1, Yılmaz M.2, Uzuner N.2, Karaman O.3
1Adnan Menderes University Department of Pediatric Allergy and Immunology, Aydin, Turkey
2Adnan Menderes University Department of Biochemistry, Aydin, Turkey
3Dokuz Eylül University Department of Pediatric Allergy and Immunology, Izmir, Turkey

1764 Omalizumab improves lung function despite treatment reduction, while reducing mucosal IgE expression in moderate to severe nonatopic asthma
Pillai P.1, Chan Y.-C.2, Wu S.-Y.1, Ohm-Laursen L.2, Thomas C.2, Durham S.R.3, Menzies-Gow A.3, Rajakulasingam R.X.1, Ying S.1, Gould H.J.1, Corrigan C.J.1
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3Imperial College, Section for Allergy and Clinical Immunology at NHL, London, United Kingdom
4Homerton University Hospital NHS Foundation Trust, Respiratory Medicine and Allergy, London, United Kingdom

1765 Omalizumab do not inhibit skin prick test positivity in severe asthma
Olivieri M.1, Malerba G.2, Micheletto C.3, Senna G.E.4, Caminati M.4, Togniella S.5
1TN for the NEONET Group
2Azienda Ospedaliera Sanitaria Integrata Verona, Medicina del Lavoro, Verona, Italy
3University of Verona, Department of Life and Reproduction Sciences, Verona, Italy
4Mater Salutis Hospital, Respiratory Unit, Legnago, Italy
5Verona General Hospital, Allergy Unit, Verona, Italy

1766 Eosinophilic phase of Churg-Strauss syndrome or new asthma endotype?
Yılmaz I.1, Tutar N.1, Ozer Simek Z.2, Yıldırım A.3, Büyükoğlan H.2, Oymak F.S.2, Guimez I.1, Demir R.1
1Erciyes University School of Medicine, Department of Chest Diseases, Division of Immunology and Allergy, Kayseri, Turkey
2Erciyes University School of Medicine, Department of Chest Diseases, Kayseri, Turkey
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1767 Refraining aminophylline use increases hospitalisation among children with acute asthma
1National Tainan Institute of Nursing, Department of Nursing, Tainan, Taiwan
2College of Medicine, National Cheng Kung University, Pediatrics, Tainan, Taiwan
3College of Medicine, National Cheng Kung University, Gerontology, Tainan, Taiwan
4College of Medicine, National Cheng Kung University, Allergy and Clinical Immunology Research (ACIR), Tainan, Taiwan

1768 Economic benefits from the inclusion of montelukast in the basic treatment of asthma
Nurpeissov T.1, Nurpeissov T.T.1, Gazalieva M.1, Abdushukurova G.1
1SRI of Cardiology and Internal Diseases, Almaty, Kazakhstan

1769 Omalizumab shows a comparable pharmacokinetic, efficacy and safety in Chinese vs. predominantly Caucasian populations with allergic asthma
Wang X.1, Lowe P.J.2, Ren S.1, Yang J.1, Humphries M.1, Greenberg S.4
1China Novartis Institutes for BioMedical Research, Shanghai, China
2Novartis Pharma AG, Basel, Switzerland
3Beijing Novartis Pharma Co. Ltd, Beijing, China
4Novartis Pharmaceutical Corporation, East Hanover, United States
Parents’ experiences of administering asthma medications to their children – thematic analysis of online forum discussions and blog entries
Bulbul A.1, Jones C.J.2, Mukhopadhyay S.1, Smith H.E.1
1Brighton and Sussex Medical School, Brighton, United Kingdom, 2Royal Alexandra Children’s Hospital, Brighton, United Kingdom

Diverse pilgrims population visiting Saudi Arabia reveals the need for region-based peak expiratory flow rate (PEFR) charts
Bayes H.H.1, Alhamramou L.J.1, Arefaeia L.M.2, Sadayo A.A.1, Almalki H.D.1, Yamani A.D.3, AbuTaleb M.4, Mirza A.A.2
1Makkah Maternity & Children Hospital, Makkah, Saudi Arabia, 2King Abdulaziz University, Medical Laboratory Technology, Jeddah, Saudi Arabia, 3Al-Noor Hospital, Makkah, Saudi Arabia, 4Saudi Arabian Ministry of Health, Pilgrimage Directorate, Makkah, Saudi Arabia

Independent identification of handling errors for a new dry powder inhaler (DPI), spiromax (SPX) and another DPI, turbuhaler (TBH), using a Delphi process involving respiratory device experts (RDEs)
Hewitt C.1, Heinzmann S.2, Safoti G.2, Gopalan G.4
1Ashfield Healthcare, InterPhase Consult, Macclesfield, United Kingdom, 2Ashfield Healthcare, InterPhase Consult, London, United Kingdom, 3Teva Pharmaceutical Industries, Helsingborg, Sweden, 4Teva Pharmaceuticals, Frazer, United States

False asthma
Mérida-Fernández C.1, Ramírez-Herrández M.1, Pajarón-Fernández M.J.1, Carreño-Rojo A.1, Huertas A.J.1
1University Hospital Complex of Cartagena, Allergy, Cartagena, Spain

Not everything that whistles is asthma. A case report
Victorio Puche L.1, Casas Saucedo R.1, López Sáez P.2, Navarro Guerrero M.1, Rós Lucas J.A.2, Sánchez-Guerrero Villajos I.1, Messequer Arce J.1, Noguera Ortiz E.1, López Sánchez J.D.1
1Clinic University Hospital Virgen de la Arrixaca, Allergology, El Palmar, Spain, 2Clinic University-Hospital Virgen de la Arrixaca, Pneumology, El Palmar, Spain

Tracheal tumors as a differential diagnosis of asthma – case report
Moreira A.1, Lopes I.1, Costa A.2, Moreira Silva J.1
1Centro Hospitalar Vila Nova de Gaia e Espinho, EPE, Immunology, Vila Nova Gaia, Portugal, 2Centro de Diagnóstico Pneumológico de Gondomar, Pneumology, Porto, Portugal

Useful parameters of Impulse oscillometry in the assessment of bronchial hyperresponsiveness during methacholine challenge
Martins C.1, Miranda M.1, Vilela A.1, Plácido J.L.1
1Centro Hospitalar de São João, Porto, Portugal

Eucapnic voluntary hyperventilation in young children evaluated by spirometry and impulse oscillometry
Jara P.1, Fernandez-Nieto M.1, Garcia del Potro M.1, Aquedo E.1, Sastre J.1
1Fundación Jimenez Diaz, Madrid, Spain

Occupational asthma by thioglycolate
Fernandez-Nieto M.1, Uriarte S.1, Farfán R.2, Victorio Puche L.3, Cuesta J.1, Sastre J.1
1Fundación Jimenez Diaz, Madrid, Spain, 2Universidad de Antioquia, Medellín, Colombia, 3Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain

Evaluation of anaphylaxis knowledge after a clinical training session based on the Spanish guideline for the management of anaphylaxis
Chivato T.1, De Mateo B.2, Ramos M.3, Fonseca J.3, Nuñez A.4, Montoro A.2, Mateos JM.4
1CEU San Pablo, Boadilla, Spain, 2Hospital Central de la Defensa Gómez Ulla, Alergología, Madrid, Spain, 3Hospital Central de la Defensa Gómez Ulla, Madrid, Spain

Systematic review of quality of life measures used in eczema trials
Heinl D.1, Chalmers J.2, Apfelbacher C.1
1University of Regensburg, Department of Epidemiology and Preventive Medicine, Regensburg, Germany, 2University of Nottingham, Centre for Evidence Based Dermatology, Nottingham, United Kingdom

The importance of educating pediatricians about primary immunodeficiency disorders
Arefi MM.1,2, Hendaia MA.1,2, Imam L.1, Alhammadi A.H.1,2
1Hamad Medical Corporation, Doha, Qatar, 2Weill-Cornell Med. College, Hamad Medical Corp, Doha, Qatar

Quality of life and disease activity assessment in patients with chronic urticaria
Diás G.A.C.1, Fernanda C.C.1, Penafforte C.1, Caputo F.1, Filippo P.1, Arrea A.C.N.1, Denise P.L.1, Perello M.1, Costa E.1
1State University of Rio de Janeiro, Internal Medicine - Allergy and Immunology Section, Rio de Janeiro, Brazil

Assessment of quality of life among allergic patients in Al Ain, United Arab Emirates
Al-Sowaidi S.1
1UAE University, Al Ain, United Arab Emirates

Late Breaking Poster Session (LB TPS 14) - Taking care of asthma patients
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**Effects of a single oral dose of bilastine 20 mg on flying ability in healthy volunteers under conditions of simulated cabin pressure**

Valk P.1, Jetten A.1, Simons R.1, Valiente R.2, Labeaga L.2

1TNO, Soestbergen, The Netherlands, 2FAES FARMA S.A., Leioa, Spain
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**Objectives**

- Inform Europeans about the burden of allergic diseases and risk factors with an emphasis on an early diagnosis, prevention and appropriate treatments
- Help patients and their families to better control their allergy and improve their quality of life

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EAACI has developed specific activities to support and increase the influence of the younger members within the Academy. The EAACI Junior Members & Affiliates (JMAs) are a group of more than 3,900 clinicians and scientists who are aged 35 years or less. So, if you are ≤ 35 years of age and interested in the field of Allergy and Clinical Immunology sign up and become a member today at www.eaaci.org!

