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Dear friends and colleagues,

Welcome to the EAACI Annual Congress 2016 in Vienna! It is our pleasure to host you at the major annual EAACI event to share and discuss standard procedures and new ideas in clinical practice, basic science, translational medicine, and education. The idea of intense networking is reflected by our theme “Waltzing with Allergens”. The classical Viennese waltz was made famous by the Strauss family in the nineteenth century, with dozens of partners stepping and circling, adapting to the constantly changing tempo of the dance, progressing through the grand ballroom as one impressive whole. Similarly, advances in research, diagnosis and treatment of allergic and immunologic diseases are the result of many partnerships between traditional methods of observation and modern methodology, experience and innovation, and basic scientists and clinicians. I express my gratitude to the Scientific Programme Committee and particularly to the Scientific Programme Coordinator, Edward Knol, for putting together a fantastic programme that we believe will offer something for everyone. We invite you to start your Congress experience with a postgraduate course on Saturday, followed by the Opening Ceremony in the evening which will also include the conferring of the EAACI Awards. The clinical village is open on Saturday and Sunday from 2–6 pm and provides hands-on demonstrations covering relevant techniques in clinical practice. The programme provides six Plenary Symposia, 56 Symposia, Interactive and practical Workshops, Hot Topic Symposia, Pro/Con and Year in Review Sessions, Sister Society Symposia and Learning Lounges. More than 1800 abstracts will be presented in oral presentation, poster discussion and guided poster presentation sessions. You are also invited to the Business Meetings of the EAACI Sections and Interest Groups which are open for everybody and will include topic-related lectures by renowned experts in their respective fields. An easy-to-handle and continuously updated EAACI Congress App will help you to personalise the entire Congress Program and actively take part in interactive sessions and vote in polls. This year’s Congress add-on is an exhibition celebrating the 60th anniversary of EAACI located in the Exhibition Hall: don’t miss this chance to learn about the history of EAACI and highlights in allergy and immunology over the past decades.

The Congress venue Messe Wien Exhibition & Congress Center is located in close proximity to the city centre and the Prater, Vienna’s green lung. This large recreation area is optimally suited to re-charge your batteries after a hard working day at the Congress either by physical training (e.g. the 5 km Allergy Run and Walk on Sunday evening), entertainment (e.g. a ride on the “Wiener Riesenrad”), or by enjoying a coffee or a “Gespritzer Wein”. I am deeply grateful to everyone who was involved in the organisation of the EAACI Annual Congress 2016! My special thanks go to Karin Hoffmann-Sommergruber, Congress Secretary, and to Zsolt Szépfalusi, Chair of the Local Organising Committee. We have done our best to make the EAACI Annual Congress 2016 a memorable scientific, social and cultural event for you.

On behalf of the Local Organising Committee and the Austrian Society of Allergology and Immunology (ÖGAI) I wish you a Congress as challenging and as enjoyable as a classical Viennese waltz!

Barbara Bohle
EAACI Congress 2016 Chair

Dear EAACI friends,

On behalf of the European Academy of Allergy and Clinical Immunology, I am delighted to welcome you to Vienna for the EAACI Congress 2016.

The EAACI Annual Congress has long been a unique platform for sharing new developments and best practices, in a multidisciplinary and multiprofessional environment. It is the open window which gives fresh air to inspiration, networking and scientific updating amongst and between specialists, health professionals and patients from around the world. This year’s meeting will continue this tradition and aim to maximise interaction.

I thank in advance those delegates joining us from almost 100 different countries, including the 400 members of faculty, whose passion and ability to drive interaction with the rest of the participants will make this Congress so great. Young and more senior scientists have submitted a large number of abstracts for the poster sessions and will present their state-of-the-art research, inspiring debate and exchange across working groups, geographies and fields of expertise.

At the Annual Congress you will find a programme rich with information and opportunities for interaction. This year we have also opened the floor to expand knowledge beyond our specialty and a Postgraduate Course has been organised for Primary Care doctors. The best practice of the “Clinical Village” will continue to offer practical demonstrations of different techniques, such as skin tests, oral food challenges, and others for the management of anaphylaxis and respiratory allergic diseases.

The 2016 theme, “Waltzing with Allergens”, calls on all attendees to play a role in the Congress “Ball”, empowering them to create their own Congress: by bringing and sharing their own knowledge in clinical practice and in research, they will raise the value of their Congress experience. The Scientific Programme will appeal to a diverse audience and will be enriched by delegates’ involvement at all levels. As happens at any ball or dance, synergy is key and little is accomplished without reciprocal exchanges: you will shape the scene and will be the choreographers!

Welcome to EAACI Congress 2016: be a part of it!

Antonella Muraro
EAACI President
UPCOMING FOCUSED MEETINGS

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

European Consortium on Application of Flow Cytometry in Allergy (EuroBAT 2016)
12 October 2016
Rome, Italy
www.eaaci-eurobat.org

International Severe Asthma Forum (ISAF 2016)
17 - 19 November 2016
Manchester, UK
www.eaaci-isaf.org
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 9,000 members from 121 countries, as well as over 50 National Allergy Societies. Visit www.eaaci.org for more information.
60 Anniversary Celebrations

Allergies and asthma are preventable and controllable. Prevention and control is the cost-efficient way to decrease the disease burden. AIT is the only disease modifying intervention.

More information at www.eaaci.org/60-anniversary
### Committees

#### EAACI Executive Committee

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAACI President</td>
<td>A. Muraro</td>
<td>2015 - 2017</td>
</tr>
<tr>
<td>Secretary General</td>
<td>P. Hellings</td>
<td>2015 - 2017</td>
</tr>
<tr>
<td>Treasurer</td>
<td>M. Jutel</td>
<td>2015 - 2017</td>
</tr>
<tr>
<td>Past President</td>
<td>N. Papadopoulos</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
<tr>
<td>Vice-President</td>
<td>P. Schmid-Grendelmeier</td>
<td>2013 - 2015</td>
</tr>
<tr>
<td>Education and Specialty</td>
<td>E. Knol</td>
<td>(outgoing)</td>
</tr>
<tr>
<td>Vice-President Communications and Membership</td>
<td>I. Agache</td>
<td>2013 - 2015</td>
</tr>
</tbody>
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**Local Organising Committee (LOC)**

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>Chair</td>
<td>B. Bohle</td>
<td>2016</td>
</tr>
<tr>
<td>Congress</td>
<td>K. Hoffmann-Sommergruber</td>
<td>2016</td>
</tr>
<tr>
<td>Congress Secretary</td>
<td>Z. Szepfalusi</td>
<td>2016</td>
</tr>
<tr>
<td>Local Organising Committee Chair</td>
<td>W. Aberer</td>
<td>2016</td>
</tr>
<tr>
<td>U. Berger</td>
<td>2016</td>
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**EAACI Section Chairpersons**

<table>
<thead>
<tr>
<th>Section</th>
<th>Chair</th>
<th>Year</th>
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<tbody>
<tr>
<td>Asthma</td>
<td>Ö. Kalayci</td>
<td>2013 - 2015</td>
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**EAACI Interest Group Representatives**

<table>
<thead>
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<th>Year</th>
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<tbody>
<tr>
<td>Allergy Diagnosis</td>
<td>H. J. Hoffmann</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
<tr>
<td>Biologicals</td>
<td>F. Spartini</td>
<td>2013 - 2015</td>
</tr>
<tr>
<td>Biologicals</td>
<td>O. Boyman</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>C. Apelbacher</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>S. Smolinska</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
<tr>
<td>Food Allergy</td>
<td>M. Fernandez-Rivas</td>
<td>2013 - 2015</td>
</tr>
<tr>
<td>Food Allergy</td>
<td>C. Milis</td>
<td>2013 - 2015, 2015 - 2017</td>
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**Section Secretaries**

<table>
<thead>
<tr>
<th>Section</th>
<th>Chair</th>
<th>Year</th>
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<tbody>
<tr>
<td>Asthma</td>
<td>O. Kalayci</td>
<td>2013 - 2015</td>
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<tr>
<td>Junior Members Chair</td>
<td>A. Santos</td>
<td>2013 - 2015</td>
</tr>
<tr>
<td>Junior Members Chair</td>
<td>O. Tsiochrístou</td>
<td>2013 - 2015, 2015 - 2017</td>
</tr>
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**General Information**

**App information**
The EAACI smartphone app is an innovative tool that redefines the way you visit and experience the EAACI Congress. Using the app, 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 abstracts (from 11 June 2016).
- Access e-posters (from 11 June 2016).
- 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 your app store for EAACI; if you previously downloaded the EAACI App, just select EAACI Congress 2016 under ‘Available Events’. A dedicated, free WiFi connection is provided throughout the Messe Wien Exhibition & Congress Center.

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 in the main Entrance Hall.

If you do not have your number on the badge and you are a member of EAACI, please contact the respective national accreditation body for more information.

**Climate**
Austria’s climate is generally moderate and mild. Average summer temperatures range from 20 to 25 degrees Celsius.

**Clinical Village**
The Clinical Village was once again a huge success at the EAACI Congress 2015 in Barcelona and will be returning by popular demand in Vienna. The Clinical Village is situated in the Foyer Stolz and will be open on Saturday, 11 June 2016 from 14:00 – 18:00 and on Sunday, 12 June 2016 from 12:00 – 16:00. Please find further information at [www.eaaci2016.org](http://www.eaaci2016.org).

**Bank, cash machines and post office**
You will find the nearest standard cash machine located in the Messe Wien Exhibition & Congress Center Mall. The nearest bank is the “Bank Austria” located on Vorgartenstrasse 206, 1020 Vienna. There is a post office located on Praterstrasse 68, 1020 Vienna.

**Business Centre**
The closest business centre is the Kopie O2 – Messe Wien/WU Wien, located at Ausstellungstrasse 53, 1020 Vienna, which is about 5 minutes’ walk from the Messe Wien Exhibition & Congress Center. It is open Monday to Friday from 08:30 – 18:30.

**Certificate of attendance**
Your Certificate of Attendance can be downloaded from the Congress website ([www.eaaci2016.org](http://www.eaaci2016.org)) from Wednesday, 22 June 2016. 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 Assistance Desk in the main Entrance Hall.

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**Continuing Medical Education (CME) credits**
The EAACI Congress 2016 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 (EBAAICI) to provide the following CME activity for medical specialists. The Congress has been designated for 27 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 to session rooms for CME accreditation. After the Congress, you will receive a link and detailed information to download your Certificate of CME.

**Congress scholarships**
A Travel Reimbursement Form will be sent to scholarship 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 counter**
We invite you to visit the EAACI counter located in the Entrance Hall, where information about the Academy, membership and future events is available.

After the Congress, visit [www.eaaci.org](http://www.eaaci.org) and catch up on the latest news about EAACI’s activities and publications.

**General Assembly**
EAACI’s General Assembly will take place in Hall A2 from 08.00 – 09.00 on Monday, 13 June. Only EAACI members are allowed to vote. Your membership number is printed on your badge. If you do not have your number on the badge and you are a member of EAACI, please contact the Registration Assistance Desk in the Entrance Hall to have a new badge issued.

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**Cloakroom**
A cloakroom is located on level -1. It is free of charge for Congress attendees, with the following opening hours:
- Saturday, 11 June 08:00 – 23:30
- Sunday, 12 June 07:00 – 20:00
- Monday, 13 June 06:30 – 20:00
- Tuesday, 14 June 07:00 – 20:00
- Wednesday, 15 June 08:00 – 14:00

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General Information

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 2016 fee. For more information and to apply for membership, please go to www.eaaci.org or visit the EAACI counter.

EAACI Membership Services Desk

Come and visit the Membership Services Desk at the EAACI counter located in the Entrance Hall. We will be happy to answer any questions you have regarding EAACI membership, or to assist you if you simply want to pay your membership fee.

EAACI Virtual Congress Hub

The EAACI Virtual Congress Hub is a digital resource centre located in the Exhibition Hall.

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 12 – 14 June. Selected sessions will later be available as webcasts on the EAACI website.

Electricity

The voltage in Austria is 220–240 volts. Round, European-style two-pin plugs are the common standard.

Emergencies

Please contact a member of Congress staff or security at the Messe Wien Exhibition & Congress Center immediately in the case of a real or suspected emergency situation. The European emergency number applies in Austria, and callers should dial: 112.

Exhibition

The EAACI Congress 2016 in Vienna includes an exhibition that will be open from 09:00 – 17:30 on 12 – 14 June. The Publishers’ Corner is located in the Exhibition Hall and the National Society Village can be found in the Mall. 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 Messe Wien Exhibition & Congress Center which is located opposite the Speaker Service Centre.

Opening hours of the First Aid Room:
Saturday, 11 June 08:00 – 21:00
Sunday, 12 June 07:00 – 19:00
Monday, 13 June 06:30 – 19:00
Tuesday, 14 June 07:00 – 19:00
Wednesday, 15 June 08:00 – 13:00

The closest hospital is the Sozialmedizinisches Zentrum Ost (SMZ Ost), Langobardenstraße 122, 1220 Vienna; Tel: +43 1 288 020. 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, 14 June 15:00 to Wednesday, 15 June 13:00.

Food and beverages

Catering services are located in the Exhibition Hall. Coffee/tea and lunch are 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 143.

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. 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 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.

Internet access

For WiFi access, choose the “EAACI free internet” network. No password is required.

Junior Members (JM) programme

The EAACI Junior Members (JM) Working Group promises several exciting events at the EAACI Congress 2016 in Vienna! All our Junior Members qualify for sizeable discounts to take part in our profession’s most stimulating educational opportunities. See the daily programme for details of JM activities.

Language

The official language of the Congress is English.

Local time

The time zone in Vienna 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. Please do not share any scientific data on social media.

www.eaaci2016.org
General Information

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 Mall and is open Sunday, 12 June – Tuesday, 14 June, from 09:00 – 17:30. We encourage you to visit their booths and learn more about other allergy, asthma and immunology societies.

Paying
There is limited public parking available in Car Park A at Messe Wien Exhibition & Congress Center. Charges apply. We encourage you to be green and use public transportation.

Poster exhibition
Thematic posters are displayed in the poster area in the Exhibition Hall. Posters will be displayed for a full day on either Sunday, Monday or Tuesday. Each day, the posters are organised in thematic groups of 15 – 20 posters. At lunchtime, the presenters are required to stand by their posters and answer questions from delegates. During this time, two moderators per thematic group will also visit each poster and ask the presenters to briefly present their findings. Poster Discussion Sessions (PDS) will take place in four designated PDS Zones in the Exhibition Hall. These posters will be presented in electronic format only. Moderators will lead a discussion with the audience. Visit the Poster Help Desk for assistance.

Photographing and recording
Taking photographs or making any other form of electronic recording during the sessions in the meeting rooms is forbidden. An official photographer will be present for the entire event. Photos will be available for download on the Congress website (www.eaaci2016.org) for the full programme of sessions, speakers, chairs and abstracts. 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 iCalendar). It is also possible to find single abstracts. Alternatively, why not download the Congress app for full information on the Scientific Programme and more.

Recycling
Help support EAACI’s Green Initiative by recycling Congress materials using the containers located throughout the Messe Wien Exhibition & Congress Center.

Registration Desk hours
Saturday, 11 June 08:00 – 20:00
Sunday, 12 June 07:00 – 18:00
Monday, 13 June 06:30 – 18:00
Tuesday, 14 June 07:00 – 18:00
Wednesday, 15 June 08:00 – 12:00

Registration fee for delegates
The Delegate registration fee includes:
• Admission to the Congress and the Exhibition
• Congress material
• Opening Ceremony/Welcome Reception
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.

Within the scope of EAACI’s Go Green initiative delegates had the opportunity to opt out of a congress bag and printed programme, benefiting from a reduction of EUR 5 and EUR 10, respectively.

Safety and welfare
Vienna 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.

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

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 opposite the First Aid Room.

The opening hours are:
Saturday, 11 June 10:00 – 19:00
Sunday, 12 June 07:00 – 19:00
Monday, 13 June 06:30 – 19:00
Tuesday, 14 June 07:00 – 19:00
Wednesday, 15 June 08:00 – 12:00
General Information

Travelling to Messe Wien Exhibition & Congress Center by public transport in Vienna

You can reach the Messe Wien Exhibition & Congress Center using:

• Metro line U2 from Karlsplatz, direction Seestadt, exiting at the Messe/Prater station, which is just a short walk from Messe Wien Exhibition & Congress Center;

• Bus lines 11A from Heiligenstadt and line 80b from Kaiserebersdorf, direction Seestadt, getting off at Messe/Prater;

• Tramway line D, direction Südbahnhof to Schottentor, then tramway line 5 direction Praterstern to Praterstern, changing there to the U2 metro line.

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

CHECK US OUT ONLINE

EAACI Website - new look, same great resources:

• Cleaner layout for easier navigation
• Integration of all EAACI events
• Available on smartphone and tablets

Follow us and stay informed about all EAACI activities!
#eaaci2016
The Business Meetings of the 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, 12 June 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM I)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 12:10 – 13:20 | Dermatology Section – Open to all attendees<br>
**The role of dermatology within European allergology**<br>Tom Werfel, Germany | Lehar 1     |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM2)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Allergy, Asthma and Sports – Open to all attendees<br>
**Physical activity prescription for asthma and allergies: From bench to track and field**<br>André Moreira, Portugal | Galerie 9+10 |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM3)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Primary Immunodeficiency Diseases – Open to all attendees<br>
**How clinical immunologists treat hyper IgE syndrome**<br>Taco Kuijpers, Netherlands | Lehar 3     |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM4)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Immunotherapy – Open to all attendees<br>
**Negative and positive results in AIT trials: What makes the difference?**<br>Roy Gerth van Wijk, Netherlands | Lehar 4     |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM5)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Epidemiology – Open to all attendees<br>
**Understanding the early life causes of asthma and allergy: How genetic epidemiology can help**<br>Seif Shaheen, United Kingdom | Stolz 1     |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM6)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Infections and allergy – Open to all attendees<br>
**The role of the skin microbiome in protection against allergic diseases**<br>Nanna Fyhrquist, Finland | Stolz 2     |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM7)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Drug allergy – Open to all attendees<br>
**HLA and translation into drug hypersensitivity practice**<br>Elizabeth Phillips, United States | Schubert 1-3 |

<table>
<thead>
<tr>
<th>Time</th>
<th>Business Meeting (BM8)</th>
<th>Location</th>
</tr>
</thead>
</table>
| 17:30 – 18:40 | Interest Group Allergy Diagnosis – Open to all attendees<br>
**Serological and cellular characterisation of allergic response to α-Gal**<br>Christiane Hilger, Luxembourg | Schubert 4-6 |
Save the Date

Expanding Practice: Diagnosis and Treatment of Drug Hypersensitivity

American Academy of Allergy Asthma & Immunology

2017 AAAAI ANNUAL MEETING

ATLANTA

MARCH 3-6

annualmeeting.aaaai.org  #aaaai17
<table>
<thead>
<tr>
<th>Time</th>
<th>Meeting (BM)</th>
<th>Section/Topic</th>
<th>Location</th>
<th>Speakers/Focus Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:25 – 13:35</td>
<td>BM9</td>
<td>Pediatrics Section – Open to all attendees</td>
<td>Hall B2</td>
<td>Alexandra Santos, United Kingdom <em>How much can we really rely on allergy tests to avoid food challenges?</em></td>
</tr>
<tr>
<td>12:25 – 13:35</td>
<td>BM10</td>
<td>Immunology Section – Open to all attendees</td>
<td>Lehar 1</td>
<td>Cliona O’Farrelly, Ireland <em>Role of natural killer cells in inflammatory diseases</em></td>
</tr>
<tr>
<td>12:25 – 13:35</td>
<td>BM11</td>
<td>Asthma Section – Open to all attendees</td>
<td>Lehar 2</td>
<td>Mina Gaga, Greece <em>Severe asthma, current management and research questions</em></td>
</tr>
<tr>
<td>12:25 – 13:35</td>
<td>BM12</td>
<td>ENT Section – Open to all attendees</td>
<td>Lehar 3</td>
<td>Martin Desrosiers, Canada <em>NOSE-OMICS: Using emerging technologies to identify novel solutions to complex problems</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM13</td>
<td>Interest Group Food Allergy – Open to all attendees</td>
<td>Hall B2</td>
<td>Susan Prescott, Australia <em>Prevention of food allergy: Is this a second wave allergic epidemic or an unrelated phenomenon?</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM14</td>
<td>Interest Group Primary Care – Open to all attendees</td>
<td>Lehar 3</td>
<td>Aziz Sheikh, United Kingdom <em>Guidelines in primary care</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM15</td>
<td>Interest Group Occupational Allergy – Open to all attendees</td>
<td>Lehar 4</td>
<td>Frédéric de Blay, France <em>Bronchial challenge tests: Are they useful in work-related asthma in cleaners?</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM16</td>
<td>Interest Group Ocular Allergy – Open to all attendees</td>
<td>Stolz 1</td>
<td>Talin Barisani-Asenbauer, Austria <em>Conjunctival vaccines: Where do we stand?</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM17</td>
<td>Interest Group Aerobiology and Pollution – Open to all attendees</td>
<td>Stolz 2</td>
<td>John R. Balmes, United States <em>New stuff in the air: Climate change and health</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM18</td>
<td>Interest Group Biologicals – Open to all attendees</td>
<td>Schubert 1-3</td>
<td>Marcus Maurer, Germany <em>What omalizumab taught us about chronic spontaneous urticaria</em></td>
</tr>
<tr>
<td>17:30 – 18:40</td>
<td>BM19</td>
<td>Interest Group Insect Venom Hypersensitivity – Open to all attendees</td>
<td>Schubert 4-6</td>
<td>Patrizia Bonadonna, Italy <em>Insect venom allergy and mastocytosis</em></td>
</tr>
</tbody>
</table>
**Tuesday, 14 June 2016**

**17:30 – 18:40**

**Business Meeting (BM20)**

**Interest Group on Eosinophilic Esophagitis – Open to all attendees**

*Eosinophilic esophagitis: An auto-immune disease or an allergy?*

Alex Straumann, Switzerland

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**Business Meeting (BM21)**

**Interest Group Allied Health – Open to all attendees**

*The how and why of evidence-based practice in the day-to-day management of allergy*

Nicolette de Jong, Netherlands

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**Business Meeting (BM22)**

**Interest Group Comparative and Veterinary Allergology – Open to all attendees**

*Protein arrays in allergy diagnosis in humans, dogs and horses*

Marcos Alcocer, United Kingdom

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**Business Meeting (BM23)**

**Interest Group OMICS and Systems Medicine – Open to all attendees**

*Systems medicine: What can we learn from comparing different diseases*

Mikael Benson, Sweden

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**17:30 – 19:10**

**Business Meeting (BM24)**

**Junior Members (JMs) – Open to all attendees**

*Can people power your scientific discoveries? Crowdfunding for research*

Chrysanthi Skevaki, Germany

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**Business Meeting (BM25)**

**Patients Organisations Committee – Open to all attendees**

*Preventing food allergy through early weaning: Remaining questions*

George du Toit, United Kingdom

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**BENEFITS FOR EAACI MEMBERS**

**JOIN AS A FULL MEMBER AT THE EAACI CONGRESS AND RECEIVE A 50% DISCOUNT AND A WELCOME PACK**

**SPECIAL OFFER**

COMPLETE THE APPLICATION FORM ONLINE AT [WWW.EAACI.ORG](http://WWW.EAACI.ORG) OR AT THE EAACI BOOTH

*Only new applications received at the EAACI Congress 2016 benefit from a 50% discount on the 2016 membership fee and the welcome pack. Visit the EAACI Counter to pick up yours while stocks last. This promotion does not apply to Junior Members who can join for free.

**Fees**

- Annual Fee: EUR 150
- Members from countries with a GNP of less than USD 10,000: EUR 75
- EAACI Allied Health Interest Group Members: EUR 75
- EAACI Allied Health Interest Group Members from countries with a GNP less than USD 10,000: EUR 40
- EAACI/AAAAI Dual Membership (-20%): EUR 120
- EAACI/European Respiratory Society Dual Membership (-15%): EUR 128
- EAACI/European Rhinologic Society Dual Membership (-10%): EUR 135

**Benefits**

- Subscription to Allergy, European Journal of Allergy and Clinical Immunology: Yes
- Subscription to PAI, Pediatric Allergy and Immunology Journal: Yes
- 25% Discount on registration to all EAACI events: Yes
- Printed EAACI Newsletter: Yes
- Access to the EAACI Members Area including the Membership Directory, Membership Certificate, Guidelines, Monographs, Webcasts, Slide Kits and more: Yes
- 50% Discount on the EAACI/UEMS Knowledge Examination: Yes
- Eligibility for election to the Executive Committee and steering board of Sections and Interest Groups: Yes
- Full voting rights: Yes
- Fellowship Programme: Yes

**Members**

- Online access only

**Junior Members**

- Free

**Junior Members**

- Individuals ≤ 35 years of age

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**Members**

- Online access only

**Junior Members**

- Free
YOU’VE ONLY JUST ARRIVED & ALREADY WE’RE THINKING OF YOUR NEXT TRIP

As the official airline network for the EAACI Congress 2016, 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 1,330 airports across 192 countries, our 28 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.
Networking Events

Please note: these meetings are by invitation only

**Friday, 10 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30 – 17:00</td>
<td>EAACI Executive Committee</td>
<td>Courtyard Hotel Messe</td>
</tr>
</tbody>
</table>

**Saturday, 11 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30 – 13:00</td>
<td>EAACI Congress 2016 Scientific Programme Committee</td>
<td>Courtyard Hotel Messe</td>
</tr>
<tr>
<td>09:30 – 10:30</td>
<td>Newsletter Meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>14:30 – 15:30</td>
<td>EBAACI Meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>15:00 – 16:00</td>
<td>EAACI Specialty Committee Meeting</td>
<td>Courtyard Hotel Messe</td>
</tr>
</tbody>
</table>

**Sunday, 12 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 – 13:00</td>
<td>CME Committee meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>15:30 – 17:00</td>
<td>Communication Council Meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>17:00 – 19:00</td>
<td>JM Working Group Business Meeting</td>
<td>Messe Vienna</td>
</tr>
</tbody>
</table>

**Monday, 13 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 – 12:00</td>
<td>Exam Committee Meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>12:10 – 13:30</td>
<td>High-level business-lunch on EU health and research policies</td>
<td>Messe Vienna Club &amp; Brasserie</td>
</tr>
<tr>
<td>15:30 – 16:15</td>
<td>EAACI Leadership meeting with AAAAI Leadership</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>15:30 – 17:00</td>
<td>Ethics Committee meeting</td>
<td>Messe Vienna</td>
</tr>
</tbody>
</table>

**Tuesday, 14 June**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 – 10:00</td>
<td>Web Committee Meeting</td>
<td>Messe Vienna</td>
</tr>
<tr>
<td>15:00 – 16:15</td>
<td>National Allergy Society Committee Business Meeting</td>
<td>Messe Vienna Strauss 3</td>
</tr>
<tr>
<td>16:30 – 17:30</td>
<td>Executive Committee &amp; IG/Section Boards and TF Chairs Meeting</td>
<td>Messe Vienna Reception/Club &amp; Brasserie</td>
</tr>
</tbody>
</table>

### Opening Ceremony/Welcome Reception

**Saturday, 11 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 Hall A1-3 at the Messe Wien Exhibition & Congress Center at 19:00. 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. The EAACI Congress 2016 Junior Member Poster Session will take place as part of the Welcome Reception. Over 100 posters will be presented.

### Junior Member Event

**Tuesday, 14 June at 20:30 – 00:30**

Price: Included in the registration fee for Junior Members. If you wish to attend the JM Event, please visit the EAACI Counter in the Entrance Hall to pick up a ticket. All Junior Members are invited to join us for the Event.

This event is exclusively for Junior Members – name badge and ID required.
### Congress Scholarship Recipients

<table>
<thead>
<tr>
<th>Name, Country</th>
<th>Name, Country</th>
<th>Name, Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marut Agarwal, India</td>
<td>Ekaterina Khaleva, Russian Federation</td>
<td>Michèle Myriam Rauber, Germany</td>
</tr>
<tr>
<td>Lorenz Aglas, Austria</td>
<td>Bui Khanh, Vietnam</td>
<td>Thomas Romain, France</td>
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<tr>
<td>Charlene Akoto, United Kingdom</td>
<td>Minji Kim, Korea, Republic of</td>
<td>Jan Romantowski, Poland</td>
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<td>Alba Angelina, Spain</td>
<td>Nikolaos Kitsiouls, Greece</td>
<td>Domenico Rosace, Spain</td>
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<tr>
<td>Ebru Arik Yilmaz, Turkey</td>
<td>Ana Koren, Slovenia</td>
<td>Vilija Rubinaite, Lithuania</td>
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<td>Aleksandra Barac, Serbia</td>
<td>Sofia Kostoudi, Greece</td>
<td>Dennis Russkamp, Germany</td>
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<td>Thomas Bärnthaler, Austria</td>
<td>Alvise La Gloria Valerio, Italy</td>
<td>Mercedes Sáenz-de-Santa-Maria-Garcia, Spain</td>
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<td>Desislava Belcheva, Bulgaria</td>
<td>Anton Laskin, Russian Federation</td>
<td>Mouli Saha, India</td>
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<td>Danielle Belgrave, United Kingdom</td>
<td>Ilaria Lazzarato, Italy</td>
<td>Jorge Sanchez, Colombia</td>
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<td>Joana Belo, Portugal</td>
<td>Jing Li, China</td>
<td>Maria Isabela Sarbu, Romania</td>
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<td>Mani Bhandava, India</td>
<td>Jernej Luzar, Slovenia</td>
<td>Marie Elodie Sarre, France</td>
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<td>Sandra Brandi, Denmark</td>
<td>Zafar Mahmood, Germany</td>
<td>Beatriz Sastre, Spain</td>
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<tr>
<td>Dmytro Butov, Ukraine</td>
<td>Matiemy Maiga, France</td>
<td>Florentina Sava, Hungary</td>
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<tr>
<td>Jose Cantillo, Spain</td>
<td>Maddalena Marconato, Italy</td>
<td>Veronique Schulten, United States</td>
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<td>Leonor Carneiro-Leão, Portugal</td>
<td>Laura Martin Pedraza, Spain</td>
<td>Julij Šelb, Slovenia</td>
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<td>Zita Chovanova, Czech Republic</td>
<td>Carla Martins, Portugal</td>
<td>Koyel Sengupta, India</td>
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<td>Mathias Cousin, France</td>
<td>Carla Mastrorilli, Italy</td>
<td>Igor Shilovskyi, Russian Federation</td>
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<td>Agnieszka Drewnik, Poland</td>
<td>Roxana Mincheva, Sweden</td>
<td>Juan Stephen, Australia</td>
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<td>Fatma Düşünür Günsen, Turkey</td>
<td>Susan Nabilou Deshiri, Iran, Islamic Republic of Denisilava Nedeva, Bulgaria</td>
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<td>Majda Dzicic, Spain</td>
<td>John Paul Oliveria, Canada</td>
<td>Mariia Sundukova, Russian Federation</td>
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<td>Julia Esser-von Bieren, Germany</td>
<td>Morten Schjarring Opstrup, Denmark</td>
<td>Andrea Teufelberger, Belgium</td>
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<td>Karin Fieten, Netherlands</td>
<td>Rabia Bilge Ozgul Ozdemir, Turkey</td>
<td>Anna Theiler, Austria</td>
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<td>Korneliusz Golebski, Netherlands</td>
<td>Eleni Papakonstantinou, Germany</td>
<td>Iason Thomas, Greece</td>
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<td>Sara Harainsi, Iran, Islamic Republic of Charlotte Hjort, Denmark</td>
<td>Miriam Peinhaupt, Austria</td>
<td>Natalia Ukleja-Sokolowska, Poland</td>
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<td>Sara Huber, Austria</td>
<td>Johanna Huoman, Sweden</td>
<td>Juan Urrego, Brazil</td>
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<td>Sha Jichao, China</td>
<td>Peng Jin, Singapore</td>
<td>Anna Valeriewa, Bulgaria</td>
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<tr>
<td>Sandip Kamath, Australia</td>
<td>Sha Jichao, China</td>
<td>Emine Vezyr, Turkey</td>
</tr>
<tr>
<td>Zahra Karami, Iran, Islamic Republic of Bijoy Carrama, India</td>
<td>Peng Jin, Singapore</td>
<td>Luis Veira, Portugal</td>
</tr>
<tr>
<td>Bijoy Carrama, India</td>
<td>Sha Jichao, China</td>
<td>Marijn Warners, Netherlands</td>
</tr>
<tr>
<td>Reyhaneh Khademi, Iran, Islamic Republic of</td>
<td>Peng Jin, Singapore</td>
<td>Peter West, United Kingdom</td>
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<td></td>
<td></td>
<td>Ming Zheng, China</td>
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<tr>
<td></td>
<td></td>
<td>Hua Zhong, China</td>
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<tr>
<td></td>
<td></td>
<td>Lin Zhou, China</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ulrich Zissler, Germany</td>
</tr>
</tbody>
</table>

### Scholarships to Junior Representatives from International Academies/Societies

**AAAAI, FIT Committee**
- Christina G. Kwong, USA
- Tammy Peng, USA

**European Respiratory Society, Junior Members Assembly**
- Alexander Mathioudakis, UK
- Georgia Hardavella, UK

**European Rhinologic Society, Junior Members Board**
- Anna Slowick, UK
- Aleksandra Barac, Serbia
**EAACI resources**

- **Registries**
- **Position papers**
- **Consensus documents**
- **Webcasts/webinars**
- **Global Atlases**
- **Guidelines**
- **Monographs**
- **Knowledge exam**
- **Allergy Schools and Master Classes**
- **Mentorship and speaker support programmes**
- **EAACI fellowships**

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**Fellowship and JM Quizz Winners 2016**

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
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<tbody>
<tr>
<td>Long Term Research Fellowship Winners 2016</td>
<td></td>
</tr>
<tr>
<td>Sebastian Felix Nepomuk Bode</td>
<td>Germany</td>
</tr>
<tr>
<td>Nonhlanhla Lunjani</td>
<td>South Africa</td>
</tr>
<tr>
<td>Heleen Vroman</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>Maria Vasileios Doulaptsi</td>
<td>Greece</td>
</tr>
<tr>
<td>Ekaterina Khaleva</td>
<td>Russia</td>
</tr>
<tr>
<td>Short Term Research Fellowship Winners 2016</td>
<td></td>
</tr>
<tr>
<td>Laura Martín Pedraza</td>
<td>Spain</td>
</tr>
<tr>
<td>Joana Gomes Belo</td>
<td>Portugal</td>
</tr>
<tr>
<td>Judit Fazekas</td>
<td>Austria</td>
</tr>
<tr>
<td>Natalia Aliakhnovich</td>
<td>Belarus</td>
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<tr>
<td>Clinical Fellowship Winners 2016</td>
<td></td>
</tr>
<tr>
<td>Margaretha Faber</td>
<td>Belgium</td>
</tr>
<tr>
<td>Simona Kasinskaite</td>
<td>Lithuania</td>
</tr>
<tr>
<td>Donatella Lamacchia</td>
<td>Italy</td>
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<tr>
<td>Elena Raluca Lungoci</td>
<td>France</td>
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<tr>
<td>Emilio Jose Solano Solares</td>
<td>Spain</td>
</tr>
<tr>
<td>Farah Hannachi</td>
<td>France</td>
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<tr>
<td>Lise Broserson</td>
<td>Portugal</td>
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</tbody>
</table>

**EAACI JM Quizz winners**

EAACI Juniors are eligible to win a travel grant of up to 500 Euro to attend the Annual Congress by taking part in the monthly JM Quizz. The months January to April have one winner with the exception of March during which the JM will select two winners to support the late breaking abstract submission.

The five winners are:

- **January** Liseth Villafana, Spain
- **February** Jorje Rojas, Chile
- **March** Aline-Elena Mara, Romania
- **April** Vladyslava Barzylovych, Ukraine

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**Registries**

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- **Consensus documents**
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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 2016 will be presented during the Opening Ceremony – Saturday, 11 June at 19:00.

The Paul Ehrlich Award 2016 for Improving Experimental Research is awarded to Professor Dr Cezmi Akdis, MD. Cezmi Akdis is the Director of the Swiss Institute of Allergy and Asthma Research (SIAF), Davos, and Professor in the Zurich University Medical Faculty, as well as being one of the Directors of the Christine Kühne Center for Allergy Research and Education (CK-CARE) in Davos. He is an Honorary Professor at the Capital Medical University, Beijing Institute of Otolaryngology, China, and at Bozmalev University, Istanbul, and is also a Senate Member of the Swiss Academy of Medical Sciences, and a member of the New York Academy of Sciences and of the Collegium Internationale Allergologicum.


Cezmi Akdis is a highly respected authority worldwide and has a long track record in allergy and immunology research, as proven by more than 450 papers to his name. His research has focused on immune tolerance mechanisms in humans, developing novel vaccines and treatment modalities, regulation and the role of tissue cells, the epithelial barrier in asthma and allergies, and disease endotypes. Throughout his career he has performed vaccine, human immunology, lung and skin research to find solutions for allergies and asthma, and has trained several generations of researchers, now well-known and respected scientists in their own right. His life-long belief in the greatness of science and in mentoring inspires great confidence and evokes the excellence we all desire.

The Daniel Bovet Award for improving treatment and prevention of allergic diseases is awarded to Professor Erika Valovirta. Erika Valovirta, MD, PhD, is a pediatric allergist who has dedicated his life and career to Turku, Finland, to work with children suffering from allergic diseases. Alongside his clinical work, he has also been affiliated with the University of Turku as a lecturer and was made Professor honoris causa in 2010. Erika Valovirta’s PhD thesis was on dog allergen immunotherapy and, ever since, he has been involved with numerous clinical trials, dealing particularly with pre-school children advocating the treatment of allergies in Europe, which he champions with great passion. As an example of this, Erika was President of the European Federation of Allergy and Airways Diseases Patients Associations from 1997 to 2003: this also demonstrates his passion for practical treatment and prevention of allergic diseases, taking into account the concerns and preferences of the patient/child and the family, to a degree which is exceptional, even for a pediatrician.

Professor Valovirta is well-known for his work in allergology societies including EAACI and WAO, and he has been a crucial member of several Interest Groups and Task Forces dealing with immunotherapy or anaphylaxis. For the last eight years, Erika has dedicated a large part of his time and efforts to practical field work as part of the Finnish Allergy Programme (2008–2018). He seems to never get tired or frustrated with the heavy work of implementing new guidelines, motivating and encouraging people to work toward better care in allergic diseases. And everyone who knows Erika knows the big, warm smile on his face, despite any challenges!

The 2016 Charles Blackley Award for Promotion of the Specialty is presented to Professor Dr Jan de Monchy. Jan de Monchy has worked in the field of allergology for many years. He registered as an allergologist in 1980 and in 1993 was appointed Head of the Department and Professor of Allergology at the Academic Hospital Groningen. He has a heart for patient care, education and science, and has trained fellows in allergology and published more than 180 publications. But above all, he has always been a strong advocate for our specialty. As Chairman of the Netherlands Society of Allergology he fought for the specialty and the position of allergologists in the Netherlands. Later, he broadened his scope to the international field and, in 2007, became UEMS President for the Allergology Section and Board; in that position he served EAACI as adjunct member of the Executive Committee for 8 years until June 2015. In 2013, with other members of the EAACI community, he published an important paper, “Allergology in Europe: The blueprint”, in which he described the rationale for the medical specialty of allergology. He underlined the need for quality in allergy health care, the necessity of a rational distribution of care for allergic patients, and the importance of allergy centres which provide a platform for collaboration between allergologists and other specialists. Collaboration and a multi-disciplinary approach are key factors in this line of thinking. Professor de Monchy also considers the EAACI/UEMS Knowledge Examination to be an important tool for international harmonisation.

Jan de Monchy strongly advocates a full specialty for allergology in all European countries. Promotion of high quality and easily accessible patient care is the driving factor behind all his activities. It is no surprise that, even after completing a very full academic life at the University Medical Center of Groningen, he is still actively treating allergic patients.

The 2016 Clemens von Pirquet Award for Clinical Research is awarded to Professor Magnus Wickman. Magnus Wickman has a long record of achievements in clinical research in the field of pediatric epidemiology, allergy and asthma research. He is a board certified pediatrician and pediatric allergist/immunologist and certified in epidemiology at Karolinska Institutet, Stockholm, Sweden. He was one of the first scientists to study the natural history of allergic disorders, atop dermatitis and asthma in childhood and adolescents in birth cohorts; he is well-known in the field. And is the author or co-author of more than 200 peer-reviewed publications. His work unites population-based medicine and epidemiology, clinical medicine (in particular food allergy), molecular allergology and genetics/epigenetics and brings together senior investigators and health professionals from multiple disciplines from a regional, national but also an international level. Magnus has stimulated numerous PhD students to write and finish their theses and to make them part of the scientific world. His strength is always to challenge old beliefs and to bring out the best in research projects. From 1994 to 2014 he was the principal investigator (PI) of the Swedish population-based cohort (BAMSE), investigating the influence of environmental and other factors for the development of atopy and asthma. 4000 newborns were enrolled and Magnus was the driving force following the cohort until early adulthood. The project was part of the European consortia and Ga2LEN network of excellence.

Magnus Wickman has been President of the Swedish Association of Allergology and was a board member of the EAACI Pediatrics Section and member of the ExCom of the two European consortia, Ga2LEN and MedALL. He has served as senior adviser to the World Health Organization and the Swedish government. He is currently engaged in clinical work at Sachs’ Children’s Hospital and in research at the Karolinska Institute in Stockholm. His special scientific interest over the last few years has been the development of IgE during early and later childhood and its impact on the development of food allergy and anaphylaxis. Magnus Wickman has continuously served us in the field of allergy and we are proud to present this year’s Clemens von Pirquet Award to him.

The 2016 Paul Ehrlich Award 2016 for Improving Experimental Research is awarded to Professor Dr. Cezmi Akdis, MD. Cezmi Akdis is the Director of the Swiss Institute of Allergy and Asthma Research (SIAF), Davos, and Professor in the Zurich University Medical Faculty, as well as being one of the Directors of the Christine Kühne Center for Allergy Research and Education (CK-CARE) in Davos.

He is an Honorary Professor at the Capital Medical University, Beijing Institute of Otolaryngology, China, and at Bozmalev University, Istanbul, and is also a Senate Member of the Swiss Academy of Medical Sciences, and a member of the New York Academy of Sciences and of the Collegium Internationale Allergologicum.

Cezmi Akdis was President of EAACI (2011–2013), Vice-President Congresses (2007–2011), SPC Coordinator (2005–2007) and Chair of the Immunology Section (2003–2005). He is the immediate Past Chair of CAALL, and one of the founders and Executive Committee member of GA’LEN, as well as being the founder and organiser of the World Immune Regulation Meetings, which have taken place annually in Davos since 2006. Professor Akdis is the Co-Editor-in-Chief of the Journal of Allergy and Clinical Immunology (JACI) and a member of the editorial boards for a number of other highly reputed medical journals. He is the co-editor of three Global Atlases: of Allergy, Asthma, and of Allergic Rhinitis and Chronic Rhinosinusitis. He has been honoured with several international awards and distinctions, including the Ferdinand Wortmann Prize (1996), Swiss Society Immunology Award (1996 and 1998), Pharmacia Allergy Research Foundation (1997), Hoechst Marion Roussel Award (1998), Professor Hans Storck Award (1998), Dr Carl Heyer-Press (1998), Sedat Simavi Medicine Award (1998). Allergopharma Award (2001). European Allergy Research “Gold Medal” (2004). TUBITAK Exclusive Award (2007), the BUSHAD Award (2012). World Allergy Organisation Award (2013). American Academy of Allergy Asthma and Immunology (AAAAI) Elliott Middleton Memorial Lecture (2014). European Federation of Immunology Societies World Immunology Day Lecture (2014), as well as honours given by the Uzbekistan Academy of Sciences (2015) and Capital University of Beijing (2015).

Cezmi Akdis is a highly respected authority worldwide and has a long track record in allergy and immunology research, as proven by more than 450 papers to his name. His research has focused on immune tolerance mechanisms in humans, developing novel vaccines and treatment modalities, regulation and the role of tissue cells, the epithelial barrier in asthma and allergies, and disease endotypes. Throughout his career he has performed vaccine, human immunology, lung and skin research to find solutions for allergies and asthma, and has trained several generations of researchers, now well-known and respected scientists in their own right. His life-long belief in the greatness of science and in mentoring inspires great confidence and evokes the excellence we all desire.
A meeting of WAO in partnership with IAACI and their mutually collaborating partner AFI.
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. It provides a perfect platform to explore a combination of both theoretical and practical topics 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, 11 June 2016 from 14:00 – 18:00 and on Sunday, 12 June 2016 from 12:00 – 16:00 in the Foyer Stolz. 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 the EAACI postgraduate courses running on Saturday afternoon, combining theory with practice.

**What will you find in the Clinical Village?**
This year, there will be 15 individual stations served by specialists, Junior Members and staff from departments in local medical centres and hospitals.

**The following topics will be covered:**

1. Allergic contact dermatitis, epidermal testing
2. Skin prick-, prick-to-prick- and intradermal-testing
3. Specific IgE measurement (molecular diagnostics)
4. ENT function testing (rhinomanometry)
5. The Vienna challenge chamber
6. Food challenges
7. Allergy prevention
8. Anaphylaxis management
9. Allergen-specific immunotherapy
10. Lung function assessment
11. Insect venom allergy
12. Drug allergy
13. The allergens jungle
14. Practical diagnostics (predefined case discussion)
**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 Symposia (CLS)**

Company Lunch Symposia 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 Symposia (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.

**Learning Lounges**

Learning Lounges 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.

**Practical Allergy Management Workshop (PAMW)**

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 e-poster 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 (P & C)**

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.

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**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 features 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 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)**

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**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:

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## Programme at a Glance, Saturday, 11 June 2016

### Foyer Stolz HALL A1 + A2 + A3 Welcome Reception Area JM Poster Area Strauss 1+2 Strauss 3 Lehár 1 Lehár 2 Lehár 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Location/Activity</th>
</tr>
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<tbody>
<tr>
<td>09:00</td>
<td>Welcome Reception Area</td>
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<tr>
<td>09:30</td>
<td>Strauss 1+2</td>
</tr>
<tr>
<td>10:00</td>
<td>Strauss 3</td>
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<tr>
<td>10:30</td>
<td>Lehár 1</td>
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<tr>
<td>11:00</td>
<td>Lehár 2</td>
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<tr>
<td>11:30</td>
<td>Lehár 3</td>
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<tr>
<td>14:00</td>
<td>Clinical Village</td>
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<tr>
<td>14:30</td>
<td>PG 1 Allergen-specific Immunotherapy (AIT) - Advanced</td>
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<tr>
<td>15:00</td>
<td>PG 2 Dermatology for the allergist - Basic</td>
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<tr>
<td>15:30</td>
<td>PG 3 Diagnosis of food allergy - Basic</td>
</tr>
<tr>
<td>16:00</td>
<td>PG 4 Allied Health: Translating hot topics into everyday practice - Basic</td>
</tr>
<tr>
<td>16:30</td>
<td>PG 5 Hands-on rhinolaryngoscopy - Basic</td>
</tr>
<tr>
<td>17:00</td>
<td>PG 6 Eosinophilic Esophagitis - Basic</td>
</tr>
<tr>
<td>17:30</td>
<td>PG 7 Update on drug hypersensitivity reactions - Basic</td>
</tr>
<tr>
<td>18:00</td>
<td>PG 8 Allergic eye disease in childhood - Basic</td>
</tr>
<tr>
<td>18:30</td>
<td>PG 9 Inflammation and immune biomarkers in childhood non-communicable diseases - Advanced</td>
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<tr>
<td>19:00</td>
<td>PG 10 Different recipes for management of asthma: Which one is the best? - Basic</td>
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<tr>
<td>20:00</td>
<td>PC Opening Ceremony</td>
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<tr>
<td>21:00</td>
<td>PC Welcome Reception</td>
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<tr>
<td>22:00</td>
<td>PC Poster Sessions (JMs) Junior Members</td>
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<tr>
<td>23:00</td>
<td>PC</td>
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<tr>
<td>Time</td>
<td>Session</td>
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</tr>
</tbody>
</table>
| 09:00 | Postgrad  | Schub  | A1 + A2 + A3 | Welcome to EAACI2016
| 09:30 | Postgrad  | Schub  | A1 + A2 + A3 | Postgraduate Course in Allergy for Primary Care Doctors: German language
| 10:00 |          |        |        |ＪＭ Posters Area                                                   |
| 10:30 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
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| 12:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
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| 14:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
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| 17:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
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| 18:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
| 18:30 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
| 19:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
| 20:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
| 21:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
| 22:00 |          |        |        | Strauss 1+2 Strauss 3 Lehar 1 Lehar 2 Lehar 3 Lehar 4 Stolz 1 Stolz 2 Schubert 1 Schubert 2 Schubert 3 Schubert 4 Schubert 5 |
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.

Programme is still subject to change. Please refer to the Congress App for the latest programme.

**Postgraduate Course in Allergy for Primary Care Doctors**

**09:00 – 12:30**

**German language**  
Schubert 5

**Aufbaukurs Allergie für Allgemeinmediziner**

Die Interessensgemeinschaft (IG) für Allgemeinmedizin der Europäischen Akademie für Allergie und klinische Immunologie (EAACI) lädt zu einem Aufbaukurs im Bereich Allergie ein. EAACIs IG für Allgemeinmedizin ist auch Teil der Europäischen Gesellschaft für Allgemeinmedizin (WONCA Europe).

**Erbareien Sie in kollegialem und entspanntem Umfeld Diagnose- und Behandlungspfade komplexer Fälle.**


Die Teilnehmer werden anhand zahlreicher realistischer Entscheidungsmomente eine tatsächliche Konsultation nachvollziehen.

**Drei Szenarien werden besprochen:**
- 27-jähriger Patient mit Hustenbeschwerden
- 6-jähriges Kind mit Anaphylaxie während einer Geburtstagsfeier
- 36-jährige Patientin mit sporadischem juckendem Ausschlag

**Der Kurs wird vormittags in Deutsch und nachmittags in Englisch gehalten und qualifiziert für 4 Fortbildungspunkte.**

**Moderators:**
- Karin Hoffmann Sommergruber, Austria
- Elisabeth Bandi-Ott, Switzerland
- Peter Schmid-Grendelmeier, Switzerland
- Angela Schedlbauer, Germany
- Manfred Maier, Austria

**EAACI/UEMS Exam (Exam)**

**11:00 – 14:00**

**9th EAACI/UEMS Examination in Allergology and Clinical Immunology**  
Strauss 1+2

EAACI administers the annual European Knowledge Examination for Allergy and Clinical Immunology which will take place for the ninth time at the EAACI Congress 2016 in Vienna. 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.