Here are just a few of the benefits:

- Free access to EAACI Educational Resources at www.eaaci.org
- Free online access to EAACI Journals:
  - Allergy
  - Clinical and Translational Allergy, selected papers for JMAs
  - Pediatric Allergy & Immunology, selected papers for JMAs
- Access to the online Members Area at www.eaaci.org
- Reduced registration fees for the Annual Congress, Focused Meetings and Allergy Schools
- Online receipt of the EAACI E-Bulletin
- Online and print edition of the EAACI Newsletter

JMAs can apply for:

- Positions within the JMA Working Group
- Research and Clinical Fellowships
  The EAACI Fellowships support research and training of EAACI JMAs in another European country. The goal is to exchange knowledge and new techniques throughout Europe. The work of EAACI Fellowship winners will be highlighted through an increased publication activity and a dedicated event during the EAACI Annual Congress.
- Mentorship Programme
  The Mentorship Programme (MP) was launched in 2011. Over the 4 rounds that have taken place, 122 mentees have participated. Each year between 100-140 Senior EAACI members volunteer to be mentors for the JMAs. Several MP Awards (visit to a mentor workplace) have already been undertaken with great feedback from the mentees.
- Travel grants to attend Allergy Schools and Focused Meetings
- Scholarships to attend EAACI Congresses

JMA Activities during the EAACI Congress in Barcelona

- JMA Poster Session
  Saturday 6 June 20:00 - 22:00 - Hall A
- JMA Scientific Symposium
  Sunday 7 June 15:30 - 17:00 - Hall B
- JMA Educational Session
  Monday 8 June 13:45 - 15:15 - Hall B
- JMA Case Reports Session
  Tuesday 9 June 10:30 - 12:00 - Room 116
- JMA Business Meeting
  Tuesday 9 June 17:30 - 18:40 - Room 115
- JMA Social Event
  Tuesday 9 June 20:00 - 23:00 - Pick up your ticket at the EAACI Booth

For more information on JMA activities please visit www.eaaci.org and click on the JMA icon
Sponsorship and Exhibition

This section contains information that is promotional in nature, distinct from the scientific/educational elements of the Congress.
Join Us For
Allergen Components and Antibodies – Impact on Patient Management
Hall A, Tuesday June 9, 10.30–12.00

Visit us in booth #A.01 and discover the connection between allergy blood testing and personalized medicine

thermoscientific.com/phadia
EAACI and the Local Organising Committee gratefully acknowledge the support of the 2015 Founder Sponsors and Corporate Societies for the EAACI Congress 2015.

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Thermo Fisher Scientific

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Instituto Leloir Laboratorios

**Corporate Society**

Nutricia Advanced Medical Nutrition
COMPANY SPONSORED SYMPOSIUM

Allergy diagnosis and subcutaneous AIT – today and tomorrow

Monday, June 8, 2015
10:45 – 12:15 h, Room 111

Chairs:
Prof. Moises Calderon, UK
Prof. Pascal Demoly, France

European legislation is threatening in-vivo allergy-diagnostics: what allergen manufacturers can offer allergists
Prof. Ludger Klimek, Germany

High dose Allergoids – up to date
Prof. Beatrice Bilò, Italy

The potential of subcutaneous AIT (SCIT)
Prof. Piotr Kuna, Poland
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GlaxoSmithKline
MACVIA-ARIA
Nestlé
Shire International GmbH
Teva Pharmaceuticals Europe
World Immunopathology Organization

EAACI would like to thank:

Uriach for their educational grant to support the Allergy Awareness Campaign
MEDA Pharma GbmH & Co. KG for their educational grant towards the Allergy Awareness Campaign and for their support of the Allergic Rhinitis Asthma (ARIA) Sister Society Symposium
Novartis Pharma AG for their educational grant to support the EAACI Patients Organisations Workshop
Boehringer Ingelheim Pharma GmbH & Co. KG for their support of the Poster Sessions and Junior Member and Affiliate (JMA) Poster Session.

Germany only: Please visit www.eaaci2015.com and click on Exhibition and Sponsorship to view the participation of FSA members according to the FSA Codex.
Food Allergy and Anaphylaxis Guidelines

Indexed by the prestigious National Guideline Clearinghouse

Available for EAACI Members
Access on the website or by following the QR-code:

Simultaneously addressing the key needs of ALL healthcare providers, patients and decision makers

- Concise version designed for primary care practitioners
- Credit-card sized summary suitable for patients/carers
- Summaries translated into the main European languages
- YouTube video of key recommendations
- Anaphylaxis Guidelines App
- Audit criteria and standards

www.eaaci.org
Product Theatre (PT 1) 10:00 – 10:30

FAES FARMA and the Menarini Group

Updosing or combination of antihistamines? What is the better way of treating chronic urticaria? Pro & Con Arena

Speakers: Marcus Maurer, Germany
Carsten Bindslev-Jensen, Denmark

Company Sponsored Symposium (CSS 1) 10:30 – 12:00

MEDA Pharma GmbH & Co. KG

A new frontier in allergic rhinitis management: meeting the challenge Hall A

Chair: Joaquim Mullol, Spain

Introduction
Joaquim Mullol, Spain

Guideline challenge: time for the next generation?
Jean Bousquet, France

MP29-O2: Meeting the guideline challenge
Claus Bachert, Belgium

Effectiveness and communication in real life: essential pieces of the puzzle
David Price, Singapore

Discussion
Jean Bousquet, France

Company Sponsored Symposium (CSS 2) 13:30 – 15:00

Novartis Pharma AG

Back to the future: the IgE journey in asthma, chronic spontaneous urticaria and beyond Room 117

Chairs: Stephen Holgate, United Kingdom
Ana Giménez-Arnau, Spain

Chairs’ welcome
Stephen Holgate, United Kingdom, Ana Giménez-Arnau, Spain

The IgE journey in asthma, chronic spontaneous urticaria and beyond
Eugene Bleecker, United States

Let’s talk patients: Case-study based discussion
Thomas Casale, United States, Ana Giménez-Arnau, Spain

Chairs’ summary and close
Stephen Holgate, United Kingdom, Ana Giménez-Arnau, Spain

Product Theatre (PT 2) 15:00 – 15:30

Airsonett AB

Health Economics: Temperature Laminar Airflow (TLA) from controlled trial to clinical practice Pro & Con Arena

Speaker: John Warner, United Kingdom

Q&A
Meda is pleased to invite you to attend our symposium

**A new frontier in allergic rhinitis management: Meeting the challenge**
Chairman: Prof Joaquim Mullol

**Sunday June 7th**
10.30–12.00h
Hall A

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Company Sponsored Symposium (CSS 3) 15:30 – 17:00

Stallergenes

Thinking differently about house dust mite respiratory allergy  
Hall A

Chair: Joaquin Sastre, Spain

The hidden face of the HDM allergy patient  
Carmen Vidal, Spain

What can allergen immunotherapy bring to the patient with HDM allergy today?  
Giovanni Passalacqua, Italy

Crossing new frontiers in HDM allergen immunotherapy  
Pascal Demoly, France

Satellite Symposium (SAT 1) 17:30 – 19:00

FAES FARMA and the Menarini Group

New frontiers for new H1 antihistamines: what’s different from the past?  
Room 111

Chairs: G. Walter Canonica, Italy  
Tomás Chivato, Spain

Past, present and future on antihistamines  
Martin Church, United Kingdom

Bilastine: a high-flying antihistamine  
Ralph Mösges, Germany

A new frontier in new indications: the paediatric challenge  
Zoltan Novak, Hungary