**Clinical Village**

**14:00 – 18:00**

**Clinical Village**  
Foyer Stolz

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

**Opening hours:**
- Saturday, 11 June 2016: 14:00 – 18:00
- Sunday, 12 June 2016: 12:00 – 16:00
### Postgraduate Course (PG1) 14:00 – 17:30

#### Allergen-specific Immunotherapy (AIT) – Advanced

**Lehar 1**

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

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<th>Session</th>
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<tr>
<td>Training in AIT: European consensus?</td>
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<td>Lars Jacobsen, Denmark</td>
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<td>Outcomes in AIT</td>
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<td>Oliver Pfaar, Germany</td>
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<td>Coffee break / visit to the clinical village</td>
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<td>Rare allergens in AIT: Enough evidence for practical use?</td>
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<td>Ludger Klimek, Germany</td>
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<td>Safety profile of AIT: Current view and future developments</td>
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<td>Desiree Larenas-Linnemann, Mexico</td>
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<td>The role of patient reported outcomes in AIT prescription and follow-up</td>
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<td>Giovanni Passalacqua, Italy</td>
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</table>

### Postgraduate Course (PG2) 14:00 – 17:30

#### Dermatology for the allergist – Basic

**Lehar 2**

**Chairs:**
- Karoline Krause, Germany
- Werner Aberer, Austria

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<tr>
<th>Session</th>
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<tr>
<td>Urticaria: What else could it be?</td>
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<td>Karoline Krause, Germany</td>
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<tr>
<td>Atopic dermatitis: Differential diagnosis</td>
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<td>Charlotte G. Mortz, Denmark</td>
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<tr>
<td>Coffee break / visit to the clinical village</td>
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<tr>
<td>How to diagnose a rash</td>
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<td>Werner Aberer, Austria</td>
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### Postgraduate Course (PG3) 14:00 – 17:30

#### Diagnosis of food allergy – Basic

**Lehar 3**

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

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<tr>
<th>Session</th>
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<tr>
<td>Food allergy: An overview</td>
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<td>André Knulst, The Netherlands</td>
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<td>In vivo and in vitro testing</td>
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<td>Rodrigo Rodrigues Alves, Portugal</td>
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<td>Coffee break / visit to the clinical village</td>
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<tr>
<td>Challenge</td>
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<td>Montserrat Fernández-Rivas, Spain</td>
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<td>Augmentation factors</td>
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<td>Bodo Niggemann, Germany</td>
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</table>
Postgraduate Course (PG4) 14:00 – 17:30

Allied Health: Translating hot topics into everyday practice – Basic
Lehar 4

Chairs: Isabel Skypala, United Kingdom
Kate Grimshaw, United Kingdom

- Nutrition and food allergy: Not just healthy eating
  Kate Grimshaw, United Kingdom
- Food challenges: From guidelines to reality
  Alice Toniolo, Italy
- Coffee break / visit to the clinical village
- The EAACI guidelines on food allergy diagnosis: Implementation in everyday nursing and dietetic practice
  Isabel Skypala, United Kingdom
- Adherence in the food allergic child: Giving practical support
  Inger Kull, Sweden

Postgraduate Course (PG5) 14:00 – 17:30

Hands-on rhinolaryngoscopy – Basic
Stolz 1

Chairs: Ralph Mösges, Germany
Philippe Gevaert, Belgium

- Upper airway disease: Diagnosis
  Cemal Cingi, Turkey
- ENT examination and anterior rhinoscopy
  Valerie Hox, Belgium
- Nasal Endoscopy: Anatomical, rhinitis, rhinosinusitis with and without nasal polyps
  Peter Tomazic, Austria
- Flexible nasolaryngoscopy: Pharynx, larynx, vocal cords
  Martin Wagenmann, Germany
- Coffee break / visit to the clinical village
- Hands-on in two groups:
  Peter Tomazic/ Valerie Hox/ Martin Wagenmann/ Cemal Cingi/ Philippe Gevaert:
  1) ENT examination and anterior rhinoscopy/ 2) Endoscopy
  2) ENT examination and anterior rhinoscopy/ 1) Endoscopy

Postgraduate Course (PG6) 14:00 – 17:30

Eosinophilic Esophagitis – Basic
Stolz 2

Chairs: Alex Straumann, Switzerland
Ingrid Terreehorst, The Netherlands

- Setting the scene: Adult and pediatric EoE: A chameleon or two different animals?
  Alex Straumann, Switzerland
- Pathogenesis of EoE: Are eosinophils important at all?
  Antonella Cianferoni, United States
- Coffee break / visit to the clinical village
- The role of the Allergist in EoE: To test or not to test?
  Ingrid Terreehorst, The Netherlands
- Finding the offending food: The Sherlock Holmes experience
  Alfredo Lucendo, Spain
- The role of the dietitian in EoE: Managing my palate and my plate
  Carina Venter, United Kingdom
Postgraduate Course (PG7) 14:00 – 17:30

Update on drug hypersensitivity reactions – Basic

Chairs: Knut Brockow, Germany
        Andreas Bircher, Switzerland

Classification of drug allergy
Andreas Bircher, Switzerland

European Allergy Pass
Knut Brockow, Germany

Towards a consensus in skin testing
Josefina Cernadas, Portugal

Coffee break / visit to the clinical village

In vitro diagnosis: Is it really useful?
Cristobalina Mayorga, Spain

Drug provocation test: The gold standard
Anca Mirela Chiriac, France

Postgraduate Course (PG8) 14:00 – 17:30

Allergic eye disease in childhood – Basic

Chairs: Jean Luc Fauquert, France
        Andrea Leonardi, Italy

The eye examination: A refresher
Daniel Perez Formigo, Spain

Overview of common allergic eye disease in children
Pia Allegri, Italy

Review of common allergens affecting the eye and diagnostic modalities
Frédéric de Blay, France

Coffee break / visit to the clinical village

Available therapies (including Immunotherapy)
Vibha Sharma, United Kingdom

Informative case report
Diana Silva, Portugal

Postgraduate Course (PG9) 14:00 – 17:30

Inflammation and immune biomarkers in childhood non-communicable diseases – Advanced

Chairs: Claudio Rhyner, Switzerland
        Susan Prescott, Australia

Early immune development in disease
Susan Prescott, Australia

Monitoring inflammation: Benefits and challenges of immune biomarkers
Claudio Rhyner, Switzerland

Coffee break / visit to the clinical village

Biomarkers in asthma and allergy
Chrysanti Skevaki, Germany

Biomarkers in gastrointestinal immune disorders
Cathy Thornton, United Kingdom

Biomarkers in other immune-mediated disease
Carlo Agostini, Italy
### Postgraduate Course (PG10) 14:00 – 17:30

**Different recipes for management of asthma: Which one is the best? – Basic**

**Chairs:**
- Enrico Heffler, Italy
- Zuzana Diamant, The Netherlands

**Guideline guided**
- Mina Gaga, Greece

**Exhaled nitric oxide guided**
- Enrico Heffler, Italy

**Sputum guided**
- Stellios Loukides, Greece

**Coffee break / visit to the clinical village**

**Airway hyperresponsiveness guided**
- Zuzana Diamant, The Netherlands

**Asthma control test guided**
- Bulent Şekerel, Turkey

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### Postgraduate Course in Allergy for Primary Care Doctors 14:00 – 17:30

**English language**

The EAACI Primary Care Interest Group (PCIG) invites you to the Postgraduate Course for Primary Care doctors. PCIG is a Specialist Interest Group of WONCA Europe.

**Learn and develop a diagnostic and therapeutic pathway in a relaxed environment**

The Postgraduate Course for Primary Care doctors is designed to reproduce real situations in a virtual and safe medical setting. The purpose is for GPs and specialists to work together on challenging cases as an example of integrated care and interactive learning. Course participants will get to explore various decision points similar to during a regular consultation.

**Scenarios:**
- 27 year old man with complaints of cough
- 6 year old child with anaphylaxis during birthday party
- 36 year old female patient with intermittent itchy rash

**The course is held in German and English and qualifies for 4 CME credits.**

**Moderators:**
- Roy Gerth van Wijk, The Netherlands
- Elisabeth Bandi-Ott, Switzerland
- Erkka Valovirta, Finland
- Dermot Ryan, United Kingdom
- Elizabeth Angier, United Kingdom
- Angela Schedlbauer, Germany
- Manfred Maier, Austria
- Peter Schmid-Grendelmeier, Switzerland
Talent Development Programme 14:00 – 17:30

The Evolution of Leadership in the 21st Century: How it applies to you
[Attendance limited to members of EAACI boards; by invitation only] Strauss 3

The President of EAACI is pleased to launch an exciting new program for emerging and future leaders as well as for members in senior positions. The aim is to provide additional value by updating and enhancing members’ leadership skills, while strengthening the leadership pipeline and positioning the organisation to meet its needs effectively as expansion continues. This is in conjunction with the intention to create further management opportunities in the near future.

Who Can Attend
In this special session, participation is by invitation only. Attendance is limited to:
• EAACI Board of Officers
• Executive Committee members
• Section Chairs and Secretaries
• Interest Group Chairs and Secretaries
• Specially designated board members

Course Leader: Valerie Ryder

Opening Ceremony 19:00 – 20:00
Opening Ceremony HALL A1 + Hall A2 + Hall A3

Welcome Reception 20:00 – 23:00
Welcome Reception Welcome Reception Area

Junior Members (JMs) 20:00 – 22:00
JMs Poster Session JM Poster Area
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<tr>
<th>Time</th>
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<tr>
<td>08:30</td>
<td>PL 1</td>
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<td>13:30</td>
<td>SYM 7 How to treat severe immunologic cutaneous diseases</td>
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<td>HT 1 Tolerance induction in food allergy</td>
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<td>14:30</td>
<td>SYM 8 Evidence for efficacy in allergen immunotherapy trials</td>
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<td>15:00</td>
<td>SYM 9 Allergy and asthma in older people</td>
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<td>15:30</td>
<td>SYM 10 Immunological pathways in severe asthma</td>
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<td>16:00</td>
<td>CSS 2 Company Sponsored Symposium</td>
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<td>SYM 11 Pollen: More than a grain of allergen</td>
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<td>17:00</td>
<td>SYM 12 Primary prevention of allergic disease</td>
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<td>SYM 13 A systematic approach to anaphylaxis</td>
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<td>18:00</td>
<td>SYM 14 Remission and relapse in asthma</td>
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<td>SYM 15 Allergies around the globe</td>
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<td>SYM 16 Immunotherapy for food allergy</td>
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<td>SYM 17 Hot topics in insect venom allergy</td>
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Programme at a Glance, Sunday, 12 June 2016
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.

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### Learning Lounges 07:30 – 08:15

- **Learning Lounge (LL 1)**
  - **Business Suite 1**
  - **OIT for food allergies**
    - Wayne Shreffler, United States

- **Learning Lounge (LL 2)**
  - **Business Suite 2**
  - **Dietary approaches to the diagnosis and management of food allergy in adults**
    - Isabel Skypala, United Kingdom

- **Learning Lounge (LL 3)**
  - **Galerie 3+4**
  - **Practical administration of immunotherapy: Nuts and bolts**
    - Eva-Maria Varga, Austria

### Plenary Symposium (PL 1) 08:30 – 10:00

- **25 years of recombinant allergens: Pitfalls and benefits**
  - **HALL A1 + Hall A2 + Hall A3**
  - **Chairs:**
    - Antonella Muraro, Italy
    - Barbara Bohle, Austria
  - **What have recombinant allergens taught us?**
    - Heimo Breiteneder, Austria
  - **Recombinant allergens: Really better than extracts?**
    - Stefan Vieths, Germany
  - **Recombinant allergens: Revolutionising allergy diagnosis and treatment?**
    - Marek Jutel, Poland

### Symposium (SYM 1) 10:30 – 12:00

- **Lessons from large birth cohorts**
  - **Hall B1**
  - **Chairs:**
    - Philippe Eigenmann, Switzerland
    - Adnan Custovic, United Kingdom
  - **Redefining phenotypes: STELER study**
    - Angela Simpson, United Kingdom
  - **Genetics with power: The EAGLE study**
    - Klaus Bennelykke, Denmark
  - **Role of air pollution: ESCAPE study**
    - Ulrike Gehring, The Netherlands

### Symposium (SYM 2) 10:30 – 12:00

- **Biomarkers in allergy and inflammation**
  - **Hall B2**
  - **Chairs:**
    - Joaquin Sastre, Spain
    - Gert-Jan Braunstahl, The Netherlands
  - **Biomarkers in asthma and airway re-modeling**
    - Hae-Sim Park, Republic of Korea
  - **Task Force on biomarkers for immunotherapy: Status and expectations**
    - Adam Chaker, Germany
  - **Use of biomarkers in personalised medicine**
    - Ioana Agache, Romania
Symposium (SYM 3) 10:30 – 12:00

The intrigues of the asthmatic lung – Women in Science

Chairs: Mübarek Akdis, Switzerland
Antonella Muraro, Italy

The challenge of treating severe asthma patients
Elisabeth Bel, The Netherlands

Immune mechanisms controlling respiratory health
Catherine Hawrylowicz, United Kingdom

Molecular phenotypes of asthma
Sally Wenzel, United States

Symposium (SYM 4) 10:30 – 12:00

What do we really know about severe food allergic reactions?

Chairs: Clare Mills, United Kingdom
Marco Caminati, Italy

Epidemiology of severe food allergic reactions
Margitta Worm, Germany

Severity grading of food allergic reactions
Montserrat Fernández-Rivas, Spain

Reactions to low food allergen doses: Lessons from one-shot food challenges
Jonathan Hourihane, Ireland

Symposium (SYM 5) 10:30 – 12:00

New problems in drug hypersensitivity reactions

Chairs: Patrizia Bonadonna, Italy
Lene Heise Garvey, Denmark

Reactions to PPI
Sevim Bavbek, Turkey

Reactions to IV iron
Andreas Bircher, Switzerland

Hypersensitivity to clavulanic acid
Maria Jose Torres, Spain

Symposium (SYM 6) 10:30 – 12:00

Mechanisms and interpretation of skin testing

Chairs: Riccardo Asero, Italy
Torsten Zuberbier, Germany

What can we learn from patch testing?
Ulf Darsow, Germany

What can we learn from skin prick and intracutaneous testing?
Marta Ferrer, Spain

What can we learn from testing with autologous and heterologous serum in the skin?
Carsten Bindslev-Jensen, Denmark
Workshop (WS 1) 10:30 – 12:00  
Mastocytosis  
Chairs: Marcus Maurer, Germany  
Werner Aberer, Austria  
When should you suspect mastocytosis in children and adults? 
Clinical cases  
Frank Siebenhaar, Germany  
Diagnostic procedures including comorbidities  
Sigurd Broesby-Olsen, Denmark

Sister Society Symposium (SSS 1) 10:30 – 12:00  
SLAAI Symposium: Allergies in developing countries. Are there real differences in the modern world?  
Chair: Edgardo Jares, Argentina  
Hygiene hypothesis under the scope of developing countries  
Juan Carlos Sisul Alvariza, Paraguay  
Asthma pearls from Latin America  
Alvaro Cruz, Brazil  
Allergy treatment in developing regions: Is “one size fits all” the right choice?  
Patricia Latour, Dominican Republic

Year in Review (YIR 1) 10:30 – 12:00  
Pediatrics  
Chairs: Montserrat Alvaro Lozano, Spain  
Lauri-Ann van der Poel, United Kingdom  
Food allergy prevention: Just a dream?  
Katie Allen, Australia  
From atopic eczema to food allergy  
Bodo Niggemann, Germany  
Biologicals in childhood atopic diseases: More to be expected?  
Susan Chan, United Kingdom

Oral Abstract Session (OAS 1) 10:30 – 12:00  
Immune mechanisms of allergen-specific immunotherapy  
Chairs: Stephen Durham, United Kingdom  
Ignacio Esteban Gorgojo, Spain  
Session roadmap  
Stephen Durham, United Kingdom  
1 Genome-wide DNA methylation analysis during oral immunotherapy in children  
Takizawa T.1, Yagi H.1, Koyama H.1, Tokunaga M.1, Sato K.1, Nishida Y.1, Aizawa A.1, Arakawa H.1  
1Gunma University Graduate School of Medicine, Pediatrics, Maebashi, Japan  
2 Grass pollen subcutaneous and sublingual immunotherapy inhibit allergen-induced nasal responses and local Th2 cytokines: a randomised controlled trial  
Scadding G.1, Calderon M.1, Shamji M.H.1, Penagos M.1, Elfan A.1, Phippard D.2, Harris K.M.2, Chani E.2, Qin T.2, Tchao N.3, Togias A.4, Bahnson H.T.5, Sever M.L.5, Lawson K.5, Wurtzen P.A.6, Durham S.R.1  
1Imperial College London, Allergy, London, United Kingdom  
2Immune Tolerance Network, UCSF, San Francisco, United States  
3National Institute of Allergy and Infectious Diseases, Bethesda, United States  
4Rho Federal Systems Division, Chapel Hill, United States  
5Alk-Abello, Horsholm, Denmark  
3 Unique epigenetic modulation by EPIT compared to OIT in a model of peanut sensitized mice: sustainable GATA-3 hypermethylation and Foxp3 hypomethylation  
Mondoulet L.1, Plaquet C.1, Ligouis M.1, Dheleit V.1, Puteaux E.1, Sampson H.2, Benhamou P-H.1, Dupont C.1, Test J.1  
1DBV Technologies, Montrouge, France  
4DBV Technologies, New York, United States  
5Necker Hospital, Paris, France  
6CEA-IG, CNG, Evry, France
4 RNA-seq transcriptome analysis of human allergen-specific T cells suggests a role for IL-8 downregulation and modulation of allergic inflammatory cells as one of several potential mechanisms of action of intradermal immunotherapy with Fel d 1 synthetic peptides
Tonti E.1, Gilidon D.R.2, Kim Y.-W.3,4, Tebbutt S.J.3,4,5, Shannon C.P.3, Kwok W.W.1, Hickey P.L.C.7, Ellis A.K.8,9, Neighbour H.1,10, Larché M.1,10, Sherburn R.1
1McMaster University, Department of Medicine, Hamilton, Canada, 2Circassia Pharmaceuticals Ltd, Oxford, United Kingdom, 3Prevention of Organ Failure (PROOF) Centre of Excellence, Vancouver, Canada, 4University of British Columbia, James Hogg Research Centre for Heart Lung Innovation, Vancouver, Canada, 5University of British Columbia, Department of Medicine (Respiratory Division), Vancouver, Canada, 6Benaroya Research Institute at Virginia Mason, Seattle, United States, 7Adaiga Life Sciences, Hamilton, Canada, 8Queens University, Departments of Medical and Biomedical & Molecular Science, Kingston, Canada, 9Kingston General Hospital, Allergy Research Unit, Kingston, Canada, 10McMaster University, Firestone Institute for Respiratory Health, Hamilton, Canada

5 Siglec targeting of Phl p 5a peptides leads to superior suppression of allergic inflammation in vivo
Hesse L.1,2, Wellink A.3, de Jager W.1,2, Petersen A.1,2, de Bruin H.G.1,2, Ambrosini M.2, van Kooyk Y.2, Nawijn M.C.1,2
1University Medical Center Groningen, University of Groningen, Pathology and Medical Biology, Groningen, The Netherlands, 2Groningen Research Institute for Asthma and COPD (GRIAC), Groningen, The Netherlands, 3DC4U, Amsterdam, The Netherlands

The C10 regulatory dendritic cell marker inhibits allergic inflammation through a modulation of pDC function
Mascarello L.1, Airouche S.1, Jain K.1, Nony E.1, Baron-Bodo V.1, Moingeon P.1

1Stallergenes Greer, Research Department, Antony, France

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

From biomarkers to asthma phenotypes
Schubert 1-3

Sunday, 12 June 2016

Session roadmap
Zuzana Diamant, The Netherlands

Chairs: Zuzana Diamant, The Netherlands
        Enrico Heffler, Italy

7 Allergen-specific biomarkers to distinguish severe asthma endotypes
Belgrave D.1, Simpson A.2, Custovic A.1
1Imperial College, Department of Medicine (Paediatrics), London, United Kingdom, 2University of Manchester, Manchester, United Kingdom

8 Low grade IgE sensitisation and Th2-driven inflammation in asthma
Tsiolakis N.1, Malinovschi A.2, 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

9 Eosinophil miRNAs as biomarkers in asthma
Cañas J.A.1,2, Sastre B.1,2, Mazzeo C.1,2, Guerra A.1,2, Rego N.3,4, Greif G.1, Barranco P.2,4, Quirce S.2,4, Sastre J.1, del Pozo V.1,2
1IIS-Fundación Jiménez Díaz-UAM, Immunology, Madrid, Spain, 2Ciber de Enfermedades Respiratorias, CIBERES, Madrid, Spain, 3Instituto Paster de Montevideo, Montevideo, Uruguay, 4Hospital La Paz Institute for Health Research (IdiPAZ), Madrid, Spain, 5Fundación Jiménez Díaz, Madrid, Spain

10 Sputum but not plasma periostin levels correlate with sputum eosinophil counts in asthma
Larose M.-C.1, Archambault A.-S.1, Provost V.1, Jamila C.1, Laviolette M.1, Flamand N.1
1Centre de Recherche de l’Institut Universitaire de Cardiologie et de Pneumologie de Québec, Quebec, Canada

11 Relation of serum and sputum IL-33 levels with sputum inflammatory cells and lung function in bronchial asthma compared to normal controls and COPD
Kim M.-H.1, Chang H.S.2, Park J.S.2, Jang A.S.2, Cho Y.-J.1, Chang S.-I.1, Park C.-S.2
1Ewha Womans University School of Medicine, Internal Medicine, Seoul, Republic of Korea, 2Soonchunhyang University Bucheon Hospital, Allergy and Respiratory Medicine, Bucheon, Republic of Korea, 3Sung-Ae General Hospital, Internal Medicine, Seoul, Republic of Korea

Serum levels of adiponectin and leptin hormones in asthma patient and their relationship with asthma severity and lung function
Nasiri Kalmarzi R.1, Ataei P.2, Kooti W.1, Mansori M.2, Ahmadi S.A.4, Kaviani Z.4, Khalafli B.4, Moradi G.3
1Cellular & Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 2Kurdistan University of Medical Sciences, Department of Pediatrics of Beast Hospital, Sanandaj, Iran, Islamic Republic of, 3Kurdistan University of Medical Sciences, Sanandaj, Iran, Students Research Committee, Sanandaj, Iran, Islamic Republic of, 4Kurdistan University of Medical Sciences, Social Determinants of Health Research Center, Sanandaj, Iran, Islamic Republic of
Mechanisms and treatment of chronic rhinosinusitis

**Poster Discussion Zone 1**

**Mechanisms and treatment of chronic rhinosinusitis**

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

**Chairs:** Valerie Hox, Belgium  
Peter Tomazic, Austria

192 Increased group 2 innate lymphoid cells in the peripheral blood of house dust mite allergic rhinitis in southern China may induce type 2 inflammation  
Zhong H.1, Yu Q.1, Wei J.1, Sun Y.1, Chen D.1, Chen D.1, Lin Z.1, Fu Q.1, Zhang N.2, Bachert C.2, Wen W.1  
1Otorhinolaryngology Hospital and Otorhinolaryngology Institute, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, 2Upper Airway Research Laboratory (URL), Department of Otorhinolaryngology, Ghent University Hospital, Ghent, Belgium

193 Effect on differentiation of human dendritic cells co-culture with primary nasal epithelial cells in vitro  
Jichao S.1, Meng C.1, Fu Y.2, Zhu D.1  
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2Jilin University, Neurosurgery, Changchun, China

194 IL-2 contribute the remodeling in chronic allergic rhinitis murine model  
Li L.1, Meng C.1, Jiang X.2, Jichao S.1, Wang Z.3, Xiu Q.1  
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital of Jilin University, Neurosurgery, Changchun, China

195 Expression level and significance of IL-17A, IFN-γ and IL-23 in serum and nasal secretion of patients with chronic rhinosinusitis  
Meng C.1, Sha J.1, Fu Y.2, Xiu Q.2  
1Jilin University, ENT, Changchun, China, 2Jilin University, Neurosurgery, Changchun, China

196 The anti-inflammation effect of alcohol extractive of the fruit of physalis pubescens L. in CRS  
Jichao S.1, Meng C.1, Fu Y.2, Zhu D.1  
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital of Jilin University, Neurosurgery, Changchun, China

197 The effect of hypoxia on nasal polyps and normal inferior turbinate derived nasal epithelial cells  
Qian X.1,2, Zhang L.3, Sha J.1, Chen X.1, Meng C.1, Zhu D.1  
1Jilin University, Changchun, China, 2China-Japan Union Hospital affiliated with Jilin University, Otolaryngology, Changchun, China, 3Northeast Normal University, Changchun, China

198 Immunopathologic features in antrochoanal polyps  
Jin P.1,2, Liu J.1, Yan Y.1, Zi X.2, Zhao L.2, Chen Z.1, Li C.1, Li Y.1, Shi L.1, Wang D.1  
1National University of Singapore, National University Health System, Department of Otolaryngology, Singapore, Singapore, 2The Second Affiliated Hospital, Shandong University, Department of Otolaryngology, Jinan, China

199 Evaluation of the safety of antimicrobial photodynamic therapy (apPDT) for refractory chronic rhinosinusitis  
Desrosiers M.1, Mfuna Endam L.1, Lasso A.2, Kilty S.2  
1Université de Montréal, ENT, Montréal, Canada, 2University of Ottawa, ENT, Ottawa, Canada

200 Association of fungal hypersensitivity and their presence in the air with development of fungal rhinosinusitis  
Tomic-Spiric V.1, Barac A.2, Bogic M.1, Stosovic R.1, Peric-Popadic A.1, Djuric V.1, Arsic Arsenijevic V.2  
1Faculty of Medicine, University of Belgrade, Clinic of Allergology and Immunology, Clinical Center of Serbia, Belgrade, Serbia, 2Faculty of Medicine, University of Belgrade, Institute of Microbiology and Immunology, Belgrade, Serbia

201 Serum eosinophilia > 0.3 x 10^9/L in CRS is associated with severe recurrent disease and has an influence on the dysbiotic sinus microbiome  
Desrosiers M.1, Mfuna Endam L.1  
1Université de Montréal, ENT, Montréal, Canada

202 The local immunity in the tissues of various forms of nasal polyps  
Volkhidov U.N.1, Khasanov U.S.1, Djuraev J.A.1, Sultanov D.M.1, Ernazarov J.G.1  
1Tashkent Medical Academy, ENT Diseases, Tashkent, Uzbekistan

203 The application of high definition and special imaging in endoscopic sinusitis surgery of chronic rhinosinusitis patients  
Meng C.1, Sha J.1, Fu Y.2, Xiu Q.1  
1Jilin University, Changchun, China

204 Affection of pain level under nasal endoscopic examination: anesthetic, vasoconstrictor medicines ratio and personal history  
Xiu Q.1, Chen X.2, Meng C.2, Zhu D.2  
1Jilin University, Otolaryngology, Changchun, China, 2Jilin University, Changchun, China

205 Pollen counts and its possible influence on the number of surgical nasal procedures performed  
Bartle J.1, van der Schans E.M.1, Kuet M.1, Yung M.1  
1Ipswich Hospital NHS Trust, ENT Outpatients, Ipswich, United Kingdom
**Poster Discussion Session (PDS 2)**

**Poster Discussion Zone 2**

**Chairs:** Bettina M. Jensen, Denmark  
Claudio Rhymer, Switzerland

**206 IL-10 up-regulates IL-3-mediated production of Granzyme B in human basophils: enhancement of a potential anti-bacterial function?**

Hagmann B.1,2, Spieg N.1, Rohner L.2, Odermatt A.2, Dahinden C.A.1, Fux M.2  
1University Hospital Bern, Inselspital, University Institute of Immunology, Bern, Switzerland. 2University Hospital Bern, Inselspital, University Institute of Clinical Chemistry, Bern, Switzerland

**207 Number and affinity of IgE clones determines human mast cell activation**

Hjort C.1, Schiati P.O.2, Hoffmann H.J.1  
1Aarhus University Hospital, Department of Respiratory Diseases and Allergy, Aarhus, Denmark. 2Aarhus University Hospital, Department of Pediatrics, Aarhus, Denmark

**208 Expression of inhibitory receptors on human basophils rapidly increases following anti-IgE activation but does not discriminate between non-allergic and peanut allergic subjects**

Larsen L.F.1, Juel-Berg N.1, Poulsen L.K.1, Jensen B.M.1  
1Allergy Clinic, Gentofte University Hospital, Copenhagen, Denmark

**209 Apolipoprotein A-IV negatively regulates eosinophil trafficking**

Sturm E.M.1, Frei-Winterleitner R.B.1, Marsche G.1, Heinemann A.1  
1Medical University of Graz, Institute of Experimental & Clinical Pharmacology, Graz, Austria

**210 D-type prostanoid receptor signaling promotes survival of eosinophils by inhibition of the intrinsic apoptosis pathway and activates related gene regulation elements**

Peinhardt M.1, Roula D.1, Sedej M.1, Rothenberg M.E.2, Heinemann A.1  
1Medical University of Graz, Institute of Experimental and Clinical Pharmacology, Graz, Austria. 2Cincinnati Children's Hospital Medical Center, Division of Allergy and Immunology, Cincinnati, United States

**211 Direct infection and rhinovirus replication in human mast cells results in activation but not degranulation**

West P.W.1, Bahri R.2, Megremis S.1, Bullfone-Paus S.2, Papadopoulos N.G.1  
1University of Manchester, Institute of Human Development, Manchester, United Kingdom. 2University of Manchester MCCR, Institute of Inflammation & Repair, Manchester, United Kingdom. 3University of Athens, Allergy Department, 2nd Pediatric Clinic, Athens, Greece

**212 ICOS-ligand expression on basophils membrane**

Boita M.1, Dianzani U.2, Omedè P.1, Bucca C.1, Rolla G.1  
1AO Mauriziano ‘Umberto I’ Hospital, University of Torino, Department of Medical Sciences - Allergy and Clinical Immunology, Turin, Italy. 2Interdisciplinary Research Center of Autoimmune Diseases (IRCAD), University of Eastern Piedmont ‘A Avogadro’, Department of Health Sciences, Novara, Italy. 3Division of Hematology, A.O.U. Città della Salute e della Scienza, Turin, Italy. 4Città della Salute Hospital, University of Torino, Department of Medical Sciences - Respiratory Diseases, Turin, Italy

**213 IL-17A induces FGF-2 and VEGF secretion in cultured human mast cells**

Gura H.K.1, Roos A.2,3, Erjefält J.1, Lorentz A.4, Stampfl M.2, Hoffmann H.J.1  
1Aarhus University Hospital, Department of Respiratory Diseases and Allergy, Aarhus C, Denmark. 2McMaster University, Department of Pathology and Molecular Medicine, Hamilton, Canada. 3Lund University, Department of Experimental Medical Science, Lund, Sweden. 4University of Hohenheim, Department of Nutritional Medicine, Stuttgart, Germany

**214 Reference range of peripheral blood eosinophils at 12 months of age**

Bener S.1, Ben Tov A.2,3  
1Tel Aviv Medical Center, Allergy and Clinical Immunology, Tel Aviv, Israel. 2Tel Aviv Medical Center, Pediatric Gastroenterology, Tel Aviv, Israel. 3Maccabi Health Services, Tel Aviv, Israel

**215 Basophil reactivity and sensitivity are not affected by diurnal variation and may therefore be stable metrics of the allergen response**

Lind C.1,2, Skaarup S.H.1,2, Lorentz A.1,2, Hoffmann H.J.1,2  
1Aarhus University Hospital, Department of Respiratory Diseases and Allergy, Aarhus C, Denmark. 2Aarhus University, Department of Clinical Medicine, Aarhus C, Denmark. 3University Hospital Bern, Department of Nutritional Medicine, Stuttgart, Germany

**216 Pathological proliferation of mast cells resulting from either an extracellular domain mutation or stem cell factor autocrine/paracrine**

Amagai Y.1, Matsuda H.1, Tanaka A.1  
1Tokyo University of Agriculture and Technology, Fuchu, Japan

**218 Src-homology 2 domain-containing tyrosine phosphatase (SHP-2) controls aryl hydrocarbon receptor–mediated mitochondrial and ER stress response in mast cells**

Wang H.-C.1, Zhou Y.2, Huang S.-K.3  
1China Medical University Hospital, Taichung, Taiwan. 2Fudan University, Shanghai, China. 3National Health Research Institutes, Miaoli, Taiwan

**219 Btk targeting drugs and their effects on high-affinity IgE receptor-mediated signal transduction and activation of mast cells and basophils**

Smiljekovic D.1, Blatt K.1, Stefanzl G.1, Dorofeeva Y.2, Focke-Tejkl M.2, Valenta R.3, Valenta P.1,3  
1Division of Hematology and Hemostaseology Medical University of Vienna, Austria. 2Department of Internal Medicine I, Vienna, Austria. 3Division of Immunopathology, Center for Pathophysiology, Immunology and Infectiology, Medical University of Vienna, Department of Pathophysiology, Vienna, Austria. 4Ludwig Boltzmann Cluster Oncology, Medical University of Vienna, Vienna, Austria
220 E-type prostanoid receptor 4 (EP4) agonist treatment has dose-dependent beneficial and harmful effects in nephrotic serum nephritis

Aringer I.1, Kirsch A.H.2, Artinger K.2, Schabhüttl C.1, Jandl K.1, Kirsch A.4, Frank S.4, Eller P.3, Rosenkranz A.R.2, Heinemann A.1, Eller K.2
1Medical University of Graz, Institute of Experimental and Clinical Pharmacology, Graz, Austria, 2Medical University of Graz, Clinical Division of Nephrology, Department of Internal Medicine, Graz, Austria, 3Medical University of Graz, Clinical Division of Nephrology, Department of Internal Medicine, Graz, Austria, 4Medical University of Graz, Institute of Molecular Biology and Biochemistry, Graz, Austria, 5Medical University of Graz, Intensive Care Unit, Department of Internal Medicine, Graz, Austria

227 Leptin effect on cytokine gene expression in childhood idiopathic thrombocytopenic purpura (ITP): an anti-inflammatory agent?