Satellite Symposium (SAT 2) 17:30 – 19:00

Shire International GmbH

Working to improve quality of life for patients with Hereditary Angioedema (HAE)  
Room 113

Chair: Marcus Maurer, Germany

Welcome and introductions  
Marcus Maurer, Germany

The importance of HAE management in improving burden of disease and quality of life in patients with HAE  
Teresa Caballero, Spain

HAE patient and professional support networks  
Christine Symons, United Kingdom

Understanding the role of familial testing in supporting patients with HAE  
Konrad Bork, Germany

Q&A and closing remarks  
All faculty/Chair

Satellite Symposium (SAT 3) 17:30 – 19:00

TEVA Pharmaceuticals Europe

From inhalers to IL 5 antibodies: shaping the evolution of asthma management  
Room 114

Chair: Marc Humbert, France

Welcome and introduction  
Marc Humbert, France

Managing the day-to-day challenges of patients with asthma  
Dave Singh, United Kingdom

Meeting the needs of our patients: optimising inhaler use  
Sinthia Bosnic–Anticevich, Australia
Please join us for an interactive collaboration at the Novartis supported symposium at EAACI 2015

Back to the future: the IgE journey in asthma, chronic spontaneous urticaria and beyond

Centre de Convencions Internacional de Barcelona, Barcelona, Spain
Sunday 7 June 2015
13:30–15:00; Room 117

Chairs: Stephen Holgate (UK); Ana M Giménez-Arnau (Spain)

Symposium program

13:30–13:35 Chairs’ welcome
Stephen Holgate (UK), Ana M Giménez-Arnau (Spain)

13:35–14:00 The IgE journey in asthma, chronic spontaneous urticaria and beyond
Eugene Bleecker (US)

14:00–14:55 Let’s talk patients
Case-study based discussion
Thomas Casale (US)
Ana M Giménez-Arnau (Spain)

14:55–15:00 Chairs’ summary and close
Stephen Holgate (UK)
Ana M Giménez-Arnau (Spain)
**Targeting IL-5: the latest news and views**
Guy Brusselle, Belgium

**Q&A session and close**
Marc Humbert, France

---

### Satellite Symposium (SAT 4) 17:30 – 19:00

**F. Hoffmann - La Roche AG**

**Severe asthma: unravelling Type 2 pathways**

Room 115

An interactive, intriguing and insightful discussion, exploring the problem of severe asthma and what drives our patients' disease.

An international respiratory faculty chaired by Douglas Robinson, United Kingdom

**Introduction: The problem of severe asthma**

Chair-led discussion

- What is severe asthma and what is Type 2-driven asthma?
- What are the key pathways involved in Type 2-driven asthma?
- How can we identify these pathways in our patients with severe asthma?

**Summary**

**Q&A**

---

### Satellite Symposium (SAT 5) 17:30 – 19:00

**DBV Technologies**

**A novel approach in food allergy treatment**

Room 116

**Chair:** Hugh Sampson, United States
Christophe Dupont, France

**Introduction by**

Pierre-Henri Benhamou, France

**Epicutaneous immunotherapy mechanism of action and preclinical data**

Lucie Mondoulet, France

**A novel immunotherapy in food allergy**

Christophe Dupont, France

**Peanut epicutaneous immunotherapy is effective and safe to treat peanut allergy: a multicentre Randomised Controlled Trial (RCT) (VIPES study)**

Hugh Sampson, United States

**A promising therapeutical approach for Eosinophilic Esophagitis (EoE)**

Jonathan Spergel, United States
WAO Symposium on Food Allergy & the Microbiome

5–6 December 2015 - Miami, FL, United States

WAO Invites You to Attend Our Upcoming Meetings

www.worldallergy.org/symposium2015/

WISC 2016 Jerusalem, Israel
December 2016

WAO INTERNATIONAL SCIENTIFIC CONFERENCE

www.worldallergy.org/wisc2016/
Industry Sessions: Monday, 8 June 2015

Company Sponsored Symposium (CSS 4)  10:45 – 12:15

Allergopharma

**Allergy diagnosis and subcutaneous AIT – today and tomorrow**

**Room 111**

Chair: Moisés Calderón, United Kingdom
Pascal Demoly, France

European legislation is threatening in-vivo allergy diagnostics: what allergen manufacturers can offer allergists
Ludger Klimek, Germany

High dose allergoids – up to date
Beatrice Bilò, Italy

The potential of subcutaneous AIT (SCIT)
Piotr Kuna, Poland

Company Sponsored Symposium (CSS 5)  13:45 – 15:15

ALK

**Integrated management of HDM respiratory allergy**

**Hall A**

Chairs: Jörg Kleine-Tebbe, Germany
Henrik Jacobi, Denmark

Recap from last year – outcomes from confirmatory clinical trials with the SQ HDM SLIT-tablet in HDM respiratory allergic disease
Jörg Kleine-Tebbe, Germany

HDM allergic rhinitis and allergic asthma – are they two sides of the same coin?
Santiago Quirce, Spain

Treatment and diagnosis of HDM respiratory allergy – a rhinologist’s perspective
Glenis K. Scadding, United Kingdom

Treatment and diagnosis of HDM respiratory allergy – a pneumologist’s perspective
J Mark FitzGerald, Canada

Do current clinical practice guidelines support an integrated management approach?
Moisés Calderón, United Kingdom

Product Theatre (PT 3)  15:15 – 15:45

CSL Behring

**1500IU in one vial: a new presentation of low-volume, plasma-derived C1 inhibitor concentrate for treatment of acute hereditary angioedema attacks**

**Pro & Con Arena**

Efficacy of body weight based dose of C1-INH and the new 1500IU presentation – which patients will benefit?
Markus Magerl, Germany

A new 1500IU presentation to optimize patient care – a nurse’s perspective
Stephanie Santucci, Canada

Company Sponsored Symposium (CSS 6)  15:45 – 17:15

Uriach

**Matching science and practice in the management of allergic disorders**

**Room 111**

Chairs: Victoria Cardona, Spain
Jean Bousquet, France

Consolidated evidence of Rupatadine in the management of allergic rhinitis
Joaquim Mullol, Spain

Histamine and PAF as therapeutic targets in chronic urticaria
Marcus Maurer, Germany

Rupatadine in children with allergic rhinitis or urticaria: unique aspects
F. Estelle R. Simons, Canada
STALLERGENES is pleased to invite you to attend the following symposia during the EAACI 2015 Congress in Barcelona, Spain.

SUNDAY, 7 JUNE 2015 from 15:30 to 17:00 in Hall A

THINKING DIFFERENTLY ABOUT HOUSE DUST MITE RESPIRATORY ALLERGY

Chair: Prof. J. Sastre, Spain
- The hidden face of the HDM\(^1\) allergy patient.
  Prof. C. Vidal, Spain
- What can allergen immunotherapy bring to the patient with HDM allergy today?
  Prof. G. Passalacqua, Italy
- Crossing new frontiers in HDM allergen immunotherapy.
  Prof. P. Demoly, France

MONDAY, 8 JUNE 2015 from 17:30 to 19:00 in Room 115 (1st floor)

NOT ALL AIT\(^2\) SOLUTIONS ARE EQUAL: YOUR CHOICE MATTERS

Chair: Prof. P. Hellings, Belgium
Speakers: Dr. P. Moingeon, France / Prof. R. Mösges, Germany / Prof. I. Dávila, Spain

For more information about STALLERGENES, its full range of diagnostics and therapeutics, their availability in your country and additional medical information about their use, please visit stand n° A-07, centrally located in the exhibition area.