Thomas J.1, Kavreva A.2, Spilioti B.E.2, Mouzaki A.1
1University of Patras, School of Medicine, Department of Internal Medicine, Division of Hematology, Patras, Greece, 2University of Patras, School of Medicine, Department of Pediatrics, Division of Pediatric Endocrinology and Diabetes, Patras, Greece

228 Topical delivery of aceclofenac by novel nanostructured carrier

Bhargava M.1, Bhargava S.2
1ICFAI University, Kanpur, India, 2Manav Bharti University, Kanpur, India

229 Serum IL-18 as biomarker in predicting pediatric-onset systemic lupus erythematosus Nephritis treatment response

Wu C.-Y.1, Huang S.-J.1, Lin L.-L.1, Yeh K.-W.1, Huang J.-L.1
1Chang Gung Memorial Hospital, Paediatrics, Guishan Shiang, Taiwan

230 Kikuchi-Fujimoto disease

Isola S.1, Versace A.2, Giorfè M.C.2, Russo M.2, Laganà N.2, Sitajolo K.3, Napoli F.2, Salta A.2, Gangemi S.1
1Università degli Studi di Messina, Allergy and Immunology Unit, Messina, Italy, 2Università degli Studi di Messina, Internal Medicine Unit, Messina, Italy

231 Arthus reaction in a psoriatic patient treated with adalimumab

Tampa M.1, Sarbu M.I.2, Mitran C.-I.2, Mitran M.-I.2, Matei C.1, Sarbu A.3, Benea V.2, Georgescu S.-R.1
1Carol Davila University of Medicine and Pharmacy, Dermatology, Bucharest, Romania, 2Victor Babes Hospital, Dermatology, Bucharest, Romania, 3ICare, Ophthalmology, Bucharest, Romania

232 Bladder dysfunction as first manifestation of systemic lupus erythematosus

Arandjelovic S.D.1,2, Peric Popadic A.1,2, Stefanovic L.1, Plavsic A.1
1Clinical for Allergology and Immunology, Clinical Center of Serbia, Belgrade, Serbia, 2Medical Faculty, University of Belgrade, Belgrade, Serbia
Early life travelling does not increase risk of asthma, allergies and atopy until 15 years: results from GINIplus and LISAlpis

Markevych I.1,2, Standl M.1, Koletzko S.2, Lehmann I.1, Bauer C.-P.3, Hoffmann B.3,4, von Berg A.1, Berdel D.1, Heinrich J.1,6
1Helmholtz Zentrum München, Institute of Epidemiology I, Neuherberg, Germany, 2Ludwig-Maximilians-University of Munich, Dr. von Hauner Children's Hospital Munich, Munich, Germany, 3Helmholtz Centre for Environmental Research – UFZ, Department of Environmental Immunology/Core Facility Studies, Leipzig, Germany, 4Technical University of Munich, Department of Pediatrics, Munich, Germany, 5Uf – Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany, 6Heinrich-Heine University of Düsseldorf, Deanery of Medicine, Medical Faculty, Düsseldorf, Germany, 7Marien-Hospital Wesel, Research Institute, Department of Pediatrics, Wesel, Germany, 8University Hospital of Munich (LMU), Institute and Outpatient Clinic for Occupational, Social and Environmental Medicine, Munich, Germany

Sensitisation to Alt a 1 in allergic children

Martelli A.1, Allievi E.1, Origi D.1, Picentini G.1, Serradori L.1, Traina G.1
1G Saltini Hospital, Pediatrics, Garbagnate Milanese, Italy

Early polysensitisation is a risk factor for allergic multimorbidity in the PARIS birth cohort

Gabet S.1,2, Just J.3, Couderc R.4, Bousquet J.3, Seta N.1,6, Monas I.1,2

Study of relationship between the serum immunoglobulin A levels and severity of asthma in 3-8 year old children

Khanbabaee G.1, Tavajohi S.2
1Shahid Beheshti University of Medical Sciences and Health Services, Pediatric Respiratory Diseases, Tehran, Iran, Islamic Republic of, 2Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, Islamic Republic of

Fraction of exhaled nitric oxide predicts exercise test results in 7-year old children

Schon A.-M.M.1, Christiansen C.F.1, Chawes B.L.1, Bisgaard H.1
1Gentofte Hospital, University of Copenhagen, Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte, Denmark
1406  General characteristics of patients presenting skin and mucosal symptoms admitted a pediatric allergy clinic
Azkur D.1, Tandircioglu A.2, Karabulut A.A.3
1Kirikkale University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Kirikkale, Turkey,
2Kirikkale University Faculty of Medicine, Department of Pediatrics, Kirikkale, Turkey,
3Kirikkale University Faculty of Medicine, Department of Dermatology, Kirikkale, Turkey

1407  Relationship between serum 25-hydroxyvitamin D3 levels and allergic diseases in Mexican children
Fernandez de Cordova Aguirre J.1, Fogelbach G. A. G.1
1Hospital General de Mexico, Allergy and Clinical Immunology, Mexico, Mexico

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

Opening hours:
Saturday, 11 June 2016: 14:00 – 18:00
Sunday, 12 June 2016: 12:00 – 16:00

Business Meeting (BM 1)
Dermatology Section – Open to all attendees
The role of dermatology within European allergology
Thomas Werfel, Germany

Pro & Con (P & C 1)
One therapeutic dose is enough to rule out drug allergy
Chair: Andreas Bircher, Switzerland
PRO
Pascal Demoly, France
CON
Werner Aberer, Austria

Pro & Con (P & C 2)
Early introduction of food reduces food allergy
Chair: Kirsten Beyer, Germany
PRO
Susan Prescott, Australia
CON
Michael Perkin, United Kingdom

Symposium (SYM 7)
How to treat severe immunologic cutaneous diseases
Chairs: Peter Schmid-Grendelmeier, Switzerland
Charlotte G. Mortz, Denmark
PRO
Atopic Dermatitis
Antti Lauerma, Finland
Chronic urticaria
Ana Giménez-Arnau, Spain
Chronic hand eczema
Radoslaw Spiewak, Poland
CON
Symposium (SYM 8) 13:30 – 15:00
Evidence for efficacy in allergen immunotherapy trials  Hall B1

Chairs: Moises Calderon, United Kingdom
        Roy Gerth van Wijk, The Netherlands

Induced tolerance and clinical efficacy: What is the link?
Lars Jacobsen, Denmark

Implementing environmental exposure chambers in AIT
Oliver Pfaar, Germany

The EU regulation of allergen immunotherapy products
Sergio Bonini, Italy

Symposium (SYM 9) 13:30 – 15:00
Allergy and asthma in older people  Hall B2

Chairs: Hae-Sim Park, Republic of Korea
        Johann Christian Virchow, Germany

Allergy diagnosis in older people
Riccardo Asero, Italy

Asthma in older people
Vibeke Backer, Denmark

Allergic rhinitis in older people: Does it exist?
Paul van Cauwenberge, Belgium

Symposium (SYM 10) 13:30 – 15:00
Immunological pathways in severe asthma  Strauss 1+2

Chairs: Jürgen Schwarze, United Kingdom
        Leif Bjermer, Sweden

The role of the mast cells/basophils in severe asthma
Andrew Walls, United Kingdom

Innate immunity and immunological pathways in severe asthma
Barbro Dahlén, Sweden

Targeted therapies with biologicals in asthma
Gail Gauvreau, Canada

Symposium (SYM 11) 13:30 – 15:00
Pollens: More than a grain of allergen  Lehar 1

Chairs: Heimo Breiteneder, Austria
        Jeroen Buters, Germany

What makes an allergen an allergen?
Lorenzo Cecchi, Italy

More to pollens than allergens?
Claudia Traidl-Hoffmann, Germany

Environmental pollution and allergenic pollen
Isabella Annesi-Maesano, France

Workshop (WS 2) 13:30 – 15:00
Practical Component Resolved Diagnosis  Stolz 1

A speaker presents a case for CRD. This is briefly discussed in small groups and each group submits a diagnosis. The individual participants vote for the best diagnosis. Then the speaker and the chairs discuss the possible diagnosis and the participants vote again. Changes in votes are highlighted.

Chairs: Rudolf Valenta, Austria
        Paolo Matricardi, Germany

Speakers: Marianne van Hage, Sweden
          Hugh Sampson, United States
          Bernadette Eberlein, Germany
Hot Topic (HT 1) 13:30 – 15:00

Tolerance induction in food allergy

**Chairs:** Kirsten Beyer, Germany
Katie Allen, Australia

**LEAP-on: The London experience**
George du Toit, United Kingdom

**Primary allergy prevention on the opposite side of the globe**
Debra Palmer, Australia

**Experience from the HEAP trial: The view from Berlin**
Johanna Bellach, Germany

Oral Abstract Session (OAS 3) 13:30 – 15:00

Immunodeficiency

**Chairs:** Carlo Agostini, Italy
François Spertini, Switzerland

**Session roadmap**
Carlo Agostini, Italy

13 SCIG replacement therapy may affect Treg and Th17 in CVID patients

Marconato M.1, Cinetto F.1, Agostini C.1
1Padua General University Hospital, Clinical Immunology, Padua, Italy

14 The report of five new gene mutations in Wiskott-Aldrich syndrome

Khademi R.1, Badalzadeh M.1, Fazlolahi M.R.1, Hamidieh A.A.2
1Asthma & Allergy Research Institute, Immunology, Children Medical Center, Tehran, Iran, Islamic Republic of
2Hematology-Oncology and SCT Reasearch Center, Shariati Hospital, Tehran University of Medical Science, Tehran, Iran, Islamic Republic of

15 Allergic sensitization in children with humoral immune deficiencies

Papadopoulou A.1,2, Mermiri D.2, Tavouliari E.2, Taqlalaki E.2, Tiliakou S.2, Giannoula F.2, Kostarioudou S.2
1Allergy Pediatric Unit, KAT General Hospital, Athens, Greece
2Allergology and Respiratory Unit, Penteli’s Children Hospital, Palea Penteli, Greece

16 Stability of B-lymphocyte subpopulations in time in patients with common variable immunodeficiency (CVID)

Litzman J.1, Nechvalova J.1, Ignacova T.2, Jaskova K.2, Litzman M.3, Kadlecova P.4, Vlkova M.2
1St Anne Univ. Hospital, Dept. Clin. Immunol. Allergol, Brno, Czech Republic
2Faculty of Medicine, Masaryk University, Dept. Clin. Immunol. Allergol., Brno, Czech Republic
3Faculty of Business and Economics, Mendel University in Brno, Department of Economics, Brno, Czech Republic
4St. Anne University Hospital, Clinical Research Center, Brno, Czech Republic

17 Immunoglobulin deficiency in patients with chronic rhinosinusitis: systematic review of the literature and meta-analysis

Schwitzguébel A.J.-P.1, Jandus P.1, Lacroix J.-S.2, Seebach J.D.1, Harr T.1
1University Hospitals and Medical Faculty, Geneva, Department of Medical Specialties, Division of Immunology and Allergy, Geneva, Switzerland
2University of Geneva Medical School, Department of Neurosciences, Geneva, Switzerland

18 GI manifestations of CVID – Scope for change?

Judge C.1, Lee-Brennan C.1, Sloan A.1, McKeever A.1, McCrea P.1, Kevans D.1, Conlon N.1
1St. James’s Hospital, Immunology, Dublin, Ireland
Oral Abstract Session (OAS 4) 13:30 – 15:00

Novel aspects in chronic rhinosinusitis with or without nasal polyps

Chair: Verena Niederberger, Austria

**Session roadmap**

**19** Dupilumab improves health-related quality of life and absenteeism in nasal polyposis patients: results from a phase 2a trial  
1Ghent University Hospital, Ghent, Belgium, 2University Hospitals Leuven, Department of Otorhinolaryngology, Head and Neck Surgery, Leuven, Belgium, 3Hospital Clinic-IDIBAPS, Clinical and Experimental Respiratory Immunology, Barcelona, Spain, 4Massachusetts General Hospital, Division of Rheumatology, Allergy & Immunology, Boston, United States, 5University of Chicago, Chicago, United States, 6Regeneron Pharmaceuticals, Inc., Tarrytown, United States, 7Sanofi R&D, Bridgewater, United States

**20** Human mast cell-derived periostin induces TSLP production in eosinophilic nasal polyps  
1University of South Florida, Division of Allergy and Immunology, Tampa, United States, 2Seoul National University College of Medicine, Otolaryngology-Head and Neck Surgery, Seoul, Republic of Korea, 3University of Alberta, Medical Microbiology and Immunology, Edmonton, Canada, 4National Institute for Nanotechnology, National Research Council Canada, Edmonton, Canada, 5Hallym University College of Medicine, Otolaryngology-Head and Neck Surgery, Chuncheon, Republic of Korea

**21** Local periostin in chronic rhinosinusitis with nasal polyps: comparison of different medical treatment options  
De Schryver E.1, Calus L.1, Derycke L.1, Van Zele T.1, Bachert C.1,2, Gevaert P.1  
1Upper Airways Research Laboratory, Ghent, Belgium, 2Karolinska Institute, Stockholm, Sweden

**22** Micronized cellulose powder as a means to enhance intranasal symptoms-driven treatment: patients’ attitudes in a real life setting  
Valerieva A.1, Church M.K.2, Staevska M.1, Kralimarkova T.1, Petkova E.1, Nedeva D.1, Valerieva E.1, Lazarova T.1, Dimitrov V.1, Popov T.A.1  
1Medical University of Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria, 2Allergie-Centrum-Charité, Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany

**23** Diversity of T helper cytokine profiles in chronic rhinosinusitis: a multicenter study in Europe, Asia and Oceania  
Wang X.1, Zhang N.2, Bo M.1, Holtappels G.2, Zheng M.1, Zhang L.1, Claus Bachert C.2  
1Beijing TongRen Hospital, Capital Medical University, Department of Otolaryngology, Head and Neck Surgery, Beijing, China, 2Ghent University Hospital, Upper Airways Research Laboratory, Department of Oto-Rhino-Laryngology, Ghent, Belgium, 3University of Chinese People’s Armed Police Forces, Department of Otorhinolaryngology, The Affiliated Hospital of Logistic, Tianjin, China

**24** The impact of topical betamethasone nasal irrigation on endogenous cortisol production in patients following functional endoscopic sinus surgery for chronic rhinosinusitis  
Dawson B.1, Gutteridge I.1, Cervin A.2,3, Robinson D.1  
1Gold Coast University Hospital, Department of Head, Neck and Spinal Surgery, Southport, Australia, 2University of Queensland, Faculty of Medicine and Biomedical Sciences, School of Medicine, Herston, Australia, 3Royal Brisbane & Women’s Hospital, Department of ENT, Head & Neck Surgery, Herston, Australia
Oral Abstract Session (OAS 5) 13:30 – 15:00

**Breaking news in occupational respiratory allergy**

**Chairs:** Gianni Pala, Italy
Frédéric de Blay, France

**Session roadmap**

Gianni Pala, Italy

25 **Cross-sectional survey of sensitisation to mouse allergens in contemporary laboratory animal workers: the SPIRAL study**

Feary J.1,2, Fitzgerald B.1, Banya W.1, Jones M.2, Cullinan P.1,2, Schofield S.2
1Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom, 2Imperial College, London, United Kingdom

26 **IgE-mediated occupational allergy to fungus among paddy field farmers of West Bengal, India: an aeromycological & immunological approach**

Saha M.1, Bhattacharya K.1
1Visva-Bharati (a Central University), Department of Botany, Santiniketan (Bolpur), India

27 **IgE sensitization to crab allergens among processing workers due to inhalational exposure: an allergenomic approach**

Kimath S.D.1,2, Thomassen M.3, Nugraha R.1, Aasmoe L.3, Bang B.E.1, Lopata A.L.1,2
1James Cook University, Molecular Allergology Research Laboratory, Townsville, Australia, 2James Cook University, Australian Institute of Tropical Health and Medicine, Townsville, Australia, 3University Hospital North Norway, Tromsoe, Norway

28 **The role of allergen components for the diagnosis of latex-induced occupational asthma**

Vandenplas O.1, Froidure A.2, Meurer U.3, Rihs H.-P.3, Soetart S.4, Pilette C.2, Rauf M.3
1Université Catholique de Louvain, CHU Mont-Godinne, Chest Medicine, Yvoir, Belgium, 2Université Catholique de Louvain, Cliniques Universitaires Saint-Luc, Chest Medicine, Brussels, Belgium, 3IPA Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of the Ruhr-Universität Bochum, Bochum, Germany, 4Prévention et Protection au Travail - Centre de Service Interentreprises (CESI), Brussels, Germany

29 **Similar nasal protein profiles in isocyanate and protein allergen related asthma**

Suojalehto H.1, Lindström I.1, Puustinen A.1
1Finnish Institute of Occupational Health, Helsinki, Finland

30 **Sequence-specific quantification of traces of food allergens by multi-reaction monitoring mass spectrometry**

Schulenborg T.1, Lauter K.2, Da Costa Filho P.A.3, Fuerer C.3, Schwaben L.1, Baumgartner S.2, Reuter A.1
1Paul Ehrlich Institut, Allergology, Langen, Germany, 2University of Natural Resources and Life Sciences Vienna, Center of Analytical Chemistry, Vienna, Austria, 3Nestlé Research Centre, Lausanne, Switzerland

Oral Abstract Session (OAS 6) 13:30 – 15:00

**Food allergens: Biochemical characterisation and allergenicity**

**Chairs:** Fatima Ferreira-Briza, Austria
Laurian Zuidmeer-Jongejan, The Netherlands

**Session roadmap**

Fatima Ferreira-Briza, Austria

31 **Antibody-independent detection of bovine β-lactoglobulin derived peptides in human milk**

Nocerino R.1, Picariello G.2, Ferranti P.2,3, Paparo L.1, Passariello A.1, Dallas D.C.4, Robinson R.C.4, Barile D.4, Berni Canani R.1,5,6
1University of Naples Federico II, Department of Translational Medical Science, Naples, Italy, 2Institute of Food Sciences, National Research Council (CNR), Avellino, Italy, 3University of Naples “Federico II”, Department of Agricultural, Naples, Italy, 4University of California, Dpt. of Food Science and Technology, Davis, United States, 5University of Naples ‘Federico II’, European Laboratory for the Investigation of Food Induced Diseases (ELFID), Naples, Italy, 6University of Naples ‘Federico II’, CEINGE – Advanced Biotechnologies, Naples, Italy

32 **Sequence-specific quantification of traces of food allergens by multi-reaction monitoring mass spectrometry**

Schulenborg T.1, Lauter K.2, Da Costa Filho P.A.3, Fuerer C.3, Schwaben L.1, Baumgartner S.2, Reuter A.1
1Paul Ehrlich Institut, Allergology, Langen, Germany, 2University of Natural Resources and Life Sciences Vienna, Center of Analytical Chemistry, Vienna, Austria, 3Nestlé Research Centre, Lausanne, Switzerland

33 **Cross-linking of Ara h 2 catalyzed by MTGase: effect on structure, digestibility and potential allergenicity**

Wu Z.1,2, Lian J.1, Zhao R.1, Tong P.1, Li X.1, Yang A.2, Chen H.1,2
1Nanchang University, State Key Laboratory of Food Science and Technology, Nanchang, China, 2Nanchang University, Sino-German Joint Research Institute, Nanchang, China
Combined single cell TCR sequence and transcriptome profiling reveals heterogeneity of peanut-specific CD4+ T cell responses
Wambre E.R. 1
1Benaroya Research Institute at Virginia Mason, Seattle, United States

High prevalence of peanut sensitization in fruit allergy with negative IgE reactivity to Bet v 1 homologues and profilin
Inomata N. 1, Miyakawa M. 1, Aihara M. 1
1Yokohama City University School of Medicine, Department of Dermatology, Yokohama, Japan

Fish allergy: understanding allergen diversity
Stephen J. 1, Campbell D. 2, Lopata A. 1
1James Cook University, AIOTHM, Molecular and Cell Biology, Townsville, Australia, 2Childrens Hospital Westmead, Paediatric and Child Health, Sydney, Australia

Predictors and risk factors in pediatric atopic disease
Schubert 4-6
Chairs: Susanne Lau, Germany
Lauri-Ann van der Poel, United Kingdom

Rhinovirus aetiology at the first wheezing episode predicts atopic asthma but not non-atopic asthma
Lukkarinen M. 1, Vuorinen T. 2, Lehtinen P. 1, Jartti T. 3
1Turku University Hospital, Department of Paediatrics and Adolescent Medicine, Turku, Finland, 2University of Turku, Department of Virology, Turku, Finland, 3Turku University Hospital, Department of Pediatrics and Adolescent Medicine, Turku, Finland

12-month clinical and virus surveillance after the first wheezing episode: special reference to rhinovirus-A and -C species
Turunen R. 1, 2, Vuorinen T. 2, 3, Bochkov Y. 4, Gern J. 4, Jartti T. 1
1Turku University Hospital, Department of Pediatrics, Turku, Finland, 2University of Turku, Department of Virology, Turku, Finland, 3Turku University Hospital, Division of Microbiology and Genetics, Turku, Finland, 4University of Wisconsin School of Medicine and Public Health, Departments of Pediatrics and Medicine, Madison, United States

Thymic stromal lymphopoietin and periostin in hospitalized infants with viral bronchiolitis
Sastre B. 1, 2, Rodrigo-Muñoz J.M. 1, Romero Á. 1, 2, Cañas J.A. 1, 2, García-García M.L. 3, 4, Calvo C. 3, 4, Moreira A. 3, 4, Pozo F. 3, Casas I. 3, del Pozo V. 1, 2
1ISF-Fundación Jiménez Díaz, Immunology Department, Madrid, Spain, 2Ciber de Enfermedades Respiratorias (CIBERES), Madrid, Spain, 3Universitat de Barcelona, Hospital Severo Ochoa, Pediatrics Department, Leganés, Spain, 4Alfonso X El Sabio University, Madrid, Spain, 5National Microbiology Center (ISCIII), Respiratory Virus and Influenza Unit, Madrid, Spain

The eczema risk variant on chromosome 11q13.5 associated with asthma, atopy and allergic rhinitis in Polish children population
Debinska A. 1, Danielewicz H. 1, Drabik-Chamerska A. 1, Kalita D. 1, Boznański A. 1
1Wroclaw Medical University, 1st Department and Clinic of Paediatrics, Allergology and Cardiology, Wroclaw, Poland

Expression of inflammatory markers in sputum cells and cytokine production by different asthma phenotypes in children
Nakonechna A. 1, Antipkin 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 Pediatrics, Obstetrics and Gynaecology, Kiev, Ukraine

Risk factors, lung function and bronchial responsiveness in dust mite induced current allergic rhinitis
Chung E. 1, Park J. 1, Lee S.-Y. 2, Choi Y.J. 2, Hong S.-J. 3, Park K.S. 1
1Presbyterian Medical Center, Jeonju, Republic of Korea, 2Hallym Sacred Heart Hospital, Hallym University College of Medicine, Anyang, Republic of Korea, 3Asan Medical Center, University of Ulsan, College of Medicine, Seoul, Republic of Korea
A phase 2a proof of concept clinical trial to evaluate ZPL-3893787 (ZPL-389), a potent, oral histamine H4 receptor antagonist for the treatment of moderate to severe atopic dermatitis (AD) in adults


1Hannover Medical School, Dermatology and Allergy, Hannover, Germany, 2MAC Clinical Research Ltd., Leeds, United Kingdom, 3MAC Clinical Research Ltd., Manchester, United Kingdom, 4Universitat Munster, Klinik fur Hautkrankheiten - Allgemeine Dermatologie und Venerologie, Zentrum Fur Innovative Dermatologie, Munster, Germany, 5MAC Clinical Research Ltd., Blackpool, United Kingdom, 6MAC Clinical Research Ltd., Bridgtown, United Kingdom, 7Prywatna Praktyka Lekarska Gabinet Pediatryino Alergologiczy, Bialystok, Poland, 8Morren M.-A.17, Layton G.18, Yeadon M.19, Whitlock L.19, Purkins L.19, Liu W.19, Osterloh I.20, Jimenez P.20