ABOUT STALLERGENES
STALLERGENES is a global healthcare company specialized in the diagnosis and treatment of allergies. For more than 50 years, it has been expanding the existing frontiers of science in order to provide allergy patients with more effective long-lasting therapeutic options. Thanks to its innovation strategy, fuelled by investments amounting to around 20% of total annual revenues as well as external partnerships, STALLERGENES is able to provide targeted allergen immunotherapy-based allergy solutions that significantly improve the lives of allergy patients around the world. STALLERGENES operates in 23 countries and employs over 1,000 people. In 2014, the Company generated total revenues of €251 million, and more than 500,000 patients were treated with STALLERGENES products.
Satellite Symposium (SAT 6) 17:30 – 19:00
AstraZeneca

**Personalising medicine for Th2 obstructive airway disease: phenotypes and the future**
Room 113

**Chair:** Thomas Casale, United States

- The emerging role of biomarkers and diagnostics: getting the right drug to the right patient at the right time
  Leif Bjerner, Sweden

- Targeted immune therapy for eosinophilic/Th2-driven severe asthma
  Thomas B Casale, United States

- Treating COPD phenotypes in the era of biologics
  Gerard Criner, United States

Satellite Symposium (SAT 7) 17:30 – 19:00
Nestlé

**Cow’s Milk Protein Allergy: Improving Standards of Care in Pediatric Practice**
Room 114

**Non-IgE CMPA: is it really so rare?**
Sibylle Koletzko, Germany

**Cow’s milk-related symptom score (CoMiSS) for evaluation of milk-related symptoms in young children**
Mikael Kuitunen, Finland

**Food allergy prevention and modification through introduction of native and modified food proteins**
Anna Nowak-Wegrzyn, United States

Satellite Symposium (SAT 8) 17:30 – 19:00
Stallergenes

**Not all AIT solutions are equal: your choice matters**
Room 115

**Chair:** Peter Hellings, Belgium

Philippe Moingeon, France
Ralph Mösges, Germany
Ignacio Dávila, Spain

Interactive case discussions addressing:
- What are the key factors that drive your choice in your allergen extracts selection?
- What’s your treatment strategy for a polyallergic/sensitised patient with respiratory allergy?
- How to engage your patient on the AIT journey

Satellite Symposium (SAT 9) 17:30 – 19:00
GlaxoSmithKline

**Improving Asthma management requires a multifaceted approach**
Room 116

**Chair:** Neil Barnes, United Kingdom

Welcome and introduction
Neil Barnes, United Kingdom

**FF/VI in Asthma**
David Leather, United Kingdom

**Novel multi dose powder inhaler: designed to address patient’s needs**
Raj Sharma, United Kingdom

**Making a difference through a comprehensive approach to patient care**
Alvaro Cruz, Brazil

Panel discussion chaired by Neil Barnes, United Kingdom
PhARF (Phadia Allergy Research Forum) was established in 1987 to honor the 20th anniversary of the discovery of IgE at Uppsala University. PhARF is granted by the ImmunoDiagnostics business (formerly Phadia) of Thermo Fisher Scientific, the world’s leading company within the in vitro allergy diagnostics, and organized in collaboration with Uppsala University.

The objective of PhARF is to encourage progress in allergy research internationally; by an annual Award offered to a young scientist who has made outstanding contribution to the field of IgE associated diseases through creative and independent research efforts. Currently, the Award amounts to USD 50,000. A Nomination Committee at Uppsala University is involved in the selection of the nominees and the winner is chosen by a Scientific Committee, comprised of the presidents of the major organizations within the field of allergy, asthma and immunology: AAAAI, EAACI, and WAO.

The 2015 PhARF Award

The final Winner will be revealed at the:

Award Ceremony

Date: Saturday, June 6

Time: In connection to the Opening Ceremony 19.00-20.00

Place: The CCIB

ThermoFisher
Scientific
Company Sponsored Symposium (CSS 7)  

Thermo Fisher Scientific

**Allergen Components and Antibodies – Impact on Patient Management**  
**Hall A**

**Chair:** Marianne van Hage, Sweden

- **Benign versus pathologic allergy – new immunological insights**  
  Patrick Holt, Australia

- **The role of components in the diagnosis of food allergy**  
  Hugh Sampson, United States

- **IgE and IgG4 antibodies in peanut allergy – Learnings from the Leap study**  
  Gideon Lack, United Kingdom

- **Furry animal allergens, alpha-Gal and red meat – A European perspective**  
  Marianne van Hage, Sweden

Company Lunch Symposium (CLS 1)  

MEDA Pharma GmbH & Co. KG

**Beware of Allergy: tackling the problem**  
**Hall A**

**Chair:** Nikos Papadopoulos, Greece

- **Introduction**  
  Nikos Papadopoulos, Greece

- **Beware of allergy campaign**  
  Nikos Papadopoulos, Greece

- **Beware rhinitis and asthma**  
  Glenis K. Scadding, United Kingdom

- **Beware atopic dermatitis**  
  Thomas Werfel, Germany

- **Beware anaphylaxis**  
  Antonella Muraro, Italy

- **Discussion**  
  Nikos Papadopoulos, Greece
Meda is pleased to invite you to attend our lunch symposium

Beware of Allergy: Tackling the problem

Chairman: Prof Nikos Papadopoulos

Join us for lunch and dialogue on:
Tuesday June 9th
12.15–13.15h
Hall A

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Exhibition Floorplan

Exhibition opening hours:
- Sunday, 7 June 2015: 09:00 – 17:30
- Monday, 8 June 2015: 09:00 – 17:30
- Tuesday, 9 June 2015: 09:00 – 17:30
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Abionic SA

EPFL Innovation Park B
1015 Lausanne
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Email: info@abionic.com
www.abionic.com

Based on a disruptive nanotechnology, Abionic is committed to improving the world of allergy diagnostics through innovation by providing a rapid quantitative platform to medical practitioners.

Aerocrine AB

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Email: info@aerocrine.com
www.aerocrine.com

Aerocrine AB is a medical products company focused on improved management and care of patients with inflammatory airway diseases such as asthma. Aerocrine markets NIOX MINO® and NIOX VERO® which enables fast and reliable point-of-care measurement of allergic airway inflammation. These products play an important role in more effective diagnosis, treatment and follow-up of patients affected with inflammatory airway diseases. Aerocrine is based in Sweden with subsidiaries in the US, Germany, Switzerland and the UK. For more information please visit www.niox.com.

ALK

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Telephone: +45 45 74 75 76
www.alk.net

ALK is a research-driven global pharmaceutical company with the mission to improve quality of life for people with allergy by developing pharmaceutical products that target the actual cause of allergy. ALK is a leader in allergy immunotherapy (AIT) - a unique treatment whose protective immune response reduces and potentially halts the allergic reaction. To offer as many patients as possible a causal allergy treatment, AIT is available as SLIT-tablets, subcutaneous injections and sublingual droplets. ALK also provides emergency allergy treatment for food- and untreated venom allergy. ALK has approx. 1 800 employees with subsidiaries, production facilities and distributors worldwide.

Allergen Research Corporation

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Telephone: +1 65 06 14 52 24
Email: jsuttner@allergenresearch.com
www.allergenresearch.com

Allergen Research Corporation (ARC), founded in 2011, develops treatments for food allergies using characterized oral desensitization immunotherapy (CODIT™), its proprietary approach to oral immunotherapy (OIT). CODIT combines standardized, pharmaceutical-grade food allergens with controlled up-dosing protocols to desensitize patients and increase the thresholds at which they could experience allergic reactions. ARC has completed a successful Phase 2 study of its lead product, AR 101, a standardized, pharmaceutical-grade peanut protein formulation for the treatment of peanut allergy, and is developing CODIT for other common food allergies, including egg and milk.

Allergopharma GmbH & Co. KG

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Telephone: +49 40 72 76 50
Email: info@allergopharma.com
www.allergopharma.com

Allergopharma is one of the leading companies in the field of allergen immunotherapy (AIT). We provide innovative products for the causal treatment of IgE-mediated allergic diseases and are one of the market leaders for subcutaneous AIT. Our portfolio includes a diverse spectrum of approved allergen products that meet high quality standards. We offer high-dose, hypoallergenic, standardised products for the specific immunotherapy of pollen and mite allergies. Products of Allergopharma are available in more than 20 markets worldwide. Across the different countries, we have own affiliates – either Allergopharma or Merck affiliates – or work with distribution partners.

Allergy Therapeutics plc.

Dominion Way
Worthing, West Sussex, BN1 4 BSA
United Kingdom
Contact: Marina Milite
Telephone: +44 19 03 84 47 20
Email: infoservices@allergytherapeutics.com
www.allergytherapeutics.com

Allergy Therapeutics plc is a fully integrated pharmaceuticals company with a profitable core business and a unique development pipeline with the potential to transform allergy treatment. The company has its own European sales & marketing infrastructure, GMP manufacturing, R&D facilities and 360 employees. The core business has profitable sales of £43.6m supporting to develop unique, next generation, disease modifying allergy vaccines. Established in 1934, Allergy Therapeutics was listed on the London Stock Exchange’s AIM in 2004 (AGYL) Allergy Therapeutics has a long-term commitment to research and in particular development of innovative therapies for the treatment and prevention of allergy-related conditions.
Subcutaneous AIT
Allergopharma - the specialist in diagnosis and therapy of allergic diseases
American Academy of Allergy, Asthma & Immunology (AAAAI)

555 East Wells Street, Suite 1100
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United States
Contact: Bert Slivensky, CAE
Telephone: +1 414 27 26 071
Email: info@aaaai.org
www.aaaai.org

The American Academy of Allergy, Asthma & Immunology (AAAAI) represents allergists, asthma specialists, clinical immunologists, allied health professionals and others with a special interest in the research and treatment of allergic and immunologic diseases. Established in 1943, the AAAAI has nearly 7,000 members in the United States, Canada and 72 other countries.

ANALLERGO SRL

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Email: info@anallergo.it
www.anallergo.it

Anallergo is a biotechnology company focusing in the field of therapies for allergic diseases such as rhinitis, conjunctivitis, asthma and atopic dermatitis. Anallergo is a fully integrated pharmaceutical company (Research, Development, Production, Sales). The research of advanced immunotherapies is our main driver. Our fields of research include high purity raw materials, new production process technology and new therapies. Our main projects are the following:
- Insect Venoms source material
- Inactivated bacterial process technology
- Advanced immunotherapies

The brand plant located near Florence is ready to supply Sublingual Immunotherapy (SLIT), Subcutaneous Immunotherapy (SCIT) and Advanced Immunotherapies in Europe and to the international markets.

AstraZeneca

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Email: Raksh.Kantaria@astrazeneca.com
http://www.astrazeneca.com

AstraZeneca is a global, innovation-driven biopharmaceutical business that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of cardiovascular, metabolic, respiratory, inflammation, autoimmunity, oncology, infection and neuroscience diseases. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide. For more information please visit www.astrazeneca.com.
Integrated management of HDM respiratory allergy

Monday 8 June 13.45 - 15.15 hrs in Hall A

Faculty

Henrik Jacobi
Denmark

Jörg Kleine-Tebbe
Germany

Santiago Quirce
Spain

Glenis K Scadding
United Kingdom

J Mark FitzGerald
Canada

Moisés A Calderón
United Kingdom
BÜHLMANN Laboratories AG
Baselstrasse 55
4124 Schönenbuch
Switzerland
Contact: Dr Michele Romano
Telephone: +41 61 48 71 212
Email: info@buhlmannlabs.ch
www.buhlmannlabs.ch

BÜHLMANN is a fully independent, globally active Swiss based company offering cellular allergen stimulation tests since 1995. These tests are based on in-vitro activation of basophiles upon specific allergen contact with determination of cell surface marker CD63 and CD203c via flow-cytometry, or secreted leukotrienes via ELISA. They provide functional results beyond the specific IgE methods and significantly improve detection of drug, venom and food allergies. BÜHLMANN, the only company offering more than 160 standardised allergens in combination with our BAT tests, is focused on the continuous development of new allergens to extend this exclusive panel.

CSL Behring
P. O. Box 1230
35002 Marburg
Germany
Contact: Hanno Waldhauser
Telephone: +49 64 21 39 45 13
Email: hanno.waldhauser@cslehring.com
www.cslehring.com

CSL Behring is a leader in the plasma protein therapeutics industry. Committed to saving lives and improving the quality of life for people with rare and serious diseases, the company manufactures and markets a range of plasma-derived and recombinant therapies worldwide. CSL Behring therapies are used around the world to treat coagulation disorders including hemophilia and von Willebrand disease, primary immune deficiencies, hereditary angioedema and inherited respiratory disease, and neurological disorders in certain markets. The company’s products are also used in cardiac surgery, organ transplantation, burn treatment and to prevent hemolytic disease of the newborn.

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Email: josien.hoppenbrouwers@danone.com
www.danone.com

Danone Nutricia Early Life Nutrition and Nutricia Advanced Medical Nutrition are divisions of Danone. Danone Nutricia Early Life Nutrition’s mission is to partner with parents and healthcare professionals, providing a complete range of nutritional solutions in allergy management, to complement breastfeeding and support child long life health around the world. At Nutricia Advanced Medical Nutrition our mission is to lead the use of specialised nutrition in disease management. In paediatrics, Nutricia brings proven solutions that improve clinical outcomes and restore quality of life for children and their carers in areas such as cow’s milk allergy, faltering growth and metabolic disorders.

Diater Laboratorios S.A.
Avenida Gregorio Peces Barba 2
28918 Leganes
Spain
Contact: Angel Vallverdu
Telephone: +34 91 64 96 013
Email: r.fuentes@diater.com
www.diater.com

Diater Laboratorios is a pharmaceutical company specialised in manufacturing and marketing allergenic extracts for the diagnosis and treatment of immunoglobulin e-mediated allergic diseases. The company, which is headquartered in Leganés, Madrid, was founded in 1999 and has been part of the Grupo Ferrer since 2011. Development and investment in R&D throughout these years have resulted in innovative products such as Diater Alt a 1 and test diagnostics for diagnosis of drug hypersensitivity (DAP). The company’s products are currently present in over 30 countries around the world thanks to the solid strategic and business partnerships established throughout these years.

DR. FOKE-ACHTERRATH LABORATORIEN GMBH
Habichtweg
41468 Neuss
Germany
Contact: Dr Margrit Fooke
Telephone: +49 17 21 90 55 80
Email: mfooke@fooke-labs.de
www.fooke-labs.de

Dr. Fooke Laboratorien GmbH has 25 years of experience in immunoassay development and production aiming to enhance in-vitro diagnostics by providing innovative high quality allergy and autoimmune assay systems. We take state-of the art technologies to flexible and reliable routine applications including manual and fully automated solutions. This concept drives us to support patients and clinicians worldwide.

DST Diagnostische Systeme & Technologien GmbH
Gueterbahnhofstr. 16
19059 Schwerin
Germany
Contact: Dr Florian Eckhardt
Telephone: +49 38 53 03 480
Email: info@dst-diagnostic.com
www.dst-diagnostic.com

DST GmbH develops, manufactures and markets in-vitro diagnostics for the diagnosis and monitoring of allergies and food intolerances. We offer high-quality diagnostic solutions for both rapid point-of-care testing and laboratory use (ELISA, BAT, CAST). In addition, we sell more than 600 different standardised and purified allergens for cellular and IVD testing. Our commitment is to provide quality products that are convenient, informative and reliable.
Satellite Symposium

Severe asthma: unravelling Type 2 pathways

An interactive, intriguing and insightful discussion, exploring the problem of severe asthma and what drives our patients’ disease

Sunday 7th June, 17:30–19:00, Room 115

An international respiratory faculty chaired by Professor Douglas Robinson (London, UK)

17:30 Introduction: The problem of severe asthma

17:40 Chair-led discussion

• What is severe asthma and what is Type 2-driven asthma?
• What are the key pathways involved in Type 2-driven asthma?
• How can we identify these pathways in our patients with severe asthma?

18:45 Summary

18:50 Q&A

This symposium is not intended for physicians practicing in the US
EUROIMMUN AG

Seekamp 31
23560 Luebeck
Germany
Contact: Dr Thomas Loewe
Telephone: +49 45 15 85 50
Email: events@euroimmun.de
www.euroimmun.de

EUROIMMUN develops, produces and distributes an extensive range of serological test systems (indirect immunofluorescence, ELISA, immunoblot, and radioimmunoassay) for laboratory diagnostics in the areas of autoimmunity, infectious serology and allergology. For in vitro allergy diagnostic EUROIMMUN has access to more than 600 different allergens and allergen components and provides reliable screening assays for the efficient determination of IgE antibodies. At EUROIMMUN great value is placed on providing reliable technical advice to customers and supporting them in the use of diagnostically demanding products.

FAES FARMA

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Spain
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Telephone: +35 12 14 75 83 00
Email: sandra.miguel@labvitoria.pt
www.bilastine.com

FAES FARMA is a leading Spanish company which researches, produces and commercialises pharmaceutical products and raw materials. It exports to over 60 countries. Maximum pharmacological quality in its products is a core objective.

FAES FARMA has its head office in Madrid and R&D centre in Bilbao, working with Laboratórios Vitória in Lisbon (with production plants in two cities) and with INGASO FARM. FAES FARMA has another two subsidiaries and three sales offices abroad, present in 45 countries with over 800 employees.

Bilastine is the latest new product from FAES FARMA research. A new second generation, non-sedating antihistamine, it is already available in more than 50 countries.