1University of Southern Denmark, Institute of Regional Health Research, Odense, Denmark, 2Odense University Hospital, Dep. of Obstetrics and Gynecology, Odense, Denmark, 3Statens Serum institutest, Research Center for Vitamins and Vaccines (CVIVA), Copenhagen S, Denmark, 4University of Southern Denmark/Odense University Hospital, OPEN, Institute of Clinical Research, Odense, Denmark, 5Rigshospitalet, Copenhagen University Hospital, The Child and Adolescent Clinic 4072, Juliane Marie Centret, Copenhagen Ø, Denmark, 6University of Southern Denmark, Institute of Regional Health Research, Odense, C, Denmark

Oral tolerance down-regulates atopic dermatitis-like inflammation in mice by inhibiting group 2 innate lymphoid cell infiltration

Baek J.1, Roh J.-Y.2, Jung Y.-J.2

1Gachon University, Gil Medical Center, Incheon, Korea, Republic of, 2Gachon University, Incheon, Korea, Republic of

Hydroperoxides of limonene and linalool are the most frequent and relevant cosmetic sensitisers in children with eczema, however, they are not included in the European Baseline Series

Spielwaj R.1, Samochoczi Z.2, Grubsa-Suchanek E.3, Czarnobilski E.4, Pasniki M.5, Czeznecka-Operacz M.6, Bukiel M.7, Cisowska A.8, Jedrzejewska-Jurga K.9, Krakowski A.9, Niklasson B.11, KRAK Study Group

1Jagiellonian University Medical College, Department of Experimental Dermatology and Cosmetology, Krakow, Poland, 2Warsaw Medical University, Dermatology Clinic, Warsaw, Poland, 3Medical University of Gdansk, Dermatology Clinic, Gdansk, Poland, 4Jagiellonian University Medical College, Department of Clinical and Environmental Allergology, Krakow, Poland, 5NZOZ Allergicus-Dent, Zary, Poland, 6Medical University of Poznan, Dermatology Clinic, Poznan, Poland, 7NZOZ Alergologia-Pulmonologia, Starogard Szczecinski, Poland, 8Dermatology Practice, Kamienna Gora, Poland, 9Lower-Silesian Centre for Occupational Medicine, Wroclaw, Poland, 10NZOZ Krak-Med, Kolbuszowa, Poland, 11Chemotechnique Diagnostics, Vellinge, Sweden

A multicentre, open-label, non-randomised study to assess the tolerability, safety, and efficacy of a single subcutaneous administration of icatibant in children and adolescents with hereditary angioedema

Farkas H.1, Reshef A.2, Mccarthy L.3, Hao J.3, Nothaft W.3, Aggarwal V.3, Aggarwal V.3, Bernstein J.2, Li H.H.5

1Hungarian Angioedema Center, 2nd Department of Internal Medicine, Semmelweis University, Budapest, Hungary, 2Chaim Sheba Medical Center, Tel-Hashomer, Israel, 3Shire, Lexington, United States, 4University of Cincinnati Medical Center and Bernstein Clinical Research Center, Cincinnati, United States, 5Institute for Asthma and Allergy, Chery Chase, United States
Diagnosis of food allergy

**Poster Discussion Zone 1**

**Poster Discussion Session (PDS 4) 13:30 – 15:00**

**Diagnosis of food allergy**

**Chairs:** Barbara Ballmer-Weber, Switzerland
Belén de la Hoz Caballer, Spain

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233 **Characteristics of Pru p 7-sensitized patients allergic to fruits: a clinical investigation of Japanese adults**

Fukutomi Y.1, Minami T.1, Lidhold J.2, Saito A.1, Sekiya K.1, Tsuburai T.1, Taniguchi M.1
1Sagamihara National Hospital, Clinical Research Center for Allergy and Rheumatology, Sagamihara, Japan, 2Thermo Fisher Scientific, Uppsala, Sweden

234 **Better management of peanut allergy by low dose oral food challenge**

Manabe T.1, Yanagida N.1, Ogura K.1, Asaumi T.1, Takahashi K.1, Sato S.2, Ebisawa M.2
1Sagamihara National Hospital, Pediatrics, Kanagawa, Japan, 2Sagamihara National Hospital, Allergy, Clinical Research Center for Allergy and Rheumatology, Sagamihara, Japan

235 **Prawn sensitised infants elicit differential IgE binding compared to adults – Finding early indicators for paediatric prawn allergy**

Kamath S.D.1,2,3, Johnston E.B.1,3, Koplin J.J.4,5, Schaeffer P.M.1,2, Rolland J.M.1, O’Hehir R.E.1, Allen K.J.4,5, Lopata A.L.1,2,3
1James Cook University, Molecular Allergology Research Group, Townsville, Australia, 2James Cook University, Australian Institute of Tropical Health and Medicine, Townsville, Australia, 3James Cook University, Centre for Biodiscovery and Molecular Development of Therapeutics, Townsville, Australia, 4Murdoch Childrens Research Institute, Centre for Food and Allergy Research, Melbourne, Australia, 5University of Melbourne, Department of Immunology, Utrecht, The Netherlands

236 **Specific IgG4/IgE ratios to Ara h 1, 2, 3 and whole peanut extract serve as markers for clinical reactivity to peanut**

Uotila R.T.I.1,2, Kukkonen A.K.1,2, Pelkonen A.S.1,2, Mäkelä M.J.1,2
1University of Helsinki, Helsinki, Finland, 2Helsinki University Hospital, Skin and Allergy Research Centre, Helsinki, Finland

237 **How egg specific IgE can predict oral food challenge outcome?**

Lazzareto F.1, Toniolo A.1, Bonaguro R.1, Celegato N.1, Polloni L.1, Muraro A.1
1University of Helsinki, Helsinki, Finland, 2Helsinki University Hospital, Skin and Allergy Hospital, Helsinki, Finland

238 **The value of monitoring respiratory and vital signs during food challenges**

van Erp F.1, Knulst A.C.2, van der Ent C.K.1, Meijer Y.1
1University Medical Center Utrecht, Pediatric Pulmonology and Allergology, Utrecht, The Netherlands, 2University Medical Center Utrecht, Dermatology and Allergology, Utrecht, The Netherlands

239 **Independent seed and peel lipid transfer proteins (LTPs) are involved in tomato allergy without cross-reactivity associated**

Martín Pedraza L.1, Bueno Díaz C.1, González M.2, López Rodríguez J.C.1, San Segundo Acosta P.1, Batanero E.1, Blanca M.2, Barderas Mancho R.1, Mayorga C.2, Cuesta J.1, Villaiba M.1
1Universidad Complutense de Madrid, Bioquímica y Biología Molecular, Madrid, Spain, 2Hospital General Carlos Haya, Málaga, Spain, 3Hospital Fundación Jiménez Díaz, Madrid, Spain

240 **Co- and cross sensitivity and clinical reactivity amongst Danish tree nut allergic children adolescents and young adults (TACAYA)**

Juel-Berg N.1,2, Skamstrup Hansen K.1,2, Poulsen L.K.1
1Copenhagen University Hospital Hospital Gentofte, Hellerup, Denmark, 2Herlev Hospital, Pediatric Department, Herlev, Denmark

241 **Jug r 1 is the best discriminating allergen in the diagnosis of walnut allergy**

Phillips-Angles E.1, Alvez A.1, Pedrosa M.1, Boyano-Martinez T.1, García-Ara C.1, Caballerio T.1, Quince S.1
1Hospital La Paz Institute for Health Research (IdiPAZ), Dept. of Allergy, Madrid, Spain

242 **Specific IgE to Jug r 1 is a marker for walnut allergy**

Blankstien M.A.1, Blom W.M.2, Otten H.G.2, Baumert J.L.4, Taylor S.L.5, Houben G.F.2, Knulst A.C.1, Klemans R.J.B.1
1University Medical Center Utrecht, Department of Dermatology/Allergology, Utrecht, The Netherlands, 2The The Netherlands Organization for Applied Scientific Research (TNO), Zeist, The Netherlands, 3University Medical Center Utrecht, Department of Immunology, Utrecht, The Netherlands, 4Food Allergy Research & Resource Program (FARRP), Lincoln, United States

243 **Fish hypersensitivity: clinical manifestations and fish-specific IgE-sensitization**

Drewnik A.1, Lewandowska-Polak A.1, Durka M.1, Kowalski M.L.1
1Medical University of Lodz, Department of Immunology, Rheumatology & Allergy, Healthy Ageing Research Center, Lodz, Poland

244 **Cross-reactivity and tolerance in fish allergic patients: a randomized double-blind placebo-controlled food challenge trial**

Serensen M.1,2,3, Klingenberg C.A.1,2, Kuehn A.3, Olliert M.3, Costello C.-A.4, Wickmann M.3,4, Mills C.4
1University Hospital of North Norway, Dept. of Paediatric and Adolescent Medicine, Tromsø, Norway, 2Ulf The Arctic University of Norway, Paediatric Research Group, Dept. of Clinical Medicine, Faculty of Health Sciences, Tromsø, Norway, 3Luxembourg Institute of Health, Dept. of Infection and Immunity, Luxembourg, Luxembourg, 4University of Manchester, Respiratory and Allergy Centre, Institute of Inflammation & Repair, Manchester Institute of Biotechnology, Manchester, United Kingdom, 5Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden, 6Sachs’ Children’s Hospital, Södersjukhuset, Stockholm, Sweden
245 Cetuximab specific IgE in the diagnosis of red meat allergy
Sim D.W.1,2, Lee J.S.3, Jeong K.Y.1, Park K.H.1,2, Park H.J.1,2, Lee J.-H.1,2, Park J.-W.1,2
1Yonsei University College of Medicine, Severance Hospital, Internal Medicine, Seoul, Republic of Korea, 2Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

246 Differences in the oral food challenge results of 3 tree nuts (almond, cashew nut, and walnut)
Nishino M.1, Inoue T.1, Yamamoto M.1, Yanaqida N.1, Sato S.2, Ebisawa M.2
1Sagamihara National Hospital, Pediatrics, Sagamihara, Japan, 2Sagamihara National Hospital, Department of Allergy, Clinical Research Center for Allergy and Rheumatology, Sagamihara, Japan

247 Concerns and expectations of pediatric patients and parents with regards to oral food challenges
Uehara H.1,2, Fujiy Y.1, Sekimoto K.2, Sugih K.2, Araki T.2, Yabuuchi T.2, Kikkawa T.1, Nosaka N.4, Yashiro M.4, Tsukahara H.4, Ikeda M.2,3
1National Hospital Organization, Fukuyama Medical Center, Division of Child Health and Development, Fukuyama, Japan, 2National Hospital Organization, Fukuyama Medical Center, Department of Pediatrics, Fukuyama, Japan, 3Okayama University Grasuate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatric Acute Medicine, Okayama, Japan, 4Okayama University Grasuate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatrics, Okayama, Japan

Poster Discussion Session (PDS 5) 13:30 – 15:00

Ocular allergy

248 A novel grading scale score to assess ocular surface epithelial damage in patients with vernal keratoconjunctivitis
La Gloria Valerio A.1, Lazzarini D.1, Feuerman O.M.1, Scalora T.1, Deganello D.1, Leonardi A.1
1University of Padua, Department of Neuroscience, Ophthalmology Unit, Padua, Italy

249 IL-9 upregulation in experimental allergic conjunctivitis: IL-9R blockade downregulates mast cell responses
Mohd Zaki A.1, Galatowicz G.1, Eskandarpour M.1, Dale-Ahadome S.B.1, Saban D.R.2, Calder VL.1
1UCL Institute of Ophthalmology, London, United Kingdom, 2Duke University School of Medicine, Ophthalmology & Immunology, Durham, United States

250 Exhaled nitric oxide levels in children with vernal keratoconjunctivitis
Bozkurt B.1,2, Artac H.2,3, Ozdemir H.1, Dikener H.3
1Selcuk University Medical Faculty, Ophthalmology, Konya, Turkey, 2Health Science Institute, Immunology, Konya, Turkey, 3Selcuk University Medical Faculty, Pediatric Allergy and Immunology, Konya, Turkey

251 Identification of N-glycan profiles in tears of vernal and atopic keratoconjunctivitis patients
Leonardi A.1, Messina A.1, Ruoaro A.1, La Gloria Valerio A.1, Garozzo D.2
1University of Padua, Neuroscience, Ophthalmology, Padua, Italy, 2CNR, Institute for Polymers, Composites and Biomaterials (IPCB), Catania, Italy

252 Perennial allergic conjunctivitis and vernal keratoconjunctivitis: quality of life of children treated by sublingual immunotherapy to mites
Chorzepa G.1, Paulon Taudou C.2, Michaud E.1, Gourdon-Dubois N.2, Bons O.2, Chiambaretta F.2, Faquert J.-L.1,2,3
1CHU Estaing, Pediatric Allergy Unit, Clermont-Ferrand, France, 2CHU Montpied, Ophthalmology, Clermont-Ferrand, France, 3CHU Estaing, Centre d’Investigation Clinique, Clermont-Ferrand, France

253 Long term experience with omalizumab in severe refractory vernal keratoconjunctivitis in children
Doan S.1, Amat F.2, Gabison E.1, Cochereau I.1, Just J.2
1Hopital Bichat and Fondation A de Rothschild, Ophthalmology, Paris, France, 2Hopital d’Enfants Armand-Trousseau, Pneumology, Paris, France

254 Long-term experience of the concurrent co-operation allergist/opthalmologist in an ocular allergy tertiary referral center
Caruso C.1, Allegrig P.1, Murialdo U.2
1Rapallo (Genova) Hospital, Ophthalmology and Ocular Allergies Dep., Rapallo - Genova, Italy, 2Ophthalmological Dep of Rapallo Hospital, Rapallo, Italy

255 Scoring conjunctival provocation test: chemosis among other positivity criteria
Lougnon Z.1,2, Paulon Taudou C.2, Peireira B.2, Michaud E.1, Gourdon-Dubois N.4, Montaudié I.1, Labbé G.1, Merlin E.4, Chiambaretta F.4, Faquert J.-L.1,2,3
1CHU Estaing, Pediatric Allergy Unit, Clermont-Ferrand, France, 2CHU Montpied, Ophthalmology, Clermont-Ferrand, France, 3CHU Montpied, Statistics, Clermont-Ferrand, France, 4CHU Estaing, Centre d’Investigation Clinique, Clermont-Ferrand, France, 5CHU, Pediatrics, Nice, France

256 Usefulness of ocular pruritus score system for assessing conjunctival provocation test in daily practice
Rondon C.1, Campo P.1, Barrionuevo E.1, Prieto A.1, Ruiz A.1, Bogas G.1, Herrera M.1, Guerrero M.A.1, Galindo P.A.2, Perez-Alzate D.3, Blanca M.1
1Allergy Unit, Regional University Hospital of Málaga, IBIMA, UMA, Málaga, Spain, 2Allergy Service, General University Hospital of Ciudad Real, Ciudad Real, Spain, 3Allergy Service, University Hospital Infanta Leonor, Madrid, Spain

257 Allergic and nonallergic rhinitis and skin sensitization to metals: is there a link?
Gelardi M.1, Guarino R.2, Taliente S.1, Quaranta N.1, Carpentieri A.1, Passalaqua G.3, Guarino R.1
1Section of Otolaryngology, Department of Basic Medical Science, Neuroscience and Sensory Organs, University of
Sunday, 12 June 2016

**Evaluation of allergic sensitization by specific IgE or prick skin tests in patients with allergic conjunctivitis**

Irani C.¹, Arej N.¹, Abdelmassih Y.¹, Slim E.¹, Zaarour K.¹, Antoun J.¹, Bejjani R.¹, Alexandre S.¹, Waked N.¹

¹Saint Joseph University Hotel Dieu de France Hospital, Beirut, Lebanon

**Two cases of severe vernal kerato-conjunctivitis successfully treated with omalizumab and monitored by conjunctival cytology**

Picardi G.¹, Liuzzo M.T.¹, Sichili S.¹, Nicolosi G.¹, Pistorio M.P.¹, Crimi N.¹, Heffler E.¹

¹University of Catania, Respiratory Medicine & Allergy - Clinical and Experimental Medicine, Catania, Italy

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**Poster Discussion Session (PDS 6)**

**Diagnosis and management of drug allergy**

**Poster Discussion Zone 3**

**13:30 – 15:00**

**Chairs:** Lene Heise Garvey, Denmark

Miguel Blanca, Spain

**260 Evaluating beta-lactam allergy with skin testing and drug provocation in the elderly**

Chan Y.L.G.¹, Chng H.H.¹, Thong B.¹, Chia F.¹, Tan J.¹, Tan T.C.¹, Tan S.C.¹, Tang C.Y.¹, Hou J.F.¹, Ang A.¹, Leong K.P.¹

¹Tan Tock Seng Hospital, Rheumatology, Allergy and Immunology, Singapore, Singapore

**261 Patients with a history of betalactam hypersensitivity: what’s the value of skin tests?**

Chaabane A.¹, Ben Romdhane H.¹, Ben Fredj N.¹, Chadli Z.¹, Boughattas N.¹, Aouam K.¹

¹Medicine University, Monastir, Tunisia

**262 Skin tests and drug provocation test utility for the study of betalactams hypersensitivity among chilean patients at an allergy centre of Clinical Hospital University of Chile**

Tordecilla R.¹, Pizarro J.², Guzmán M.A.¹

¹Clinical Hospital University of Chile, Santiago, Chile

²University of Chile, Faculty of Medicine, Santiago, Chile

**263 Intravenous route in beta-lactam challenges**

Gómez-Duque M.¹, González Medina M.¹, Luengo Sánchez O.¹, Cardona Dahl V.¹

¹Vall d’Hebron University Hospital, Allergology, Barcelona, Spain

**264 Positive skin test or positive specific IgE to penicillin does not predict penicillin allergy**

Tannert L.K.¹, Mortz C.G.¹, Skov P.S.¹, Bindslev-Jensen C.¹

¹Odense Research Center for Anaphylaxis, Department of Dermatology and Allergy Center, Odense C, Denmark

²Reflab ApS, Copenhagen, Denmark

**265 Desensitization to chemotherapy: our experience**

Baquero Mejía D.E.¹, Goñi Yeste M.D.M.¹, Iglesias Cadarso A.¹, Reaño Martos M.D.M.¹, Rodríguez Cabreros M.I.¹, Rodríguez Mosquera M.¹

¹Hospital Universitario Puerta de Hierro, Allergology Department, Majadahonda, Spain

**266 Desensitization to anti-neoplastic drugs: experience of 225 procedures in 51 patients**

Perez-Rodriguez E.¹, Martínez-Tadeo J.A.¹, Perez-Rodriguez N.², Gonzalez-Colino C.¹, Hernandez-Santana G.¹, Rodriguez-Plata E.¹, Callero A.¹, Garcia-Robaina J.C.¹

¹Hospital Universitario La Candelaria, Department of Allergy, Santa Cruz de Tenerife, Spain

²Hospital Universitario La Candelaria, Department of Clinical Oncology, Santa Cruz de Tenerife, Spain

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**267 Risk stratification for penicillin desensitization in allergic pregnant women with syphilis**

Garcia J.F.B.¹, Aun M.V.¹, Garro L.S.¹, Kalil J.¹, Motta A.A.¹, Giavina-Bianchi P.¹

¹University of São Paulo, Clinical Immunology and Allergy, São Paulo, Brazil

**268 Choosing an alternative drug in analgesic allergy**

Demirel F.¹, Selcuk A.¹, Yesillik S.¹, Baysan A.², Kartal O.¹, Gulec M.¹, Sener O.¹, Musabak U.¹

¹Gulhane Military Medical School, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey

²Gulhane Military Medical School, Haydarpasa Training Hospital, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Istanbul, Turkey

**269 The value of the clinical history for the diagnosis of immediate NSAIDs hypersensitivity and safe alternative drugs in children**

Topal E.¹, Celiksoy M.H.², Catal F.¹, Sayan Y.G.¹, Sancak R.²

¹Inonu University Faculty of Medicine, Pediatric Allergy and Immunology, Malatya, Turkey

²Ondokuz Mayis University Faculty of Medicine, Pediatric Allergy and Immunology, Samsun, Turkey

**270 Who admitted for testing with local anesthetics and who should be tested?**

Yilmaz I.¹, Aydin O.¹, Ozdemir S.K.¹, Celik G.¹

¹Ankara University School of Medicine, Ankara, Turkey
Poster Discussion Session (PDS 7) 13:30 – 15:00

Innate Immunology

Chairs: Liam O'Mahony, Switzerland
Grzegorz Woszczyk, United Kingdom

271 Synergistic collaboration of Fc-gamma receptor III and TLR-4 define the pro-inflammatory responses of nasal epithelium during re-infection with P. aeruginosa
Golebski K.1, van Egmond D.1, de Groot E.1, Fokkens W.1, den Dunnen J.1, van Drunen C.1
1 Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands

272 Short chain fatty (SCFA) acids induce apoptosis in peripheral blood eosinophils and promote endothelial barrier function
Theiler A.1, Richtig G.1, Frei R.1, Platzer W.1, Schuligoi R.1, Heinemann A.1
1 Medical University of Graz, Institute of Experimental and Clinical Pharmacology, Graz, Austria

273 Human olfactory mucosa-derived mesenchymal stem cells induce a tolerogenic profile in monocyte-derived dendritic cells
Hancharou A.Y.1, Antonevich N.H.1, Chekan V.L.2, DuBuske L.M.3,4
1 Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2 Belarusian Medical Academy of Post-Graduate Education, Minsk, Belarus, 3 Immunology Research Institute of New England, Gardner, United States, 4 George Washington University School of Medicine, Washington, DC, United States

274 Higher expression of complement receptor 1 on monocytes and granulocytes during bacterial infection than during viral infection in children
Stelmaszczyk-Emmel A.1, Podsiadlowska A.1, Sagala M.2, Demkow U.1
1 Medical University of Warsaw, Dep. of Lab. Diagnostics and Clinical Immunology, Warsaw, Poland, 2 Medical University of Warsaw, Dep. of Pediatrics and Endocrinology, Warsaw, Poland

275 Maturation of innate immune responses of the respiratory epithelium
Taka S.1, Kokkinou D.2, Maggina P.1, Stamataki S.2,3, Papakonstantinou A.1, Georgountzou A.1, Stefanopoulou P.1, Andreakos E.1, Papaevangelou V.2, Prokopakis E.2, Papadopoulo N.G.2,3
1 National and Kapodistrian University of Athens, 2nd Pediatric Clinic, Athens, Greece, 2 National and Kapodistrian University of Athens, Athens, Greece, 3 University of Crete, Heraklion, Greece, 4 Biomedical Research Foundation Academy of Athens, Athens, Greece, 5 University of Crete, Department of Neurology And Sensory Organs, Heraklion, Greece, 6 University of Manchester, Center for Pediatrics and Child Health, Manchester, United Kingdom

276 Specific induction of TSLP by the viral RNA analogue poly(I:C) in primary epithelial cells derived from nasal polyps
Golebski K.1, van Egmond D.1, de Groot E.1, Fokkens W.1, van Drunen C.1
1 Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands

277 Lipocalin allergens regulate lipocalin 2 levels by binding cortisol released from macrophages: implications for failure in immune tolerance in allergic patients
Roth-Walter F.1, Bianchini R.1, Müller H.1, Pacios L.F.2, Hufnagl K.1, Gienk L.-M.1, Palme R.1, Hofstetter G.1, Mothes-Luksch N.4, Roth G.5,6, Jensen-Jarolim E.1,6
1 Messerli Research Institute of the University of Veterinary Medicine Vienna, Medical University of Vienna and University of Vienna, Comparative Medicine, Vienna, Austria, 2 Technical University Madrid, ETSI Montes, Department of Natural Systems and Resources, Madrid, Spain, 3 University of Veterinary Medicine Vienna, Unit of Physiology, Pathophysiology and Experimental Endocrinology, Vienna, Austria, 4 Allergy Care, Allergy Diagnosis and Study Center, Vienna, Austria, 5 Medical University of Vienna, Department of Anesthesiology, General Intensive Care and Pain Medicine, Vienna, Austria, 6 Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria

278 Functional assessment of virus-recognizing receptors in human Langerhans cells
Tajpara P.1, Kienzl P.1, Gschwandtner M.2, Schuster C.1, Mildner M.2, Elbe-Bürger A.1
1 Medical University of Vienna, Division of Immunology, Allergy and Infectious Diseases, Department of Dermatology, Vienna, Austria, 2 Medical University of Vienna, Research Division of Biology and Pathobiology of the Skin, Department of Dermatology, Vienna, Austria

279 CAPS and TRAPS in Russian patients with manifestation of systemic juvenile idiopathic arthritis
Namazova-Baranova L.1, Baranov A.1, Alexeeva E.1,2, Savostyanov K.1, Sleptsova T.1, Pushkov A.1, Bzarova T.1,2, Valieva S.1, Denisova R.1, Isayeva K.1, Chistyakova E.1,2, Lomakina O.1, Soloshenko M.1, Kaschenko E.1
1 Federal State Budgetary Institution ‘Scientific Center of Children’s Health’ of the Ministry of Health of the Russian Federation, Moscow, Russian Federation, 2 I. M. Sechenov First Moscow State Medical University, Moscow, Russian Federation

280 The relationship between chronic hepatitis C virus infection and TNFα-308 gene polymorphism
Günal O.1, Yalcin A.D.2, Betul C.3, Rustemoglu A.4, Demir O.3, Samsun Education and Training Hospital, Infection Unit, Samsun, Turkey, 2 Academy Sinica, Genomics Research Center, Antalya, Turkey, 3 Antalya Education and Research Hospital, ANTALYA, Turkey, 4 Gaziosmanpa University Tokat, Tokat, Turkey
281 The relationship between Crimean-Congo hemorrhagic fever virus and IL-28B gene polymorphism
Aytekin F.Y.1, Barut Ş.2, Rüstemoğlu A.2, Güinal Ö.2, Duygu F.4, Valcin A.D.5
1Gaziosmanpaşa Üniversitesi Tıp Fakültesi, Enfeksiyon Hastalıkları ve Klinik Mikrobiyoloji AD, Tokat, Turkey,
2Gaziosmanpaşa Üniversitesi Tıp Fakültesi, Tibbi Biyoloji AD, Tokat, Turkey,
3Samsun Eğitim Araştırma Hastanesi Enfeksiyon Hastalıkları ve Klinik Mikrobiyoloji Kliniği, Tokat, Turkey,
4Ankara Onkoloji Eğitim Araştırma Hastanesi, Enfeksiyon Hastalıkları ve Klinik Mikrobiyoloji Kliniği, Ankara, Turkey,
5Academia Sinica, Genomics Research Center, Taipei, Turkey

282 A possible role of galectin-9 in the lung inflammation and fibrosis of patients with interstitial pneumonia
Katoh S.1, Ikeda M.1, Shimizu H.2, Oka M.1
1Kawasaki Medical School, Respiratory Medicine, Kurashiki, Japan,
2Kawasaki Medical School, Kurashiki, Japan

283 Immunological mechanisms activated by a polyvalent bacterial preparation used for the treatment of recurrent urinary tract infections (RUTIs)
Benito-Villalvilla C.1, Cirauqui C.1, Sirvent S.1, Angelina A.1, Subiza J.L.2,3, Palomares O.1
1Complutense University of Madrid, School of Chemistry, Department of Biochemistry and Molecular Biology I, Madrid, Spain,
2Inmunotek S.L., Alcalá de Henares (Madrid), Spain,
3Hospital Clinico San Carlos, Department of Immunology, Madrid, Spain

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**Symposium (SYM 12)**

**Primary prevention of allergic disease**

**Hall A3**

**Chairs:**
- Susanne Halken, Denmark
- Zsolt Szépfalusi, Austria

**Primary prevention of aeroallergen sensitisation**
Graham Roberts, United Kingdom

**Does food diversity in infancy prevent allergy**
Bright Nwaru, Finland

**Emollients and the epithelial barrier**
Eric Simpson, United States

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**Symposium (SYM 13)**

**A systematic approach to anaphylaxis**

**Hall B1**

**Chairs:**
- Maria Beatrice Bilo, Italy
- Margitta Worm, Germany

**Managing anaphylaxis in primary care: A GP’s toolkit**
Elizabeth Angier, United Kingdom

**Threshold versus severity in allergic reactions**
Anthony Dubois, The Netherlands

**Living with anaphylaxis: A holistic approach**
Audrey Dunn Galvin, Ireland

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**Symposium (SYM 14)**

**Remission and relapse in asthma**

**Hall B2**

**Chairs:**
- Vibeke Backer, Denmark
- Zuzana Diamant, The Netherlands

**Factors related with remission and relapse: An epidemiologic perspective**
Bo Lundbäck, Sweden

**Lung functions and bronchial hyper-reactivity during remission**
Arzu Bakirtas, Turkey

**Airway and systemic inflammation during remission**
Maarten van den Berge, The Netherlands
Symposium (SYM 15) 15:30 – 17:00

**Symposium (SYM 15)**

**Allergies around the globe**

Learning objectives: To learn about the different situations of allergies, including allergy care around the world. The clinical disciplines taking care of allergies within different regions will be presented. In addition, the most relevant allergens will be discussed: this could be food allergens, aeroallergens or others that might be related to regional differences in specific clinical forms of allergies.

**Chair:** Lawrence DuBuske, United States

**Chair:** Patricia Latour, Dominican Republic

**Allergies in Asia Pacific: A growing health challenge**

Ruby Pawankar, Japan

**Current aspects of food allergies in Japan**

Motohiro Ebisawa, Japan

**Update on ARIA in Latin America**

Juan Carlos Sisul Alvariza, Paraguay

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Symposium (SYM 16) 15:30 – 17:00

**Symposium (SYM 16)**

**Immunotherapy for food allergy**

**Chair:** Hugh Sampson, United States

**Chair:** Kirsten Beyer, Germany

**State of the art on safety and efficacy**

Katharina Blümchen, Germany

**Combining anti-IgE with oral immunotherapy**

Kari Nadeau, United States

**Epicutaneous IT**

Gideon Lack, United Kingdom

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Symposium (SYM 17) 15:30 – 17:00

**Symposium (SYM 17)**

**Hot topics in insect venom allergy**

**Chair:** Gunter Sturm, Austria

**Chair:** Markus Ollert, Luxembourg

**How can we avoid insect stings?**

Volker Mauss, Germany

**Insect venom allergy beyond hymenoptera**

Wolfgang Hemmer, Austria

**Difficult cases in insect venom allergy: To treat or not to treat?**

Hanneke Oude Elberink, The Netherlands

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Symposium (SYM 18) 15:30 – 17:00

**Symposium (SYM 18)**

**Diagnostic tools in ocular allergy**

**Chair:** Serge Doan, France

**Chair:** Pia Allegri, Italy

**Clinical diagnosis of allergic conjunctivitis**

Jean Luc Fauquert, France

**Diagnostic questionnaires in ocular allergy**

Luís Delgado, Portugal

**Biomarkers and additional tests**

Andrea Leonardi, Italy
### Workshop (WS 3) 15:30 – 17:00

**Diagnostic approach to drug allergy**

**Chairs:** Miguel Blanca, Spain  
Dean Naisbitt, United Kingdom

- Late onset exanthema in children  
Marina Atanaskovic-Markovic, Serbia
- NICE clinical guideline for drug allergy  
Shuaib Nasser, United Kingdom
- How to use the ALDEN algorithm in TEN/SJS  
Jean-Claude Roujeau, France

### Junior Members (JMs) 15:30 – 17:00

**JMs Scientific Symposium: JMs at the cutting edge of research in allergy and immunology**  
**Chairs:** Peter Tomazic, Austria  
Philipp Starkl, Austria

- Current trends in allergic diseases in Sweden  
Anders Bjerg, Sweden
- Evolution of IgE and IgG responses against allergenic molecules throughout childhood  
Olympia Tsilochristou, United Kingdom
- Allergy in the new International Classification of Disease (ICD): Why, how and what?  
Luciana K. Tanno, Brazil
- Advances in stem cell therapy for patients with primary immunodeficiencies  
Vanessa Bundy, United States

### Hot Topic (HT 2) 15:30 – 17:00

**Molecular allergology**  
**Chairs:** Paolo Matricardi, Germany  
Mario Plebani, Italy

- The handbook on molecular allergology: When is molecular allergology useful?  
Jörg Kleine-Tebbe, Germany
- New allergens in (furry) animals  
Christiane Hilger, Luxembourg
- Aero-allergens contributing to gut inflammation  
Valérie Verhasselt, France
Oral Abstract Session (OAS 8)  
15:30 – 17:00

**Allergy mechanisms**

**Chairs:** Cristiana Stellato, Italy  
Ibon Eguíluz-Gracia, Spain

**Session roadmap**
Cristiana Stellato, Italy

43 **IL-37 ameliorates allergic inflammation in a house dust mite allergic rhinitis murine model**  
*Kim D.H.*, Kim S.W.*  
1The Catholic University of Korea, Seoul, Republic of Korea,  
2The Catholic University of Korea, Otolaryngology, Seoul, Republic of Korea

44 **Regulating allergic reactions via FcγRIIB**  
*Zellweger F.*, Buschor P.*, Brigger D.*, Vogel M.*, Eggel A.*  
1University of Bern, Department of RIA, Bern, Switzerland

45 **Neutrophils are potential antigen-presenting cells in IgE-mediated allergy**  
*Polak D.*, Nagl B.*, Briza P.*, Kitzmüller C.*, Bohle B.*  
1Medical University of Vienna, Dept. of Pathophysiology/Division of Immunopathology, Vienna, Austria,  
2University of Salzburg, Department of Molecular Biology, Salzburg, Austria

46 **Cockroach serine protease modulates T cell responses by activating PAR-2 on dendritic cells**  
*Agrawal K.*, Kale S.L.*, Arora N.*  
1CSIR-Institute of Genomic and Integrative Biology, Allergy and Immunology Section, Delhi, India

47 **PGE₂ suppresses human group 2 innate lymphoid cell function**  
*Maric J.*, Heinemann A.*, Konya V.*, Mjösberg J.*  
1Medical University of Graz, Institute of Experimental and Clinical Pharmacology, Graz, Austria,  
2Karolinska Institutet, CIM, Department of Medicine, Huddinge, Stockholm, Sweden

**Oral Abstract Session (OAS 9) 15:30 – 17:00**

**Updates in allergic rhinitis: From epidemiology to treatment**  
Lehar 4

**Chairs:** Paloma Campo, Spain  
Ralph Mösges, Germany

**Session roadmap**
Paloma Campo, Spain

49 **Sex-switch of allergic rhinitis prevalence during adolescence – pooled analyses of longitudinal European birth cohort data from MeDALL**  
1Charité - Universitätsmedizin Berlin, Institute for Social Medicine, Epidemiology and Health Economics, Berlin, Germany,  
2Karolinska Institutet, Department of Medical Epidemiology and Biostatistics, Stockholm, Sweden,  
3Karolinska Institutet, Stockholm South General Hospital, Department of Clinical Science and Education, Stockholm, Sweden,  
4Odense University Hospital, Department of Dermatology and Allergy Centre, Odense, Denmark,  
5National Institute for Public Health and the Environment, Centre for Prevention and Health Services Research, Bilthoven, The Netherlands,  
6University Medical Center Groningen, Dept. of Pulmonary Medicine and Tuberculosis, Groningen, The Netherlands,  
7Charité - Universitätsmedizin Berlin, Department for Pediatric Pneumology and Immunology, Berlin, Germany,  
8Research Center for Environmental Health, Institute of Epidemiology I, Helmholtz Zentrum München - Germany, Neuherberg, Germany,  
9Biomax Informatics AG, Planegg, Germany,  
10University Hospital, Montpellier, Department of Respiratory Diseases, Montpellier, France,  
11CREAL, IMIM, CIBER, Uni Pompeu Fabra, Barcelona, Spain
50 Relationship between Filaggrin mutations, eczema and aeroallergen sensitisation in determining allergic rhinitis in childhood and adolescence
Chan A.1,2, Terry W.3, Zhang H.4, Karmus W.4, Ewart S.5, Holloway J.W.6, Roberts G.1,7,8, Kurukulaaratchy R.1,7,8, Arshad S.H.1,5,6
1University of Southampton, Faculty of Medicine, Southampton, United Kingdom, 2Singapore General Hospital, Department of Respiratory and Critical Care Medicine, Singapore, Singapore, 3University of Memphis, Department of Mathematical Sciences, Memphis, United States, 4University of Memphis, Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, Memphis, United States, 5Michigan State University, Department of Large Animal Clinical Sciences, East Lansing, United States, 6University of Southampton, Human Development and Health, Faculty of Medicine, Southampton, United Kingdom, 7David Wight Asthma and Allergy Research Centre, Isle of Wight, United Kingdom, 8University Hospitals Southampton NHS Foundation Trust, Respiratory Biomedical Research Unit, Southampton, United Kingdom

51 Benefits of the allergy diary app for patients and the allergy diary companion app for physicians: results from a digital survey conducted during EAACI 2015
Bousquet J.1,2,3, Papadopoulos N.G.4, Price D.5, Bachert C.6, Hellings P.7, Muraro A.8
1University Hospital, Montpellier, France, 2MACVIA-LR, European Innovation Partnership on Active and Healthy Aging Reference Site, Montpellier, France, 3INSERM U 1168, Paris, France, 4University of Athens, Allergy Department, Athens, Greece, 5University Hospitals Southampton NHS Foundation Trust, Respiratory Biomedical Research Unit, Southampton, United Kingdom, 6Ghent University Hospital, Dept of Oto-rhino-laryngology, Ghent, Belgium, 7University Hospitals Leuven, Department of Otorhinolaryngology, Leuven, Belgium, 8Padua General University Hospital, Department of Mother and Child Health, Padua, Italy

52 Physician heal thyself: burden of allergic rhinitis amongst EAACI members
Mullol J.1, Papadopoulos N.G.2, Hellings P.7, Bousquet J.4,5,6, Scadding G.7, Muraro A.8
1Hospital Clinic, IDIBAPS, CIBERES, Barcelona, Spain, 2University of Athens, Allergy Department, Athens, Greece, 3University Hospitals Leuven, Department of Otorhinolaryngology, Leuven, Belgium, 4University Hospital, Montpellier, France, 5MACVIA-LR, European Innovation Partnership on Active and Healthy Aging Reference Site, Montpellier, France, 6INSERM U 1168, Paris, France, 7The Royal National Throat, Nose and Ear Hospital, London, United Kingdom, 8Padua General University Hospital, Department of Mother and Child Health, Padua, Italy

53 Changes in total and fractional exhaled breath temperature in subjects with allergic rhinitis sensitized to grass pollen in the course of the pollen season
Popov T.A.1, Kralimarkova T.1, Hristova D.1, Uzunov S.1, Staevska M.1, Lazarova C.1, Valerievea A.1, Dimitrov V.1
1Medical University of Sofia, Clinic of Allergy & Asthma, Sofia, Bulgaria

54 Comparison of relative and absolute treatment differences between sublingual immunotherapy tablets and pharmacotherapies for seasonal and perennial allergic rhinitis: pooled analyses of clinical trials
Creticos P.S.1, Durham S.2, Nelson H.S.3, Kaur A.4, Li Z.4, Meltzer E.O.5, Nolte H.4
1Creticos Research Group and Johns Hopkins University School of Medicine, Division of Allergy & Clinical Immunology, Baltimore, United States, 2Royal Brompton and Harefield Hospitals National Health Service Trust and Imperial College, London, United Kingdom, 3National Jewish Health, Denver, United States, 4Merck & Co., Inc., Kenilworth, United States, 5Allergy & Asthma Medical Group & Research Center, San Diego, United States
Oral Abstract Session (OAS 10) 15:30 – 17:00

Inflammatory mechanisms in asthma

Stolz 2

Chairs: Sven Seys, Belgium
Hermelijn Smits, Netherlands

Session roadmap

Sven Seys, Belgium

55 Pathogenic sputum autoantibodies in eosinophilic severe asthma: a novel autoimmune endotype
Mukherjee M.1, Bulir D.1, Kjarsgaard M.1, Radford K.1, Jacobsen E.2, Ochkar S.2, Mahony J.1, Lee J.2, Lacy P.1, Nair P.1
1McMaster University, Medicine, Hamilton, Canada, 2Mayo Clinic, Pulmonary Medicine, Scottsdale, United States, 3University of Alberta, Pulmonary Medicine, Edmonton, Canada

56 Role of neutrophil autophagy and extracellular trap in severe asthma
Pham D.L.1,2,3, Ban G.-Y.1, Kim S.-H.1, Kim T.T.H.1, Chwae Y.-J.4, Park H.-S.1
1Ajou University School of Medicine, Department of Allergy and Clinical Immunology, Suwon, Republic of Korea, 2Ajou University School of Medicine, Department of Biomedical Sciences, Suwon, Republic of Korea, 3University of Medicine and Pharmacy, Department of Biomedical Science, Ho Chi Minh, Vietnam, 4Ajou University School of Medicine, Department of Microbiology, Suwon, Republic of Korea

57 Peripheral and local B cells in allergic asthma
Upton N.1,2,3, Dhariwal J.4, Wu B.1, James L.1, Johnston S.4, Gould H.J.1
1King’s College London, Asthma Allergy and Lung Biology, London, United Kingdom, 2MRC & Asthma UK Centre in Allergic Mechanisms of Asthma, London, United Kingdom, 3Randall Division of Cell and Molecular Biophysics, London, United Kingdom, 4Imperial College of London, Respiratory Medicine, London, United Kingdom

Oral Abstract Session (OAS 11) 15:30 – 17:00

NSAID hypersensitivity

Schubert 1-3

Chairs: Marek L. Kowalski, Poland
Maria Jose Torres, Spain

Session roadmap

Marek L. Kowalski, Poland

61 Is it possible today to classify NSAIDs hypersensitivity in children?
Cousin M.1, Chiriac A.1, Molinari N.2, Demoly P.1,2, Caimmi D.1
1Hôpital Arnaud de Villeneuve, CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Montpellier, France, 2CHRU de Montpellier, Département de Statistiques, IMAG U5 I 49 CNRS, Montpellier, France, Sorbonne Universités, UPMC Paris O6, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France

62 Multiple selective responders should not be confused with cross – intolerance to NSAIDs
Blanca-López N.1, Pérez-Alzate D.1, Ruano F.J.1, Doña I.2, Somoza M.L.1, Mayorga C.3, Torres M.J.2, Cornejo-Garcia J.A.3, Blanca M.2, Canto M.G.1
1Infanta Leonor - University Hospital, Madrid, Spain, 2Carlos Haya Hospital, Malaga, Spain, 3IBIMA - Regional University Hospital of Malaga - University of Malaga, Malaga, Spain

Analysis of selective hypersensitivity reactions to metamizole in our allergy unit
Doña I.1, Blanca-López N.2, Salas M.1, Barri
genuevo E.1, Guerrero M.A., Ruiz A.1, Canto G.2, Blanca M.1
1Regional Hospital of Málaga-IBIMA, Allergy, Málaga, Spain, 2Infanta Leonor Hospital, Allergy, Madrid, Spain
Immediate selective allergic responses to ibuprofen and other aryl propionic acid derivatives

Pérez-Alzate D.¹, Blanca-López N.¹, Garcimartín M.¹, Doña I.², Somoza M.L.¹, Mayorga C.³, Torres M.J.², Bogas G.², Cornejo-García J.A.³, Canto M.G.¹, Blanca M.²
¹Infanta Leonor - University Hospital, Madrid, Spain, ²Carlos Haya Hospital, Málaga, Spain, ³IBIMA - Regional University Hospital of Málaga - University of Málaga, Málaga, Spain

Assessment of oral drug provocation test in the diagnosis of non-steroidal anti-inflammatory drugs hypersensitivity

Khanh B.V.¹, Nguyet N.N.², Phuong N.H.¹, Tu T.L.³, Hieu C.C.¹
¹Bach Mai Hospital, Center of Allergology and Clinical Immunology, Hanoi, Viet Nam, ²Hanoi Medical University, Allergy Dept, Hanoi, Viet Nam, ³Hanoi Heart Hospital, Outpatients Dept, Hanoi, Viet Nam

Immunological tests in allergy diagnosis Poster Discussion Zone 1

Chair: Hans-Jürgen Hoffmann, Denmark

Rob Aalberse, The Netherlands

284 Diagnosis of cow’s milk allergy in children under 1 year
Khaleva E.¹, Novic G.¹, Bychkova N.², Makarova N.², Davydova N.², Kalinina N.²
¹Saint Petersburg State Pediatric Medical University, Saint Petersburg, Russian Federation, ²Nikiforov Russian Center of Emergency and Radiation Medicine, EMERCOM of Russia, Saint Petersburg, Russian Federation

285 Novel transcriptomic and immunoproteotomic approaches in identifying cross-reactive allergens between crustacean and molluscs
Nuqraha R.¹,², Zenger K.³, Kamath S.D.¹,², Lopata A.L.¹,²
¹James Cook University, Centre for Biodiversity and Molecular Development of Therapeutics, Townsville, Australia, ²James Cook University, Australian Institute of Tropical Health and Medicine, Townsville, Australia, ³James Cook University, College of Marine & Environmental Sciences, Townsville, Australia

286 IgE cross-reactivity between the major peanut allergens Ara h 2 and Ara h 6
Hazebruck S.¹, Guillon B.¹, Paty E.², Adel-Patient K.¹, Bernard H.¹
¹UMR CEA-INRA Service de Pharmacologie et d’Immunopananalyse, UR496, Laboratoire d’Immuno-Allergie Alimentaire, Gif-sur-Yvette, France, ²Université Paris Descartes, Assistance Publique des Hôpitaux de Paris, Hôpital Necker Enfants Malades, Paris, France

287 Interest of 2D Immunoblot for the diagnosis of allergy to wheat
Bertholet C.¹, Cadisserie R.¹, Delahaut P.², Quinting B.², Courtois J.⁴
¹CHU, Department of Clinical Chemistry, Liège, Belgium, ²CER Group, Health Department, Marloie, Belgium, ³HELMo/CRIG, Liège, Belgium, ⁴CRIG A.S.B.L, Liège, Belgium

288 AllergenOncology: acrolein suppress the immune system preventing allergic sensitization and promoting tumor-growth
Roth-Walter F.¹, Stremnitzer C.², Bergmayr C.², Buchleitner S.¹, Manzano-Szalai K.¹, Fazekas J.², Moskovskich A.¹, Zdenek D.³, Neunkirchner A.¹, Jensen-Jarolim E.¹,²
¹Messersii Research Institute of the University of Veterinary Medicine Vienna, Medical University of Vienna and University of Vienna, Comparative Medicine, Vienna, Austria, ²Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria, ³Palacký University, Department of Cell Biology and Genetics, Olomouc, Czech Republic, ⁴Medical University of Vienna, Institute of Immunology, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria

289 Basophil activation with Pru p 3 may rescue negative Pru p 3 IgE in peach allergic patients
Klingebiel C.¹, Poisson A.², Rousseau M.², Guieu C.², Cleach I.², Mége J.-L.³, Vitte J.³
¹Laboratoire Montgrand, Marseille, France, ²Centre Médical Montgrand, Marseille, France, ³Assistance Publique Hôpitaux de Marseille, Laboratoire d’Immunologie Hôpital de la Conception, Marseille, France

290 Skin prick tests: agreement among different positivity criteria
Pereira A.M.¹, Araújo L.¹,², Sá-Sousa A.², Couto M.², Pittê H.⁴, Jacinto T.¹,², Morais-Almeida M.¹,², Delgado L.²,³, Fonseca J.A.¹,²,³
¹CUF-Porto Hospital & Institute, Allergy Unit, Porto, Portugal, ²Faculty of Medicine of Porto University, CINTESIS – Centre for Health Technology and Services Research, Porto, Portugal, ³Faculty of Medicine of Porto University, Immunology Laboratory, Basic & Clinical immunology, Porto, Portugal, ⁴CUF-Descobertas Hospital, Allergy Centre, Lisbon, Portugal, ⁵NOVA Medical School, CEDOC, Chronic Diseases Research Centre, Lisbon, Portugal, ⁶Portuguese Society of Allergy and Clinical Immunology (Sociedade Portuguesa de Alergologia e Imunologia Clínica, SPAIC), Lisbon, Portugal
291 The diagnostic value of skin prick testing with purified LTP
1Laboratorios LETI S.L., R&D Department, Tres Cantos, Spain, 2Hospital Virgen de la Arrixaca, Allergy Service, Murcia, Spain, 3Complejo Hospitalario Universitario de Cartagena, Allergy Section, Cartagena, Spain, 4Hospital Marina Baixa, Allergy Section, Villajoyosa, Spain, 5Hospital General Universitario de Elche, Allergy Unit, Elche, Spain, 6Hospital de la Vega Baja, Allergy Unit, Orihuela, Spain, 7Centro de Especialidades el Españolito, Allergy Unit, Játiva, Spain

292 Development and application of quantitative immunoassays for major milk allergens Bos d 5 (β-lactoglobulin) and Bos d 11 (β-casein).
Yarham R.1, Kuklinska-Pijanka A.1, Gillick D.1, Patient K.2, Bernard H.2, Chapman M.D.1, Hindley J.1
1Indoor Biotechnologies, Cardiff, United Kingdom, 2UMR CEAINRA Service de Pharmacologie et d’Immunoanalyse, Laboratoire d’Immunologie Allergique, Gif-sur-Yvette, France

293 A two-site immunoassay for quantification of peanut allergen Ara h 8
Smith B.1, Filip S.1, Prtorich K.1, Reid Black K.1, Wuenschmann S.1, King E.1, Chapman M.1
1Indoor Biotechnologies, Inc., Charlottesvile, United States

294 Investigations with the INA-mite-detector
Wahl R.1, Putensen O.1, Uhlig J.1
1ROXALL Medizin, Oststeinbek/Hamburg, Germany

295 Performance characteristics of specific IgE assay
Breen P.1, McLennan N.1, Valente E.1
1Omega Diagnostics, Research and Development, Alva, United Kingdom

296 Comparison of commercial skin prick test reagent using in vivo and in vitro method
Son Y.W.1, Park K.H.1, Lee J.1, Park H.J.1,2, Sim D.W.1,2, Lee S.C.1, Lee J.-H.1,2, Park J.-W.1,2
1Yonsei University College of Medicine, Severance Hospital, Division of Allergy and Immunology, Department of Internal Medicine, Seoul, Republic of Korea, 2Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

Sunday, 12 June 2016

15:30 – 17:00

Poster Discussion Session (PDS 9)
Food allergy: From mice to men

Poster Discussion Zone 2

Chair: Erika Jensen-Jarolim, Austria

297 Comparing the sensitizing capacity of raw and processed cow’s milk in a murine sensitization model for food allergy
Abbring S.1, Diks M.A.P.1, Dingjan G.M.1, Baars T.1, Garssen J.1,2, van Esch B.C.A.M.1,3
1Utrecht University, Utrecht Institute of Pharmaceutical Sciences, Pharmacology, Utrecht, The Netherlands, 2Research Institute of Organic Agriculture (FiBL), Frick, Switzerland, 3Nutricia Research, Utrecht, The Netherlands

298 PI3K inhibitor suppressed food allergic symptoms in the mouse model
Yasutomi M.1, Kawakita A.1, Okazaki S.1, Hayashi H.1, Murai H.1, Mayumi M.1, Ohshima Y.1
1Faculty of Medical Sciences, University of Fukui, Department of Pediatrics, Fukui, Japan

299 Influence of dietary combined vitamin deficiency on cellular immunity in rats
Khanferyan R.1, Trushina E.N.1, Mustafina O.K.1, Vrzhesskaya O.A.1, Kodentsova V.M.1, DuBuske L.M.2,3
1Scientific-Research Institute of Nutrition, Moscow, Russian Federation, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

300 EPIT is safe and efficacious in flaggrin deficient mice sensitized to peanut
Wavrin S.1, Mondoulet L.1, Dioszeghy V.1, Putexa E.1, Liguosi M.1, Dheilt V.1, Plaquet C.1, Dupont C.2, Benhamou P.-H.1, Sampson H.3
1DBV Technologies, Montrouge, France, 2Necker Hospital, Paris, France, 3DBV Technologies, New York, United States

301 Impact of early life exposure to the mycotoxin DON on the development of food allergy
Høegkamp A.1, Jeurink P.1, Thijssen S.1, Alizadeh A.2, Fink-Gremmels J.1, Garssen J.1,2, Braber S.3, Veening-Griffioen D.2
1Utrecht University, Division of Pharmacology, UIPS, Faculty of Science, Utrecht, The Netherlands, 2Nutricia Research, Immunology, Utrecht, The Netherlands, 3University College of Medicine, Seoul, Republic of Korea

302 Japanese loquat allergens share antigenic cross-reactivity (14- and 17-KDa bands) with Betulaceae pollen
Takaoka Y.1, Kondo Y.2, Tokuda R.3, Fujisawa T.4, Morikawa A.5, Doi S.6
1Osaka Prefectural Hospital Organization Oska Prefectural Medical Center for Respiratory and Allergic Diseases, Department of Pediatrics, Habikino, Japan, 2Fujita Health University, The Second Teaching Hospital, Department of Pediatrics, Nagoya Aichi, Japan, 3Tokuda Family Clinic, Ise, Japan, 4National Hospital Organization Mie Hospital, Tsu, Japan, 5Kita Kanto Allergy Institute Kibounoie Hospital, Midori, Japan, 6Osaka Prefectural Medical Center for Respiratory and Allergic Diseases, Habikino, Japan
303 Allergenicity assessment of hen egg iron-free ovotransferrin and iron-loaded ovotransferrin
Tong P.1, Zheng Y.2, Yuan J.3, Gao L.2, Gao J.Y.4, Li X.5, Wu Z.H.6, Yang A.S.6, Yuan J.L.1, Chen H.B.7
1Nanchang University, State Key Laboratory of Food Science and Technology, Nanchang, Jiangxi Province, China,
2Nanchang University, State Key Laboratory of Food Science and Technology, Sino-German Joint Research Institute, Nanchang, Jiangxi Province, China, 3Nanchang University, State Key Laboratory of Food Science and Technology, Department of Food Science, Nanchang, Jiangxi Province, China, 4Nanchang University, State Key Laboratory of Food Science and Technology, Department of Food Science, Nanchang, Jiangxi Province, China, 5Nanchang University, State Key Laboratory of Food Science and Technology, Department of Food Science, Nanchang, Jiangxi Province, China, 6Nanchang University, State Key Laboratory of Food Science and Technology, Department of Food Science, Nanchang, Jiangxi Province, China, 7Nanchang University, State Key Laboratory of Food Science and Technology, Department of Food Science, Nanchang, Jiangxi Province, China