Fraunhofer ITEM

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30625 Hannover
Germany
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Email: jens.hohlfeld@item.fraunhofer.de
www.item.fraunhofer.de

Fraunhofer ITEM offers preclinical and clinical contract research in the field of respiratory diseases. Clinical proof of concept studies are performed with a variety of challenge models, in particular, the Fraunhofer environmental challenge chamber. Clinical trials (phase I-IV) for asthma, allergic rhinitis or COPD are conducted with state-of-the-art clinical and immunological read-out parameters.

Global Allergy and Asthma Patient Platform

c/o GAAPP, Altgasse 8-10
1130 Vienna
Austria
Contact: Antje-Henriette Fink-Wagner
Telephone: +49 17 17 61 69 23
Email: antjefinkwagner@gmx.de / info@ga2p2.org
www.ga2p2.org

GAAPP – The Global Allergy and Asthma Patient Platform – is an association of organisations from all continents with currently 33 member organisations supporting patients by protecting their rights and insisting on the duties of governments, health-care professional organisations, and the general public. We assist the founding of patient organisations in emerging countries. Since 2013, we also work for patients with urticaria.

HAL Allergy

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2333 CH Leiden
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Telephone: +31 88 95 90 00
Email: info@hal-allergy.com
www.hal-allergy.com

HAL Allergy Group is a modern leader and innovator in the field of biopharmaceuticals and located at the Bio Science Park in Leiden, The Netherlands. Our core business is the production of allergen extracts, both for therapeutic and diagnostic purposes as well as contract manufacturing with focus on biopharmaceutical products for preclinical and clinical studies. With offices in major European countries, HAL Allergy is one of the European top players, particularly in the field of allergy. Established in 1959 we have long experience in developing and producing therapies against pollen, house dust mite, and insect venom allergy.

Hitachi Chemical Diagnostics Inc.

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Contact: Dr Nick Sturley
Telephone: +44 16 28 58 55 90
Email: info@hcdiagnostics.com
www.hcdiagnostics.com

Hitachi Chemical Diagnostics manufactures and markets Allergen Specific IgE Assays which offer a unique approach to in vitro multiplex allergy diagnosis worldwide. A panel of up to 36 allergens, specific to geographical location, can be simultaneously tested for allergic severity on a single serum sample. Panel testing provides more clinical information for each sample and is economical to perform. Test automation is provided through a state of the art instrument which can process up to 20 samples / 720 allergens per run.
AMAZED

FeNO guided asthma management reduces exacerbations up to 50% 1,2,3,4

FeNO testing is recommended by NICE*  Visit http://guidance.nice.org.uk/DG12

*UK National Institute for Health and Care Excellence

Regular FeNO* testing of asthma patients, measures T helper cell 2 driven allergic inflammation and helps to:

- Reveal if your patient will benefit from ICS** treatment
- Optimise ICS dose and reduce exacerbations up to 50%，1,2,3,4
- Detect patient non-adherence to ICS 5

While improving asthma outcomes 1,2,3,4 and reducing costs 6

*Fractional exhaled nitric oxide, **inhaled corticosteroids

Contact Aerocrine today to experience the difference FeNO makes in your clinic: sales@aerocrine.com

Indoor Biotechnologies Ltd C.15

Cardiff Medcentre, Heath Park
Cardiff, CF1 4UJ
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Indoor Biotechnologies manufactures purified natural and recombinant allergens, ELISA (including pre-coated) and multiplex immunoassay systems for allergen detection, dust sampling devices, and a home consumer test for dust mite allergen detection. We provide allergen, endotoxin and mould antigen testing at our laboratories at Cardiff, UK, and Charlottesville, Virginia. Indoor Biotechnologies has served academic and government researchers, the indoor air quality industry, allergy vaccine manufacturers and the biopharmaceutical industry since 1994 and is considered a world leader in environmental allergen measurement. Our mission is to improve patient care through research, education and developing cutting edge technologies that serve our clients worldwide.

INFLAMAX RESEARCH INC. C.10

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Inflamax Research is a full-service contract research organisation that specialises in allergy, asthma, COPD and dermatology with extensive experience in design and conduct of clinical trials Phase I-IV. Inflamax offers proprietary Natural Environmental Exposure Chamber models, available for clinical research studies. Allergy models have been validated for ragweed, grass, tree, house dust mite and cat. Inflamax has a unique, patented mobile EEC model which can be located anywhere worldwide for use in multicentre trials. Inflamax is developing a consortium of specialised investigators and have access to specific patient populations. For more information, please contact Cynthia O’Brien at 507-208-5012 or cobrien@inflamaxresearch.com.

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INMUNOTEK is a pharmaceutical company based in Madrid (Spain) which researches, develops, manufactures and commercialises products in the field of Allergy & Immunology for the diagnosis and treatment of allergic respiratory diseases for human and veterinary use. From the outset, our goal has been to offer innovative, effective and safe products of the highest quality. We have a highly professional and motivated team, state-of-the-art facilities and a broad product portfolio that meets the therapeutic patient’s needs.

INMUNOTEK complies with GMPs, with our products approved by the Spanish Drug Agency and currently exporting to more than 30 countries.

Karger Publishers D.01

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Based in Basel, Switzerland, Karger is a leading international publisher of books and journals in the biomedical sciences. We are pleased to present our latest publications in Allergy/Immunology including the new release ‘Food Allergy: Molecular Basis and Clinical Practice’, edited by M. Ebisawa, B. Ballmer-Weber, S. Vieths and R.A. Wood. Free journal sample copies of ‘International Archives of Allergy and Immunology’, ‘Journal of Innate Immunity’ and ‘Dermatology’ are available at our exhibition booth (D.01). On the occasion of Karger’s 125th anniversary, visitors are invited to participate in a competition to win a free journal online subscription.

LABORATORIOS LETI, S.L. unipersonal C.23

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Email: jbenages@leti.com
www.leti.com

Laboratorios LETI has been working with commitment and dedication in the field of immunology since 1919 and driving advances in the diagnosis and treatment of allergy since 1941. LETI is pursuing and intensive R&D program directed at providing safer and more effective therapeutic vaccines for the treatment of allergy. Its industrial plant and allergy research laboratory is located in Tres Cantos (Madrid).

Lofarma S.p.A. C.18

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Lofarma is the unique company that provides the monomeric allergoids for allergen immunotherapy. The treatment is based on a specific chemical modification by which native allergens are modified into monomeric allergoids. Lofarma S.p.A., born 70 years ago, is committed to manufacture and to sell allergen immunotherapies, diagnostics, medical devices and branded pharmaceuticals. Lofarma is a pharmaceutical company operating worldwide: to date, it has affiliates and distributors in Germany, Portugal, Albania, Hungary, Greece, Mexico, Russia and South Korea (www.lofama.com).
Updated MACVIA ARIA ICP: The next step in AR management

Monday June 8th 2015
12.30h – 13.30h
Room 112

Introduction
Prof Jean Bousquet (France)

The AIRWAYS ICP: A simpler way to manage AR
Dr Davide Caimmi (France)

Allergy Diary App: Digitally integrating with the ICP
Dr Dermot Ryan (UK)

Updated MACVIA ARIA ICP: A new look
Prof Jean Bousquet (France)

VAS: The common communication platform
Prof Peter Hellings (Belgium)

Wrap up and discussion
All

Join us for lunch and dialogue at EAACI 2015

Download ‘Allergy Diary’ today!
**Exhibitor Editorials**

**Marti Tor Alergia SL**

C.16

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Email: info@martitoralergia.com
www.martitoralergia.com

Since 1975, Marti Tor has successfully worked in the contact dermatitis field and managed different activities and cooperation with health care professionals around Spain. Today, Marti Tor Alergia has the widest portfolio of allergens and accessories for patch testing and recognition among contact dermatitis experts around Spain.

**Meda Pharma GmbH & Co. KG**

B.07

Benzstrasse 1
61352 Bad Homburg
Germany
Contact: Beate Koos
Telephone: +49 61 72 88 82 402
Email: beate.koos@medapharma.de
www.meda.se

Meda is a leading international specialty pharma company with a broad product portfolio and its own sales organisations in over 60 countries. Including those markets where sales are managed by distributors, Meda’s products are sold in more than 150 countries. Meda’s product portfolio is well diversified and spans several therapeutic areas and product areas, and includes both prescription drugs (Rx) and non-prescription drugs (both Cx and OTC products). Even though Meda is involved in several therapeutic areas, there are three prioritised areas in terms of development, M&A and marketing focus: respiratory, dermatology, and pain and inflammation.