304 Effects of enzymatic deglycosylation following ultrasound pretreatment on the structure and immunoreactivity of soybean 7S protein
Yang A.1,2, Zu Q.1, Gao J.1, Wu Z.1,2, Li X.1, Tong P.1, Chen H.1,2
Nanchang University Food Allergy Group
1Nanchang University, State Key Laboratory of Food Science and Technology, Nanchang, China, 2Nanchang University, State Key Laboratory of Food Science and Technology, Nanchang, China, 3Nanchang University, Sino-German Joint Research Institute, Nanchang, China

305 Biomarkers for peanut allergy in peripheral blood derived from a whole mRNA screen in Ara h 2 specific T cells
Saidova A.1, Fajgelj V.1, Bublin M.2, Schmidthaler K.1
1Medical University of Vienna, Pediatrics and Adolescent Medicine, Vienna, Austria, 2Medical University of Vienna, Pathophysiology and Allergy Research, Vienna, Austria

306 Could IL-33/ST2 pathway play a role in Pru p3-sensitized peach allergic patients?
Uasuf C.G.1, Di Sano C.1, Gangemi S.2, Cigna D.1, Brusca I.3, Gjomarkaj M.1, Pace E.1
1Institute of Biomedicine and Molecular Immunology “A. Monroy”(IBIM) - National Research Council (CNR), Allergy Diseases Center “Prof G. Bonsignore”, Palermo, Italy, 2University of Messina, School and Division of Allergy and Clinical Immunology, Department of Clinical and Experimental Medicine, Messina, Italy, 3Buccheri La Ferla Hospital, Clinical Pathology, Allergy Unit, Palermo, Italy

307 Severe profilin mediated food reactions correlate with e oral mucosa integrity
Rosace D.1, Escribese M.M.1, Fernandez P.1, Perez-Gordo M.1, Belver M.T.2, Ramos T.3, Valls A.2, Dominguez M.C.2, Vega A.3, Marco G.4, de Pedro M.5, Sanchez L.6, Amas M.M.6, Sintael1a M.5, Hernandez-Rivas M.5, Blanco C.7, Alvarado M.J.2, Barber D.1
1Universidad San Pablo CEU, Institute of Applied Molecular Medicine, Boadilla del Monte, Spain, 2Hospital Universitario de la Princesa, Madrid, Spain, 3Hospital Publico Virgen del Puerto, Las Palmas, Spain, 4Hospital Clinico San Carlos, Madrid, Spain, 5Hospital Universitario Sanchinarro, Madrid, Spain

308 Cross-reactivity to fish and chicken meat – a new clinical syndrome?
Kuehn A.1, Codreanu-Morel F.2, Lehners-Weber C.2, Doyen V.2, Gomez-Andres S.-A.4, Bienvienu F.3, Fischer J.2, Ballardini N.7,8,9, van Hage M.10, Perotin-Collard J.-M.11, Silcret-Grieu S.12, Chabane H.13, Hentges F.1,2, Ollert M.1,4, Morisset M.2
1Luxembourg Institute of Health, Department of Infection and Immunity, Esch-sur-Alzette, Luxembourg, 2Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Luxembourg, Luxembourg, 3CHU Brüggmann, Université Libre de Bruxelles, Clinic of Immunology-Allergology, Brussels, Belgium, 4Hôpital Femme-Mère-Enfant Bron, Pediatric Pneumology Unit, Bron, France, 5Centre Hospitalier Lyon-Sud, Immunology Laboratory, Allergology Unit, Lyon, France, 6Eberhard Karls University, Faculty of Medicine, Department of Dermatology, Allergy Unit, Tübingen, Germany, 7Karolinska Institutet, Institut of Environmental Medicine, Stockholm, Sweden, 8Sachs’ Children and Youth Hospital, Södersjukhuset, Stockholm, Sweden, 9St John’s Institute of Dermatology, King’s College London, London, United Kingdom, 10Karolinska Institutet, Karolinska University Hospital, Immunology and Allergy Unit, Department of Medicine, Stockholm, Sweden, 11University Hospital Reims, INSERM UMR 903, Department of Respiratory Medicine, Reims, France, 12Université Paris Descartes, Groupe Hospitalier Cochin, Service de Pathologie Professionnelle, Paris, France, 13Hôpital Delafontaine, Department of Pediatrics, Saint Denis, France, 14University of Southern Denmark, Odense Research Center for Anaphylaxis, Department of Dermatology and Allergy Center, Odense, Denmark

309 Is jellyfish ingestion safe in allergic patients? Preliminary results
Amaral L.1, Raposo A.2, Morais Z.2, Coimbra A.1
1Servicio de Imunoalergología, Centro Hospitalar São João, Porto, Portugal, 2Centro de Investigação Interdisciplinar Egas Moniz, CiEiM, Egas Moniz Cooperativa de Ensino Superior, Campus Universitário Quinta da Granja, Caparica, Portugal
Mechanisms of immunotherapy

Chair: Mohamed Shamji, United Kingdom

1 Geographical variability in IgE and IgG4 in patients with allergy to Dermatophagoides pteronyssinus before and after treatment initiation with different concentrations of a depigmented and polymerized extract
Cardona V.1, Carrillo T.2, Rodriguez F.3, Roger A.4, Sanchez D.5, Levitch R.6, Alvare A.6
1Hospital Vall d’Hebron, Barcelona, Spain, 2Hospital Dr. Negrin, Las Palmas de Gran Canaria, Spain, 3Hospital Marques de Valdecilla, Santander, Spain, 4Hospital Germans Trias i Pujol, Barcelona, Spain, 5Laboratorios LETI S.L., Tres Cantos, Spain, 6Laboratorios LETI, Medical, Tres Cantos, Spain

2 Dynamics of soluble forms of VCAM-1 and CD23 during specific immunotherapy in children with seasonal allergic rhinitis
Orlava E.1
1National Academy of Sciences of Belarus, Minsk, Belarus

3 Peanut-specific immunoglobulin levels following SCIT-treatment with a chemically modified, aluminium hydroxide adsorbed peanut extract (HAL-MPE1) in peanut allergic patients
Bindslev-Jensen C.1, van Twuijver E.2, Boot D.J.2, El Gahta R.2, de Kam P.-J.2, Opstelten D.-E.3, van Rees R.4, Pahlow Mose A.1, Kring Tannert L.1, Stahl Skov P.3
1Department of Dermatology and Allergy Centre, Odense University Hospital, Odense, Denmark, 2HAL Allergy BV, Medical, Leiden, The Netherlands, 3HAL Allergy BV, Research & Development, Leiden, The Netherlands, 4Department of Experimental Immunology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands, 5RefLab ApS, Copenhagen, Denmark

4 EPIT-induced bystander effect mainly conferred by naive Tregs via soluble factors and cell-cell contact in a murine model
Mondoulet L.1, Dioszeghy V.1, Liguors M.1, Puteaux E.1, Dheilt V.1, Plaquet C.1, Dupont C.1, Benhamou P.-H.1, Sampson H.2
1DBV Technologies, Montrouge, France, 2DBV Technologies, New York, United States

5 Inhibition of CD23-mediated Serum IgE-facilitated allergen presentation by allergen-specific immunotherapy with Japanese cedar pollinosis
Matsuoka T.1, Fukano C.2, Igarashi S.1, Ohashi-Doi K.2, Nakao A.3, Masuyama K.1
1University of Yamanashi, Otorhinolaryngology, Head and Neck Surgery, Yamanashi, Japan, 2University of Yamanashi, Immunology, Faculty of Medicine, Yamanashi, Japan

6 EPIT-induced Tregs suppress T cell proliferation in specific and bystander conditions in a model of food allergen sensitized mice
Pelletier B.1, Mondoulet L.1, Puteaux E.1, Liguors M.1, Dheilt V.1, Plaquet C.1, Dupont C.1, Benhamou P.-H.1, Sampson H.2
1DBV Technologies, Montrouge, France, 2Necker Hospital, Paris, France, 3DBV Technologies, New York, United States

7 Intranasal delivery of a nanoemulsion vaccine suppresses T2 immunity and inhibits allergic responses in a mouse model of allergy
O’Konek J.J.1, Goel R.R.1, Landers J.J.1, Janczak K.1, Mondrusov A.M.1, Baker, Jr J.R.1
1University of Michigan, Mary H. Weiser Food Allergy Center, Ann Arbor, United States

8 Human monocyte-derived suppressor cells control graft-versus-host disease while preserving graft-versus-leukemia effect and acquire clinically relevant qualities
Janikashvili N.1,2, Samson M.1, Thébault M.1, Brazdova A.1, Berulava T.1, Ciudad M.1, Audia S.1, Bonnotte B.1
1INSERM U 1098, University of Bourgogne Franche-Comté, Dijon, France, 2Tbilisi State Medical University, Department of Immunology, Faculty of Medicine, Tbilisi, Georgia, 3German Center for Neurodegenerative Diseases, Göttingen, Germany

9 Characterization of NET response to adjuvants used in allergy vaccines
Reithofer M.1, Polak D.1, Kitzmüller C.1, Bohle B.1, Jahn-Schmid B.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Division of Experimental Allergology, Wien, Austria

10 Development and validation of a sandwich enzyme-linked immunosorbent assay (ELISA) for the quantification of Ara h6 in peanut flour, peanut extract, and patches for epicutaneous immunotherapy (EPIT)
Zebina M.1, Koppelman S.1,2, Villet B.1, Pascal I.1, Martin L.1, DBV Technologies, Montrouge, France, 2University of Nebraska, Food Science and Technology, Lincoln, NE, United States

11 A hypoallergenic vaccine of Der p 23, a new major house dust mite allergen, for immunotherapy
Banerjee S.1, Weber M.1, Blatt K.2, Swoboda I.1, Valent P.2, Valenta R.1, Vrtila S.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Internal Medicine I, Vienna, Austria

12 Characterisation of a new method for quantitative determination of house dust mite allergen specific IgE-blocking factor for monitoring allergy immunotherapy with SQ HDM SLIT-tablet
Johansen N.1, Granager P.M.1, Ipsen H.1, Strand T.1, Lund K.1
1ALK A/S, Global Research and Development, Horsholm, Denmark

13 Pollen-food syndrome – a novel way to tackle the problem
Hofer H.1, Hauser M.1, Asam C.1, Nagl B.2, Himy M.1, Briza P.1, Ebner C.2, Lang R.2, Hawranek T.1, Bohle B.1, Ferreira F.1, Wallner M.1
1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Medical University of Vienna, Department for Pathophysiology, Vienna, Austria, 3Allergieambulatorium am Reumannplatz, Vienna, Austria, 4Paracelsus Medical University of Salzburg, Department of Dermatology, Salzburg, Austria, 5Medical University of Vienna, Department of Pathophysiology, Vienna, Austria
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<th>Factors associated with asthma severity</th>
<th>Poster Discussion Zone 4</th>
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| **1408**  
Severity of allergic asthma is associated to multiple dog and/or cat allergen component sensitisation  
Suzuki S.1, Ekerljung L.1, Borres M.2,3, Sjölander S.2, Mincheva R.1, Lötvall J.1  
1University of Gothenburg, Krefting Research Centre, Gothenburg, Sweden, 2Thermo Fisher Scientific, R&D ImmunoDiagnostics, Uppsala, Sweden, 3Uppsala University, Department of Women’s and Children’s Health, Uppsala, Sweden | **1414**  
The role of GSTM1 and GSTT1 gene polymorphisms in bronchial asthma  
Cortez e Castro M.1,2, Matos A.3, Lourenço M.3, Ferreira J.3, Bicho M.3  
1CHLN_HSM, Lisbon, Portugal, 2Lisbon Medical School, ImmunoAllergy, Lisbon, Portugal, 3Lisbon Medical School, Lisbon, Portugal  
Association of SNPs in DEFB1 gene and HBD-1 expression with bronchial asthma  
Svitlich D.A.1,2, Gankovskaya L.V.1, Namazova-Baranova L.S.3, Gankovskii V.A.3, Zaiceva M.1, Alekseeva A.3, Braqavadze B.1  
1Pirogov Russian National Research Medical University, Moscow, Russia, Federation, 2Federal State Budgetary Institution ‘Scientific Center of Children’s Health’ Of the Ministry of Health of the Russian Federation, Moscow, Russian Federation  
Altered kinetics of clot retraction, reduced fibrinolytic activity and abnormal clot architecture in patients with steroid-naïve asthma  
Tomasjak-Lozowska M.M.1, Miształ T.1, Rusak T.2, Branska-Januszewska J.3, Klimek M., Bodzenta-Lukaszyk A.1, Tomasiak M.2  
1Medical University of Białystok, Department of Allergology and Internal Diseases, Białystok, Poland, 2Medical University of Białystok, Department of Physical Chemistry, Białystok, Poland, 3Medical University of Białystok, Department of Biology, Białystok, Poland  
Incentives and enablers to improve asthmatic adolescents’ adherence to treatment  
Fink-Wagner A.-H.1, De Vocht J.1, De Carlo G.1, Brand H.2  
1European Federation of Allergy and Airways Diseases Patients’ Associations (EFA), Brussels, Belgium, 2Maastricht University, Maastricht, Netherlands  
The prevalence of β2 agonist response in patients with non-asthmatic eosinophilic bronchitis (NAEB) and spirometric differences among eosinophilic airway disorders associated with corticosteroid responsive chronic cough  
Tepetam F.1, Dumanc D.2, Kocak N.2, Salturk C.2, Agça M.2, Oruc O.2, Bulut L.2, Colakoglu B.3  
1Sureyyapasa Education and Research Hospital, Istanbul, Turkey, 2Sureyyapasa Education and Research Hospital, Istanbul, Turkey, 3Istanbul University Istanbul Faculty of Medicine, Istanbul, Turkey |  
| **1409**  
Association analysis of serum total IgE and specific IgE in a poor asthmatics children community settled on the Colombian Caribbean Coast  
Egea Bermejo E.E.1, Garavito de Egea G.1, Escamilla J.M.2, De Los Rios Castilla E.M.3, De la Cruz Lopez F.R.1, Lecompte Beltran N.1, Visbal Spirko L.P.1, Sanches Borges M.4  
1Universidad del Norte, División Ciencias de la Salud, Barranquilla, Colombia, 2Universidad de Cartagena, Departamento de Medicina, Cartagena de Indias, Colombia, 3Centro de Enfermedades Alérgicas Clínicas Zayma, División Ciencias de la Salud, Monteria, Colombia, 4Centro Médico Docente La Trinidad, Departamento de Alergología e Inmunología Clínica, Caracas, Bolivarian Republic of Venezuela |  
| **1410**  
The role of methylenetetrahydrofolate reductase polymorphism in asthmatic patients  
Cortez e Castro M.1,2, Westerling M.2, Matos A.4, Gil A.4, Ferreira J.3, Bicho M.4  
1CHLN_HSM, ImmunoAllergy, Lisbon, Portugal, 2Lisbon Medical School, Lisbon, Portugal, 3Lisbon Medical School, Genetic Department, Lisbon, Portugal, 4Genetic Department; Lisbon Medical School, Lisbon, Portugal |  
| **1411**  
The connection between body mass index and bronchial obstruction in patients with bronchial asthma depending on the Gln27Glu gene polymorphism of β2–adrenoreceptor  
Prystupa L.1, Bondarkova A.1  
1Sumy State University Medical Institute, Sumy, Ukraine |  
| **1412**  
The role of beta2 adrenergic receptor polymorphism in bronchial asthma  
Cortez e Castro M.1,2, Matos A.3, Lourenço M.3, Ferreira J.3, Bicho M.3  
1CHLN_HSM, ImmunoAllergy, Lisbon, Portugal, 2Lisbon Medical School, Lisbon, Portugal |  
| **1413**  
The role of myeloperoxidase gene promoter region polymorphism in asthma  
Cortez e Castro M.1,2, Matos A.3, Prabhudas R.2, Ferreira J.2, Gil A.2, Bicho M.3  
1CHLN_HSM, ImmunoAllergy, Lisbon, Portugal, 2Lisbon Medical School, Lisbon, Portugal |
Factors associated with chronic oral corticosteroid use in adults with persistent asthma

Tran T., Schatz M., Li Q., Chen W., Khatry R.S.
AstraZeneca, Gaithersburg, United States
Kaiser Permanente Southern California, San Diego and Pasadena, United States
Metroimmune, Gaithersburg, United States

Physicians’ preference for controller medication in mild persistent asthma

Bakirtas A., Kutlu A., Baccioglu A., Oner Erkekol F., Babevsk S., Kalayci O.
Gazi University School of Medicine, Ankara, Turkey
Uskudar University, Istanbul, Turkey
Kirikkale University Faculty of Medicine, Kirikkale, Turkey
Ataturk Chest Diseases and Thoracic Surgery Education and Research Hospital, Ankara, Turkey
Ankara University School of Medicine, Ankara, Turkey
Hacettepe University School of Medicine, Ankara, Turkey

Case series of Allergic Bronchopulmonary Aspergillosis (ABPA) and patients with severe asthma fungi sensitised in a national institute of pulmonary diseases in Mexico

National Institute of Pulmonary Diseases, Department of Investigation on Allergy and Immunology, Mexico City, Mexico

The current position for status of childhood asthma and allergic disorders in Cyprus: a cross-sectional trend study

Altunc U., Sakarya S., Outranji L., Almoustafa A., Sezer A.S., Gökçora N.
Eastern Mediterranean University, Medical Faculty, Famagusta, Cyprus
Marmara University, Medical Faculty, Department of Public Health, Istanbul, Turkey

Sister Society Symposium (SSS 2)

IRINE Symposium: Current concepts in allergy in Eastern Europe

Chairs:
Lawrence DuBuske, United States
Alexander Babakhin, Russian Federation
Leonid Titov, Belarus

New assessments of genetic polymorphisms in asthma
Yuri Bisyuk, Ukraine

Novel studies of dendritic cell immunotherapy
Andrei Hanchourou, Belarus
Lawrence DuBuske, United States

Update on pollination patterns influenced by climate change
Victoria Rodinkova, Ukraine

Novel assessments of allergic inflammatory responses
Igor Kaidashev, Ukraine

Business Meeting (BM 2)

Interest Group Allergy, Asthma and Sports – Open to all attendees

Physical activity prescription for asthma and allergies: From bench to track and field
André Moreira, Portugal

Business Meeting (BM 3)

Interest Group Primary Immunodeficiency Diseases – Open to all attendees

How clinical immunologists treat hyper IgE syndrome
Taco Kuijpers, The Netherlands

Business Meeting (BM 4)

Interest Group Immunotherapy – Open to all attendees

Negative and positive results in AIT trials: What makes the difference?
Roy Gerth van Wijk, The Netherlands
The challenge of treating severe asthma patients
Elisabeth Bel
The Netherlands
12.06.2016, 10:30 – 12:00
Room: Strauss 3

WOMEN IN SCIENCE SYMPOSIUM

12.06.2016, 10:30 – 12:00
Room: Strauss 3

The challenge of treating severe asthma patients
Elisabeth Bel
The Netherlands

Immune mechanisms controlling respiratory health
Catherine Hawrylowicz
United Kingdom

Molecular phenotypes of asthma
Sally Wenzel
United States

THE INTRIGUES OF THE ASTHMATIC LUNG

Chairs:
Mübeccel Akdis, Switzerland
Antonella Muraro, Italy

Understanding the early life causes of asthma and allergy: How genetic epidemiology can help
Seif Shaheen, United Kingdom

The role of the skin microbiome in protection against allergic diseases
Nanna Fyhrquist, Finland

Serological and cellular characterisation of allergic response to α-Gal
Christiane Hilger, Luxembourg
**Programme at a Glance, Monday, 13 June 2016**

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Programme at a Glance, Monday, 13 June 2016

MONDAY

07:00 - 07:45
Business Suite 1
Business Suite 2
Galerie 3+4
Galerie 5+6

08:00
08:30 - 09:00
BM 1
12:00
BM 18
17:00
BM 21

09:00 - 09:30
BM 12

09:30 - 10:00
BM 13

10:00 - 10:30
BM 20

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BM 37

19:00
BM 38
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.

Programme is still subject to change. Please refer to the Congress App for the latest programme.

**Learning Lounges**

- **Learning Lounge (LL 4)**
  - **Betalactam allergy as a public health problem**
  - Maria Jose Torres, Spain

- **Learning Lounge (LL 5)**
  - **Occupational multiorgan disease: The airways and beyond**
  - Santiago Quirce, Spain

- **Learning Lounge (LL 6)**
  - **Component diagnostics in a food allergy clinic**
  - Barbara Ballmer-Weber, Switzerland
  - Jonas Lidholm, Sweden

- **Learning Lounge (LL 7)**
  - **Perioperative anaphylaxis and allergy to hidden drug components**
  - Lene Heise Garvey, Denmark

**EAACI General Assembly (GA)**

- **EAACI General Assembly**
  - **Treating allergy with biologicals**
  - **Chairs:** Ioana Agache, Romania
  - Cezmi Akdis, Switzerland
  - **Biologics in allergy**
    - Onur Boyman, Switzerland
  - **Anti-IL-13 in asthma**
    - Jonathan Corren, United States
  - **Anti-IL-4R in AD and asthma**
    - Thomas Bieber, Germany

**Plenary Symposium (PL 2)**

- **Neutrophils: Too long ignored in allergy**
  - **Chairs:** Liam O’Mahony, Switzerland
  - Edward Knol, The Netherlands
  - **Networking of neutrophils within the immune system**
    - Marco Cassatella, Italy
  - **Neutrophils and contact hypersensitivity**
    - Stefan Martin, Germany
  - **The IL-17/IL-26/neutrophil axis in asthma**
    - Anders Linden, Sweden
### Symposium (SYM 19) 10:45 – 12:15

**Barrier dysfunction in rhinosinoconjunctivitis**  
**Hall B1**

**Chairs:**  
Philippe Gevaert, Belgium  
Martin Desrosiers, Canada

- **Barrier dysfunction of the ocular surface**  
  Virginia Calder, United Kingdom
- **Barrier dysfunction in rhinitis**  
  Peter Hellings, Belgium
- **Barrier dysfunction in rhinosinusitis**  
  Robert Schleimer, United States

### Symposium (SYM 20) 10:45 – 12:15

**Mechanisms of IgE mediated food allergic reactions**  
**Hall B2**

**Chairs:**  
Ronald van Ree, The Netherlands  
Karin Hoffmann-Sommergruber, Austria

- **Allergokinetics**  
  Lars K. Poulsen, Denmark
- **IgE and IgG4 binding epitopes in food allergy**  
  Belén de la Hoz Caballer, Spain
- **Physiological responses to acute peanut allergic reactions**  
  Robert Boyle, United Kingdom

### Symposium (SYM 21) 10:45 – 12:15

**The spectrum of asthma care (Sister Symposium with IPCRG)**  
**Strauss 1+2**

**Chairs:**  
Dermot Ryan, United Kingdom  
Kerstin Romberg, Sweden

- **Asthma Care: What do patients want?**  
  Christine Rolland, France
- **The UK National review of asthma deaths: What lessons are there to be learned?**  
  Mark Levy, United Kingdom
- **The secondary care perspective**  
  Mika Mäkelä, Finland

### Symposium (SYM 22) 10:45 – 12:15

**MicroRNAs in asthma and allergy**  
**Lehar 1**

**Chairs:**  
Jan Lötvall, Sweden  
Kian Fan Chung, United Kingdom

- **MicroRNA in immune tolerance: Potential therapeutic role in asthma and allergic diseases?**  
  Francesca Fallarino, Italy
- **MicroRNAs: Are they the missing link to virus-induced asthma exacerbations?**  
  Tilman Sanchez-Elsner, United Kingdom
- **Could microRNAs be the future biomarkers of allergies and asthma?**  
  Cezmi Akdis, Switzerland
Symposium (SYM 23) 10:45 – 12:15
Genetics of drug hypersensitivity

Chairs: Jean-Christoph Caubet, Switzerland
        Maria Jose Torres, Spain

IgE mediated reactions
Jean-Louis Guéant, France

T cell mediated reactions
Vincent Yip, United Kingdom

Non-specific immunological mechanisms
Miguel Blanca, Spain

Symposium (SYM 24) 10:45 – 12:15
A different approach to asthma phenotypes in children

Chairs: Graham Roberts, United Kingdom
        Bradley E. Chipps, United States

Clinical phenotypes
Jocelyne Just, France

Molecular and immunological phenotyping
Sven Seys, Belgium

Phenotype-based treatment of asthma in children: Any light in the horizon?
Sejal Saglani, United Kingdom

Workshop (WS 4) 10:45 – 12:15
Automation in pollen counting

Chairs: Lorenzo Cecchi, Italy
        Isabella Annesi-Maesano, France

Semi-automatic pollen counting with Hirst type pollen traps
Uwe Berger, Austria

Automatic pollen counting using image recognition
Jeroen Buters, Germany

Online pollen counting
Bernard Clot, Switzerland

Sister Society Symposium (SSS 3) 10:45 – 12:15
GA²LEN Research improves precision medicine

Chairs: Nikos Papadopoulos, Greece
        Torsten Zuberbier, Germany

Introduction: From precision to 4P medicine: What are the steps ahead?
Nikos Papadopoulos, Greece

Prediction: Biomarkers of allergy in precision medicine
Claudio Rhyner, Switzerland

Prevention: Precision medicine in care pathways for allergic rhinitis
Jean Bousquet, France

Personalised: AIT as a model of precision medicine
G. Walter Canonica, Italy

Participation: The GA²LEN Network
Torsten Zuberbier, Germany

Q & A
Hot Topic (HT 3) 10:45 – 12:15

Filaggrin and allergic sensitisation: What is the link?  
Hall A1

Chair: Karsten Weller, Germany

- Skin barrier impairment at birth predicts food allergy at 2 years of age  
  Alan Irvine, Ireland
- Filaggrin is limiting house dust mite phospholipase antigens formation  
  Graham Ogg, United Kingdom
- Dendritic cells in eczema: The impact of filaggrin deficiency  
  Claire Leitch, United Kingdom

Year in Review (YIR 2) 10:45 – 12:15

Immunology  
Hall A2

Chairs: Cliona O’Farrelly, Ireland  
Francesco Annunziato, Italy

- Microbiota and food in the intestinal immune response  
  Liam O’Mahony, Switzerland
- Immune mechanisms in skin inflammation  
  Edward Knol, The Netherlands
- Immune mechanisms in reactive airways disease  
  Jürgen Schwarze, United Kingdom

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

Mechanisms of airway allergy  
Schubert 1-3

Chairs: William Busse, United States  
Inge Kortekaas Krohn, Belgium

Session roadmap
William Busse, United States

67 The house dust mite allergens Der p 5 and Der p 7 bind fatty acids and induce IL-8 production via TLR2-NF-κB and MAPK pathways in airway epithelial cells  
Pulsawat P.1, Satitsuksanoa P.1, Non Y.2, Kennedy M.3, Jacquet A.1  
1Chulalongkorn University, Bangkok, Thailand, 2Stallergenes Greer, Antony, France, 3University of Glasgow, Glasgow, United Kingdom