**Mobile Chamber Experts GmbH**

A.11

c/o ECARF, Robert Koch Platz 7
10115 Berlin
Germany
Contact: Steen Thaarup
Telephone: +49 30 85 74 89 407
Email: st@mcxperts.com
www.mcxperts.com

Mobile Chamber Experts (MCX) provides mobile allergen exposure chambers for clinical testing of allergy drugs. The mobile chamber guarantees certainty of allergens in the air, and you can perform clinical allergy trials all the year around – anywhere. The controlled environment increases the efficiency of your trials by reducing the number of patients and increasing the validity of data. The mobility of the chamber gives identical study conditions in your multi-center trials everywhere, thus patient recruitment is facilitated. It takes only a couple of hours from arrival until the chamber is fully operational.

**Nestlé**

C.03

Av. Reller 22
1800 Vevey
Switzerland
Contact: Laura Taylor
Telephone: +41 21 92 44 081
Email: Laura.Taylor@nestle.com
www.nestle.com

Nestlé Nutrition helps the next generation of children to develop their full potential and live healthier lives by providing high quality, innovative, science-proven nutrition solutions and education for mothers and infants in the crucial first 1000 days’ of life. Nestlé Health Science is a health-science company engaged in advancing the role of nutritional therapy to change the course of health for consumers, patients and our partners in healthcare. The Nestlé Nutrition Institute (NNI) shares leading science based information and education with health professionals, scientists, nutrition communities and stakeholders in an interactive way.

**Novartis Pharma AG**

B.01

Novartis Campus, Forum 1
4002 Basel
Switzerland
Contact: Liselle Mulcaire
Telephone: +41 61 32 46 861
Email: liselle.mulcaire@novartis.com
www.novartis.com

Novartis provides innovative healthcare solutions that address the evolving needs of patients and societies. Headquartered in Basel, Switzerland, Novartis offers a diversified portfolio to best meet these needs: innovative medicines, eye care, cost-saving generic pharmaceuticals, preventive vaccines and over-the-counter products. Novartis is the only global company with leading positions in these areas. Novartis Group companies employ approximately 130,000 full-time-equivalent associates. Novartis products are available in more than 180 countries around the world. For more information, please visit http://www.novartis.com

**Omega Diagnostics GmbH**

C.08

Herrengraben 1
21465 Reinbek
Germany
Contact: Jane McCormack
Telephone: +49 40 63 66 54-0
Email: info@omegadiagnostics.de
www.omegadiagnostics.de

Omega Diagnostics GmbH develop, manufacture and sell allergy tests for over 600 allergens. It has more than 20 years experience in the development of products for the diagnosis of allergic diseases. During this time, the company has gained a substantial understanding and knowledge in the production and standardisation of allergen extracts. This supports its current product offering and is being applied in the development of new in vitro diagnostic products and systems.
Teva Respiratory Presents

From Inhalers to IL-5 Antibodies: Shaping the Evolution of Asthma Management

SUNDAY 7 JUNE, 17:30–19:00
ROOM 114, LEVEL 1
CENTRE DE CONVENCIONS INTERNACIONAL DE BARCELONA, SPAIN

Chair: Marc Humbert

Dave Singh:
Managing the day-to-day challenges of patients with asthma

Sinthia Bosnic-Anticevich:
Meeting the needs of our patients: optimising inhaler use

Guy Brusselle:
Targeting IL-5: the latest news and views
Red Maple Trials

2935 Conroy Road, Unit 110
K1G 6C6 Ottawa
Canada
Contact: Rachel Harrison
Telephone: +1 61 33 68 43 20
Email: info@redmapletrials.com
www.redmapletrials.com

Red Maple Trials provides specialty services in allergy, asthma and immunology clinical research, highlighted by our next generation Allergen Challenge Theatre (environmental exposure chamber). Our clinical trial facilities are capable of executing on Phase I through IV studies, and our experienced team provides site management services for our biopharmaceutical partners.

Shire International GmbH

Zählereweg 10
6301 Zug
Switzerland
Contact: Antia Hunziker
Telephone: +41 41 28 84 000
Email: ahunziker@shire.com
www.shire.com

Shire is a leader in the development of orphan drugs for rare diseases, delivering the science that offers hope to those with rare conditions such as Hereditary Angioedema (HAE), Hunter syndrome, Fabry disease, and Gaucher disease. Our goal is to enable people with life-altering conditions to lead better lives. This means we focus on developing treatments for conditions where the impact of our medicines can make an immediate and tangible difference for patients.

Siemens Healthcare Diagnostics

500 GBC Drive
19702 Newark, Delaware
United States
Contact: Christine Larriva
Telephone: +1 30 26 31 04 40
Email: Christine.V.Larriva@siemens.com
www.siemens.com/allergy

Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat and monitor patients. Our innovative portfolio of performance-driven solutions and personalised customer care combine to streamline workflow, enhance operational efficiency and support improved patient outcomes.

STALLERGENES is a global healthcare company specialised in the diagnosis and treatment of allergies. For more than 50 years, it has been expanding the existing frontiers of science to provide allergy patients with more effective long-lasting therapeutic options. Thanks to its innovation strategy, fuelled by investments in Research and Development amounting to around 20% of total annual revenues, STALLERGENES is able to provide targeted allergen immunotherapy-based allergy solutions that significantly improve the lives of allergy patients around the world. STALLERGENES operates in 23 countries and employs over 1,000 people. In 2014, more than 500,000 patients were treated with STALLERGENES products.
Teva Pharmaceuticals Europe

Piet Heinkade 107
1019 GM Amsterdam
The Netherlands
Contact: Joachime Brok
Telephone: +31 20 21 93 364
Email: Joachime.Brok@Tevaeu.com
www.tevapharm.com

Teva Pharmaceutical Industries Ltd (NYSE and TASE: TEVA) is a leading global pharmaceutical company that delivers high-quality, patient-centric healthcare solutions. Teva is the world’s largest generic medicines producer, leveraging its portfolio of more than 1,000 molecules. Teva has a world-leading position in innovative treatments for disorders of the central nervous system, including pain and respiratory products. Teva integrates its generics and specialty capabilities in its global research and development division to create new ways of addressing unmet patient needs by combining drug development capabilities with devices, services and technologies. Teva’s net revenues in 2014 amounted to $20.3 billion.

The Menarini Group

Via Sette Santi 1
50131 Florence
Italy
Contact: Andrea Nervegna
Telephone: +39 34 83 36 60 76
Email: anervegna@menarini.it
www.menarini.com

A. Menarini is the largest Italian pharmaceutical group: it ranks the world’s number 37 and Europe’s number 17. The Menarini Group is investing 9.1% of its revenues from prescription drugs in R&D, mainly in the cardiovascular field, pain-inflammation, rheumatology and respiratory. Recently, Menarini has strengthened its presence in the allergic and respiratory field with BILASTINE, a new non-sedative antihistamine drug and ACLIDINIUM, a new selective muscarinic receptor antagonist with a longer residence time at the M3 receptors than the M2 receptors.
Thermo Fisher Scientific

Rapsgatan 7P, P.O. Box 6460
751 37 Uppsala
Sweden
Telephone: +46 18 16 50 00
Email: info-ua.idd@thermofisher.com
thermoscientific.com/phadia

As the ImmunoDiagnostics experts within Thermo Fisher Scientific, we work to significantly improve the management of allergy, asthma and autoimmune diseases. We do this by providing healthcare professionals with superior diagnostic technologies and clinical expertise. This results in better healthcare and quality of life for millions of patients and their families.

Uriach

Pol. Industrial Riera de Caldes, Av. Camí Reial 51-57
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Contact: Eva Gimeno
Telephone: +34 90 24 71 511
Email: eva.gimeno@uriach.com
www.uriach.com

Uriach is a Spanish private pharmaceutical company based in the Barcelona area.

In the pharmaceutical business for over 177 years, it is one of the leading domestic companies. Uriach has always been marked by a strong entrepreneurial character, with an emphasis on scientific and commercial innovation. More than 50 years of continuous devotion to R&D and a team of highly qualified professionals have allowed us to commercialise our products in more than 70 countries. RUPATADINE, a new generation and potent antihistamine with PAF-Antagonist activity is Uriach's contribution to the treatment of allergic conditions.

Wiley

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Oxford, OX4 2DQ
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Wiley proudly publishes Allergy and Pediatric Allergy and Immunology (PAI), the professional journals of the European Academy of Allergy and Clinical Immunology. Wiley is the leading society publisher, offering libraries and individuals 1250 online journals, thousands of books and e-books, reviews, reference works, databases, and more. For more information, visit www.wiley.com, or our online resource: onlinelibrary.wiley.com

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World Allergy Organization

555 East Wells Street, Suite 1100
53202-3823 Milwaukee, WI
United States
Contact: Amanda Hegg
Telephone: +1 41 42 76 17 91
Email: info@worldallergy.org
www.worldallergy.org

The World Allergy Organization (WAO) is an international umbrella organization whose members consist of 95 regional and national allergology and clinical immunology societies from around the world. By collaborating with member societies, WAO is a global resource and advocate in the field of allergy; visit our booth to learn more.
Uriach Sponsored Symposium at the EAACI Congress 2015
Barcelona
Monday 8 June
15:45 - 17:15
Room 111

MATCHING SCIENCE AND PRACTICE IN THE MANAGEMENT OF ALLERGIC DISORDERS

Chairpersons
Victoria Cardona, Spain
Jean Bousquet, France

Lectures and speakers
Consolidated evidence of Rupatadine in the management of allergic rhinitis.
Joaquim Mullol, Spain

Histamine and PAF as therapeutic targets in chronic urticaria.
Marcus Maurer, Germany

Rupatadine in children with allergic rhinitis or urticaria: unique aspects.
F. Estelle R. Simons, Canada
## Hotels in Barcelona

<table>
<thead>
<tr>
<th>Hotel name</th>
<th>Street</th>
<th>Estimated travel time to Congress venue (CCIB)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4 Star Hotels</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. AC Barcelona Forum</td>
<td>Passeig del Taulat, 27B</td>
<td>1 minute (W)</td>
</tr>
<tr>
<td>2. Alexandra Doubletree by Hilton</td>
<td>Carrer de Mallorca, 251</td>
<td>30-35 minutes (PT)</td>
</tr>
<tr>
<td>3. Attica 21 Barcelona Mar</td>
<td>Carrer dels Provençals, 10</td>
<td>10-15 minutes (W)</td>
</tr>
<tr>
<td>4. Barcelo Atenea Mar</td>
<td>Passeig García i Fària, 37 - 47</td>
<td>15 minutes (W)</td>
</tr>
<tr>
<td>5. Barcelona Princess</td>
<td>Avinguda Diagonal, 1</td>
<td>5 minutes (W)</td>
</tr>
<tr>
<td>6. Catalonia Barcelona Plaza</td>
<td>Plaza Española, 6-8</td>
<td>35 minutes (PT)</td>
</tr>
<tr>
<td>7. Colon</td>
<td>Avinguda de la Catedral, 7</td>
<td>25 minutes (PT)</td>
</tr>
<tr>
<td>8. Condes de Barcelona</td>
<td>Passeig de Gràcia, 73</td>
<td>30-35 minutes (PT)</td>
</tr>
<tr>
<td>9. España</td>
<td>Carrer de Sant Pau, 9-11</td>
<td>30 minutes (PT)</td>
</tr>
<tr>
<td>10. Euro Hotel Diagonal Port</td>
<td>Carrer de Lope de Vega, 4</td>
<td>15-20 minutes (PT)</td>
</tr>
<tr>
<td>11. H10 Marina Barcelona</td>
<td>Avinguda del Bogatell, 64</td>
<td>20 minutes (PT)</td>
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<tr>
<td>12. Hesperia del Mar</td>
<td>Espronceda, 6</td>
<td>15-20 minutes (PT)</td>
</tr>
<tr>
<td>13. Hilton Diagonal Mar</td>
<td>Passeig del Taulat, 262-264</td>
<td>5 minutes (W)</td>
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<tr>
<td>14. Hotel 4 Barcelona</td>
<td>Carrer del Doctor Trueta, 164</td>
<td>20 minutes (PT)</td>
</tr>
<tr>
<td>15. Hotel Front Maritim</td>
<td>Passeig García i Fària, 69-71</td>
<td>10-15 minutes (W)</td>
</tr>
<tr>
<td>16. Hotel Melia Barcelona Sky</td>
<td>Carrer de Pere IV, 272</td>
<td>10-15 minutes (PT)</td>
</tr>
<tr>
<td>17. Hotel Pulitzer</td>
<td>Carrer Bergara, 8</td>
<td>30 minutes (PT)</td>
</tr>
<tr>
<td>18. Hotel Regina</td>
<td>C/ Bergara, 4</td>
<td>30 minutes (PT)</td>
</tr>
<tr>
<td>19. Hotel Avenida Palace</td>
<td>Gran Via de les Corts Catalanes, 605</td>
<td>25 minutes (PT)</td>
</tr>
<tr>
<td>20. NH Calderon</td>
<td>Rambles de Catalunya, 26</td>
<td>25 - 30 minutes (PT)</td>
</tr>
<tr>
<td>21. NH Podium</td>
<td>Calle Bailén, 4-6</td>
<td>30 - 35 minutes (PT)</td>
</tr>
<tr>
<td>22. Novotel Barcelona City</td>
<td>Avinguda Diagonal, 201</td>
<td>10 - 15 minutes (PT)</td>
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<tr>
<td>23. Salies Pere</td>
<td>Carrer de Pallars, 128-130</td>
<td>20 minutes (PT)</td>
</tr>
<tr>
<td>24. SB Diagonal Zero Barcelona</td>
<td>Plaça de Llevant, s/n</td>
<td>2 minutes (W)</td>
</tr>
<tr>
<td>25. SB Icária</td>
<td>Avinguda Icária, 195</td>
<td>20-25 minutes (PT)</td>
</tr>
<tr>
<td>26. Silken Diagonal Barcelona</td>
<td>Avinguda Diagonal, 205</td>
<td>10-15 minutes PT</td>
</tr>
<tr>
<td>27. Tryp Condal Mar</td>
<td>Cristobal de Moura, 138</td>
<td>15 minutes (PT)</td>
</tr>
<tr>
<td>28. Vincci Bit</td>
<td>Carrer de Josep Pla, 69</td>
<td>10 minutes (W)</td>
</tr>
<tr>
<td>29. Vincci Gala</td>
<td>Ronda de Sant Pere, 32</td>
<td>25 minutes (PT)</td>
</tr>
<tr>
<td>30. Vincci Maritimo</td>
<td>Calle Lliu, 340</td>
<td>10 minutes (W)</td>
</tr>
<tr>
<td><strong>3 Star Hotels</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31. Four Points by Sheraton</td>
<td>Avinguda Diagonal, 161-163</td>
<td>10-15 minutes (PT)</td>
</tr>
<tr>
<td>32. Holiday Inn Express Barcelona City</td>
<td>Carrer de Pallars, 203</td>
<td>20 minutes (PT)</td>
</tr>
<tr>
<td>33. Hotel Indigo Barcelona</td>
<td>Gran Via de les Corts Catalanes, 629</td>
<td>30 minutes (PT)</td>
</tr>
<tr>
<td>34. NH Diagonal Center</td>
<td>Carrer Alaba, 94-96</td>
<td>20 minutes (PT)</td>
</tr>
<tr>
<td><strong>2 Star Hotels</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35. Ibis Barcelona Plaça Glories 22</td>
<td>Carrer de la Ciutat de Granada, 99</td>
<td>20 minutes (PT)</td>
</tr>
<tr>
<td>36. Travelodge Barcelona Poblenou Hotel</td>
<td>Carrer de Lliu, 170</td>
<td>20 minutes (PT)</td>
</tr>
</tbody>
</table>

*PT = Public transport  \ W = Walking distance

* Rates include breakfast, local VAT, city tax and service charges
PERSONALIZING MEDICINE FOR TH2 OBSTRUCTIVE AIRWAY DISEASE: PHENOTYPES AND THE FUTURE

Chaired by Thomas B Casale, MD

The Emerging Role of Biomarkers and Diagnostics: Getting the Right Drug to the Right Patient at the Right Time
Leif Bjermner, MD
Lund University, Sweden

Targeted Immune Therapy for Eosinophilic/Th2-Driven Severe Asthma
Thomas B Casale, MD
University of South Florida, USA

Treating COPD Phenotypes in the Era of Biologics
Gerard Criner, MD, FACP, FACC
Temple University, USA

MONDAY, 8 JUNE 2015
17:30–19:00
Room 113 Floor 1 (P1)
Barcelona International Convention Centre

Refreshments will be served

This educational event has been funded and organised by AstraZeneca