68 Cannabinoid receptor 2 augments eosinophil responsiveness and aggravates allergen-induced pulmonary inflammation in mice  
Frei-Winterleitner R.B.1, Luschinig P.1, Parzmair G.P.1, Peinhaupt M.1, Schranz S.1, Fauland A.2, Wheelock C.E.3, Heinemann A.1, Sturm E.M.1  
1Medical University of Graz, Institute of Exp. and Clin. Pharmacology, Graz, Austria, 2Karolinska Institute, Department of Medical Biochemistry and Biophysics, Stockholm, Sweden

69 The protease SplD provides a link between asthma and mucosal S. aureus colonization  
Teufelberger A.1,2, Stentzel S.2, Braun H.2, Maes T.4, Holtappels G.1, Provoost S.4, De Grove K.4, Beyaert R.4, Krysko D.V.2, Bröker B.M.3, Bachert C.1, Krysko O.1  
1Ghent University, Department of Otorhinolaryngology, Upper Airways Research Laboratory, Ghent, Belgium, 2Flemish Institute for Biotechnology, Inflammation Research Center, Ghent, Belgium, 3University Medicine Greifswald, Department of Immunology, Greifswald, Germany, 4Ghent University, Laboratory for Translational Research in Obstructive Pulmonary Diseases, Ghent, Belgium

- Structural and functional characterization of the cysteine protease Amb a 11, a new major allergen from short ragweed (Ambrosia artemisiifolia) pollen  
  Mascarell L.1, Groeme R.1, Airouche S.1, Kopečny D.2, Savko M.2, Berjont N.1, Le Miégnon M.1, Jagic F.1, Baron-Bode V.1, Briozzo P.1, Bordas-Le Floch V.1, Moingeon P.1  
 1Stallergenes Greer, Research, Antony, France, 2Palacký University, Centre of the Region Haná for Biotechnological and Agricultural Research Faculty of Science, Protein Biochemistry and Proteomics, Olomouc, Czech Republic, 2SOLEIL Synchrotron, Gif-sur-Yvette, France, 3Institut Jean-Pierre Bourguin, INRA, AgroParis Tech, Versailles, France

- Analyses of fine specificity and recognition of alpha-Gal by a monoclonal human IgE  
  Jabs F.1, Miehe M.M.1, Tjerrild L1, Jakob T.2, Andersen G.R.1, Plum M.1, Spillner E.1  
 1Aarhus University, Aarhus, Denmark, 2University Hospital Giessen and Marburg, Giessen, Germany
Oral Abstract Session (OAS 13) 10:45 – 12:15

### Treating different types of urticaria

**Schubert 4-6**

**Chairs:** Marta Ferrer, Spain  
Riccardo Asero, Italy

**Session roadmap**
Marta Ferrer, Spain

73 **Chronic idiopathic urticaria (CIU) can be subdivided into three groups based on distinct phenotypes of basophil reactivity, which are associated with different clinical scores**
Rauber M.M.1, Möbs C.1, Pfützner W.1
1Philipps University Marburg, Clinical & Experimental Allergology, Department of Dermatology and Allergology, Marburg, Germany

74 **The persistence of chronic spontaneous urticaria in childhood is associated with urticaria activity score**
Arik Yilmaz E.1, Karaatmaca B.1, Gur Cetinkaya P.1, Soyer O.1, Sekerel B.E.1, Sahiner U.M.1
1Hacettepe University School of Medicine, Department of Pediatric Allergy, Ankara, Turkey

75 **Functional analysis of the gene expression profile of severely active chronic spontaneous (idiopathic) urticaria patients**
1Hospital del Mar, Universitat Autònoma, Dermatology, Barcelona, Spain, 2Microarray Analysis Service, Institut Hospital del Mar d’Investigacions Mèdiques (IMIM), Barcelona, Spain, 3Institut Hospital del Mar d’Investigacions Mèdiques (IMIM), Immunology Department, Barcelona, Spain, 4Immunology Department, Institut Hospital del Mar d’Investigacions Mèdiques (IMIM), Barcelona, Spain, 5Milteny Biotec GmbH, Bergisch Gladbach, Germany, 6Translational Immunology, Department of Physiology and Immunology, Universitat de Barcelona, Barcelona, Spain, 7Hospital del Mar, Universitat Autònoma, Barcelona, Spain

76 **Clinical impact in quality of life of EAACI/GA2LEN/EDF/WAO guidelines for chronic spontaneous urticaria. Evaluation step by step**
Sanchez J.1, Zakzuk J.2, Cardona R.1
1Group of Clinical and Experimental Allergy, IPS Universitaria, Universidad de Antioquia, Medellin, Colombia, 2Institute of Immunological Research, Universidad de Cartagena, Cartagena, Colombia

77 **Omalizumab is effective and well tolerated in cold urticaria: results of CUTEX, a multicentre randomized placebo-controlled trial**
Maurer M.1, Schütz A.1, Weiler K.1, Gorczyza M.1, Peveling-Oberhaq A.2, Staabach P.1, Merk H.F.3, Metz M.1
1Charité - Universitätsmedizin Berlin, Dermatology, Berlin, Germany, 2University Medical Center Mainz, Dermatology, Mainz, Germany, 3RWTH Aachen University, Dermatology and Allergy, Aachen, Germany

### Late Breaking Oral Abstract Session (LB OAS 2) 10:45 – 12:15

Asthma in children

**Lehar 2**

**Session roadmap**

1352 **Hierarchical clustering identifies novel subgroups of childhood asthma**
Deliu M.1, Yavuz S.T.2,3, Sperrin M.1, Sahiner U.4, Sackesen C.4, Custovic A.4, Kalayci O.4
1University of Manchester, Institute of Population Health, Manchester, United Kingdom, 2GATA School of Medicine, Paediatric Allergy, Ankara, Turkey, 3Güven Hospital, Paediatric Allergy, Ankara, Turkey, 4Hacettepe University School of Medicine, Paediatric Allergy and Asthma Unit, Ankara, Turkey, 5Imperial College London, London, United Kingdom

1353 **Insulin like growth factor-1 (IGF-1) serum level in asthmatic children: do inhaled corticosteroids have a negative effect?**
Abd Al-Aziz A.M.1, Abou El-Ezz A.A.2, El Ghouryoy E.A.3
1National Research Centre, Pediatrics, Cairo, Egypt, 2Faculty of Medicine, Cairo University, Pediatrics, Cairo, Egypt, 3National Research Centre, Clinical and chemical Pathology, Cairo, Egypt
1354 Top-line results from the five-year landmark GRAZAX® Asthma Prevention (GAP) trial in children
Valovirta E.1,2, Cronjäger R.3, Petersen T.H.4, Piotrowska T.5, Andersen J.S.6, Sørensen H.F.6, Klink R.7
1University of Turku, Dept of Lung Disease and Clinical Allergology, Turku, Finland, 2Terveystalo Allergy Clinic, Turku, Finland, 3Hospital of Southern Jutland, Paediatrics Out-Patient Clinic, Aabenraa, Denmark, 4Kolding Hospital, Dept of Paediatrics, Kolding, Denmark, 5NZOZ Promedica, Białystok, Poland, 6ALK, Biometrics Medical Writing, Hørsholm, Denmark, 7Office of Paediatrics and Allergology Pneumo Pédiatric, Laon, France

1355 Dietary intake and allergies in Latin American children: evidence from ISAAC Phase III
Cepeda A.M.1, Thawer A.2, Villalba S.E.1, Jaller R.1, Tapias A.1, Segura A.M.1, Boyle R.J.3, García-Larsen V.2,4, ISAAC Phase III Latin America Group
1Universidad Metropolitana, Barranquilla, Colombia, 2Imperial College London, Respiratory Epidemiology, Occupational Health and Public Health Group, National Heart and Lung Institute, London, United Kingdom, 3Imperial College London, Department of Paediatrics, Faculty of Medicine, London, United Kingdom, 4Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom

1356 Timing of introduction of allergenic foods to the infant diet and risk of allergic and autoimmune diseases: a systematic review and meta-analysis
Ierodiakonou D.1, García-Larsen V.1, Cunha S.1, Groome A.1, Logan A.1, Chivinge J.1, Robinson Z.1, Geoghegan N.1, Jarrold K.1, Reeves T.1, Trivella M.2, Leonard-Bee J.2, Boyle R.1
1Imperial College London, London, United Kingdom, 2University of Oxford, Oxford, United Kingdom, 3University of Nottingham, Nottingham, United Kingdom

1357 Retention of participants in a long-term paediatric trial; experiences from the 5-year placebo-controlled GAP trial
Varga E.-M.1, Ojeda P.2, Halken S.1, de Blic J.4,5, Knecht R.A.6, Berstad A.K.H.7, Roberts G.8,9,10, Winnergård I.11, Eng P.12, Laursen M.K.13, Riis B.13, Valovirta E.14,15
1Medical University of Graz, Dept. of Paediatrics, Graz, Austria, 2Clinica Ojeda of Allergy and Asthma, Madrid, Spain, 3Odense University Hospital, Odense, Denmark, 4Hôpital Universitaire Necker Enfants Malades, Pneumologie et Allergologie Pédiatriques, Paris, France, 5Université Paris Descartes, Paris, France, 6Practice, Bretten, Germany, 7Haukeland University Hospital, Dept. of Occupational Diseases, Section for Allergy, Bergen, Norway, 8University Hospital Southampton NHS Foundation Trust, NIHR Southampton Respiratory Biomedical Research Unit, Southampton, United Kingdom, 9University of Southampton Faculty of Medicine, Human Development in Health & Clinical and Experimental Sciences Academic Units, Southampton, United Kingdom, 10St Mary’s Hospital, David Hide Asthma and Allergy Research Centre, Isle of Wight, United Kingdom, 11Allergimottagningen för barn och ungdomar, Kungsbacka, Sweden, 12Section of Allergy and Pulmonology, Dept. of Pediatrics, Aarau and Lucerne, Switzerland, 13ALK, Global Clinical Development, Hørsholm, Denmark, 14University of Turku, Dept. of Lung Dis. and Clinical Allergology, Turku, Finland, 15Terveystalo Allergy Clinic, Turku, Finland
**Poster Discussion Session (PDS 11)**

**Infections and microbiota in allergy**

**Poster Discussion Zone 1**

**Chairs:** Hermelijn Smits, The Netherlands
Maria Jenmalm, Sweden

### 324 IgA responses to the gut microbiota in infants in relation to allergy development

Dzidic M.1,2,3, Abrahamsson T.4, Collado M.C.3, Björkstén B.5, Mira A.1, Jenmalm M.C.2

1Foundation for the Promotion of Health and Biomedical Research of Valencian Region (FISABIO), Genomics and Health Unit, Valencia, Spain, 2Linköping University, Division of Autoimmunity and Immune Regulation, Department of Clinical and Experimental Medicine, Linköping, Sweden, 3Institute of Agrochemistry and Food Technology, Spanish National Research Council (IATA-CSIC), Department of Biotechnology, Unit of Lactic Acid Bacteria and Probiotics, Valencia, Spain, 4Clinical and Experimental Medicine, Division of Paediatrics, Linköping, Sweden, 5Institute of Environmental Medicine, Karolinska Karolinska Institutet, Stockholm, Sweden

### 325 Lower gut microbiota diversity is associated with higher susceptibility of BALB/c mice to allergic sensitization

Maiga M.A.1, Lepage P.2, Cortes-Perez N.G.1, Adel-Patient K.1, Hazebrouck S.1

1UMR CEA-INRA Service de Pharmacologie et d’Immunoanalyse, UR 496, Laboratoire d’Immuno-Allergie Alimentaire, Gif-Sur-Yvette, France, 2UMR INRA 13 19 MICALIS, Jouy-en-Josas, France

### 326 Decreased microbial conversion of lactic acid into butyrate in infants developing eczema

Wopereis H.1,2, Sim K.3, Shaw A.3, Oozeer R.1, Warner J.O.3, Kroll J.S.3, Knol J.1,2, On behalf of the PATCH investigators.

1Nutricia Research, Utrecht, The Netherlands, 2Wageningen University, Laboratory of Microbiology, Wageningen, The Netherlands, 3Imperial College, Section of Paediatrics, Department of Medicine, London, United Kingdom

### 327 PGE2 released by alveolar epithelial cells protects the pulmonary endothelial barrier integrity

Bärnthaler T.1, Maric J.1, Konya V.1, Lanz I.1, Pflatzer W.1, Schulgiö R.1, Heinemann A.1

1Medical University of Graz, Graz, Austria

### 329 Development of a mouse model of RSV-induced asthma exacerbations

Gaisina A.1, Nikonova A.2, Shilovskiy I.1, Kamishnikov O.1, Khaitov M.1

1National Research Center - Institute of Immunology, Moscow, Russian Federation, 2Mechnikov Research Institute for Vaccines and Sera, Moscow, Russian Federation

### 330 Respiratory syncytial virus up-regulates lung IL-33 expression during allergic pulmonary inflammation

Nikonova A.1,2, Shilovskiy I.1, Gaisina A.1, Komogorova V.1, Litvina M.1, Sharova N.1, Kamishnikov O.1, Mitin A.1, Khaitov M.1

1NRC Institute of Immunology FMBA, Moscow, Russian Federation, 2Mechnikov Research Institute for Vaccines and Sera, Moscow, Russian Federation

### 331 Urinary leukotriene E4 in preschool children with acute rhinovirus wheeze

Kim W.K.1,2, Yoon H.-S.1

1Seoul-Paik Hospital, Inje University, Pediatrics, Seoul, Republic of Korea, 2Seoul-Paik Hospital, Inje University, Allergy & Respiratory Research Laboratory, Seoul, Republic of Korea

### 332 Innate immunity changes in relation to age between atopic and non-atopic subjects

Kokkinou D.1, Georgountzou A.1, Maggina P.1, Taka S.1, Megremis S.2, Roumbedaki E.1, Douladiris N.1, Xepapadaki P.1, Andreakos E.3, Papadopoulos N.G.1,2

1University of Athens, Allergy Dpt, 2nd Pediatric Clinic, Athens, Greece, 2University of Manchester, Institute of Human Development, Manchester, United Kingdom, 3Biomedical Research Foundation of the Academy of Athens, Centre for Immunology and Transplantation, Athens, Greece
Innovations in allergen-specific immunotherapy

Poster Discussion Session (PDS 12)

10:45 – 12:15

Poster Discussion Zone 2

Innovations in allergen-specific immunotherapy

**Chairs:** Stefan Wöhr, Austria
Thomas Kündig, Switzerland

333 Grass pollen subcutaneous immunotherapy results in faster and greater suppression of allergen-induced skin responses compared to sublingual immunotherapy: a randomised controlled trial
Scadding G.1, Calderon M.1, Shamji M.1, Penagos M.1, Elfan A.1, Phippard D.2, Harris K.M.2, Tchao N.2, Lim N.2, Togias A.4, Bahmann H.T.5, Sever M.L.6, Lawson K.5, Durham S.R.6
1Imperial College London, Allergy, London, United Kingdom
2Immune Tolerance Network, Bethesda, United States
3Immune Tolerance Network, UCSF, San Francisco, United States
4National Institute of Allergy and Infectious Diseases, Bethesda, United States
5Rh Federal Systems Division, Chapel Hill, United States

334 Safety of ultra rush subcutaneous immunotherapy using an infusion pump
Uriarte Obando S.1, Sastre Domínguez J.1
1Fundación Jiménez Díaz, Allergy Department, Madrid, Spain

335 Characterization of rBet v 1 produced in CHO cells for an infusion pump
Dioszezgy V.1, Puteaux E.1, Ligouis M.1, Puteaux E.1, T. 1, Iraola V.1, Carnés J.1
1Immunotek S.L., Alcalá de Henares, Spain
2Hospital Clínico San Carlos, Madrid, Spain

336 Allergic sensitization to Cannabis ruderalis: prevalence, clinical and immunologic characteristics, subcutaneous immunotherapy
Astafieva N.1, Kobzev D.2, Gamova I.1, Perfílova I.1, Udovchenko E.1, Michailova I.1
1Saratov State Medical University, Clinical Immunology and Allergology, Saratov, Russian Federation
2Leeds Trinity University, School of Social and Health Sciences, Leeds, United Kingdom

337 Mobile exposure chamber: safety of controlled allergen challenge
Gildemeister J.1, Bergmann K.-C.2, Sehlinger T.1, Zuberbier T.2
1Immunotek S.L., Alcalá de Henares, Spain
2Hospital Clínico San Carlos, Madrid, Spain

338 Gut homing receptors designate epicutaneous immunotherapy as the most appropriate route for the treatment of food allergy in a model of peanut sensitized mice
Dioszezgy V.1, Mondoulet L.1, Pelletier B.1, Wavrin S.1, Puteaux E.1, Ligouis M.1, Dhefft V.1, Plaquet C.1, Dupont C.2, Benhamou P-H.1, Sampson H.2, Dupont C.3, Benhamou P-H.2
1DBV Technologies, Montrouge, France
2DBV Technologies, New York, United States
3Necker Hospital, Paris, France

339 Allergoids of Phleum pratense conjugated with mannan are immunogenic by the sublingual route. A comparative study with native (non-modified) allergens
Soria I.1, Tudela J.I.1, Diez-Rivero C.-M.1, López-Relaño J.2, Cases B.1, Fernández-Calda E.1, Subiza J.-L.1
1Immunotek S.L., Alcalá de Henares, Spain
2Hospital Clínico San Carlos, Madrid, Spain

340 Epicutaneous immunotherapy but not oral immunotherapy prevents eosinophilic infiltration in the esophagus in a model of milk sensitized mice
Mondoulet L.1, Dioszezgy V.1, Puteaux E.1, Ligouis M.1, Dhefft V.1, Plaquet C.1, Sampson H.2, Dupont C.3, Benhamou P-H.1
1DBV Technologies, Montrouge, France
2DBV Technologies, New York, United States
3Necker Hospital, Paris, France

341 Evaluating the suitability of house dust mite raw material for exposure chamber tests
Sehlinger T.1, Gildemeister J.2, Goergen F.1, Zuberbier T.2, Bergmann K.-C.2
1Bluestone Technology GmbH, Woerstadt, Germany
2Charité - Universitätsmedizin Berlin, Allergy-Centre-Charité, Berlin, Germany

342 The “Hub-and-Spoke” approach to large multicenter allergy trials utilizing the mobile environmental exposure chamber system (mEEC): setup and screening for an immunotherapy study conducted in the US Northeast and US Midwest
Salapatek A.M.1, 2, Buck J.1, Nandkeshore H.1, Shields K.1, Patel P.1
1Inflammax Research, Inc., Mississauga, Canada
2Immune Tolerance Network, Bethesda, United States

343 Development of an aptamer-based tool for quality control of a birch pollen immunotherapy vaccine
Asfas L.1, Stolz F.2, Neubauer A.2, Steg Tellner G.2, van Ree R.3, Wallner M.1, Ferreira F.1
1University of Salzburg, Molecular Biology, Salzburg, Austria
2Biomay AG, Vienna Competence Center, Vienna, Austria
3Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands

344 Alternaria alternata depigmented-polymerized extract: biochemical and immunological characterization
Morales M.1, Gallego M.1, Lopez-Matas M.A.1, Moya R.1, Aranda T.1, Inzawa V.1, Carmés J.1
1Laboratorios LETI S.L., R&D Department, Tres Cantos, Spain

345 Safety and efficacy of immunotherapy with mannan-polymerised mite extract in sensitized allergic dogs
Casasovas M.1, González J.L.2, Zalve V.1, Tejera-Alhambra M.2, Guzmán-Fulgencio M.1, Caballero R.1, Fernández-Calda E.1, Subiza J.L.
1Inmunotek S.L., Alcalá de Henares, Spain
2Hospital Clínico Veterinario, Universidad Complutense de Madrid, Madrid, Spain
3Alergove,S.L., Madrid, Spain

346 Comparison of two mite extracts for specific immunotherapy using bronchial provocation testing
Hartmann D.1, Buslau A.1, Herrmann E.2, Schulze J.1, Rosewich M.1, Schubert R.1, Zielen S.1
1University Hospital Frankfurt, Department for Children and Adolescents, Frankfurt, Germany
2University Hospital Frankfurt, Department of Biostatistics, Frankfurt, Germany

Monday, 13 June 2016
**New trends in hymenoptera venom allergy and anaphylaxis**

**Poster Discussion Session (PDS 13)**

**Poster Discussion Zone 3**

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

**Chairs:** Gunter Sturm, Austria
Hanneke Oude Elberink, The Netherlands

347 **Mismatch of history and diagnostic tests in Hymenoptera venom allergic patients**

Erzen R.1, Šilar M.1, Bajrovic N.1, Kopac P.1, Zidarn M.1, Košnik M.1, Korošec P.1

1University Clinic for Pulmonary Diseases and Allergy, Golnik, Slovenia

348 **Molecular recombinant allergens in the diagnosis of hymenoptera venom allergy**

Pro P.1, Florio G.1, Paraggio C.2, Talento B.2, Patella V.1

1Santa Maria della Speranza Hospital, Allergy and Clinical Immunology, ASL Salerno, Battipaglia, Italy, 2Santa Maria della Speranza Hospital, Laboratory Analysis Service, ASL Salerno, Battipaglia, Italy

349 **Novel recombinant IgE and BAT AUC based diagnostic algorithm to dissect bee and wasp allergy**

Selb J.1, Košnik M.1, Šilar M.1, Korošec P.1

1University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia

350 **Severity of systemic sting reactions differs between children and adults**

Arzt L.1, Cichocka-Jarosz E.2, Brzyski P.2, Bokanovic D.1, Schrautzer C.1, Schwarz I.1, Lis G.2, Sturm G.J.1

1Medical University of Graz, Department of Dermatology, Graz, Austria, 2Jagiellonian University Medical College, Department of Pediatrics, Krakow, Poland

351 **C1q-like protein and PVF1 from honeybee venom show IgE-reactivity but do not activate basophils**

Schiener M.1, van Waerenbergh M.2, Ertzold S.1, Eberlein B.2, De Smet L.1, Absmaier M.3, Darsow U.1, Biedermann T.1, Spillner E.4, Ollett M.5,6, Jakob T.1, Schmidt-Weber C.1, de Graaf D.C.2, Blank S.1

1Technical University Munich and Helmholtz Center Munich, Center of Allergy and Environment (ZAUM), Munich, Germany, 2Ghent University, Laboratory of Molecular Entomology and Bee Pathology, Ghent, Belgium, 3Technical University Munich, Department of Dermatology and Allergy Biederstein, Munich, Germany, 4Aarhus University, 4Immunological Engineering, Department of Engineering, Aarhus, Denmark, 5Luxembourg Institute of Health (LIH), Department of Infection and Immunity, Esch-sur-Alzette, Luxembourg, 6University of Southern Denmark, Department of Dermatology and Allergy Center, Odense Research Center of Allergy, Odense, Denmark, 7University of Freiburg, Allergy Research Group, Department of Dermatology, Medical Center, Freiburg, Germany

352 **Expansion of FOXP3-expressing regulatory T cells in beekeepers during the beekeeping season**

Pereira Santos M.C.1, Campos Melo A.1, Caramalho I.1, Pedro E.2, Victorino R.M.1, Pereira Barbosa M.A.2, Sousa A.E.1

1Faculdade de Medicina da Universidade de Lisboa / Instituto de Medicina Molecular, Lisboa, Portugal, 2Faculdade de Medicina da Universidade de Lisboa/Centro Hospitalar Lisboa Norte-Hospital Santa Maria, Clinica Universitária de Imunoalergologia/Serviço de Imunoalergologia, Lisboa, Portugal

353 **Insect’s identification by children treated with venom immunotherapy and their parents**

Cichocka-Jarosz E.1, Brzyski P.2, Krošniak M.2, Kusior M.2, Tomasik T.1, Lis G.1

1Jagiellonian University Medical College, Department of Pediatrics, Krakow, Poland, 2Jagiellonian University Medical College, Krakow, Poland

354 **Intradermal skin test reactivity to wasp and bee venom correlates to venom-specific IgE and decreases during venom-specific immunotherapy**

Saulite I.1,2, Hoetzenecker W.1, Guenova E.1, Schmid-Grendelmeier P.1, Glatz M.1

1University Hospital Zurich, Department of Dermatology, Allergy Unit, Zurich, Switzerland, 2Riga Stradins University, Faculty of Continuing Education, Riga, Latvia

355 **Use of tryptase levels to detect adverse reactions during honeybee venom immunotherapy**

Vega A.1, Alvarez-Twose I.2, Cárdenas R.1, Alonso A.M.1, Beitia J.M.3, Mateo M.B.1

1Hospital Universitario de Guadalajara. GAI Guadalajara, Allergy Section, Guadalajara, Spain, 2Instituto de Estudios de Mastocitosis de Castilla La Mancha. Hospital Virgen del Valle, Toledo, Spain

356 **Cardiovascular medication during venom immunotherapy: still an open question?**

Ciccarelli F.1, Frontini F.1, De Pasquale T.1, D’Alò S.1, Illuminati I.1, Pucci S.1

1University Clinic of Pulmonary Diseases and Allergy, Golnik, Slovenia

357 **Reasons for declining venom immunotherapy: the how’s and the whys**

Carneiro-Leão L.1, Amaral L.1, Coimbra A.1

1Centro Hospitalar de São João, Serviço de Imunoalergologia, Porto, Portugal

358 **Immunological factors associated with VIT treatment failure due to SSR and the influence of omalizumab treatment**

Kopac P.1, Šilar M.1, Zidarn M.1, Bajrovic N.1, Erzen R.1, Košnik M.1, Korošec P.1

1University Clinic of Pulmonary and Allergic Diseases Golnik, Golnik, Slovenia

359 **Anaphylaxis caused by mosquito allergy in systemic mastocytosis: a causal relationship**

Sarre M.E.1, Lavigne C.2, Beauvillain C.3, Renier G.2, Drouet M.1

1Angers University Hospital, Allergology, Angers, France, 2Angers University Hospital, Internal Medicine, Angers, France, 3Angers University Hospital, Immunology and Allergology Laboratory, Angers, France
**In vitro uptake of α-Gal containing protein by human monocyte derived dendritic cells**

Tran T.A.T., Grundström J., Kristic M.1,2, Vukojević V., Apostolovic D., Hamsten C., Gafvelin G., van Hage M.

1 Karolinska Institutet, Department of Medicine Solna, Immunology and Allergy Unit, Stockholm, Sweden, 2 University of Belgrade, Faculty of Chemistry, Center of Excellence in Molecular Food Science, Belgrade, Serbia

**Diagnostic utility of lip dose challenges for diagnosis of food allergy: a prospective study**

Ludman S.1, Aston A.2, Nolmark L.1, Turner P.2, Vazquez-Ortiz M.4

1 Royal Devon and Exeter NHS Foundation Trust, Paediatric Allergy, Exeter, United Kingdom, 2 St Mary’s Hospital NHS Trust, Paediatric Allergy, London, United Kingdom, 3 Royal London Hospital, Barts Health NHS Trust, Paediatric Allergy, London, United Kingdom, 4 Imperial College London, Section of Paediatrics, London, United Kingdom

**Lip dose challenges: practice and perceptions in the United Kingdom**

Ludman S.1, Vazquez-Ortiz M.2, Aston A.3, Turner P.7

1 Royal Devon and Exeter NHS Foundation Trust, Paediatric Allergy, Exeter, United Kingdom, 2 Imperial College London, Section of Paediatrics, London, United Kingdom, 3 St Mary’s Hospital NHS Trust, Paediatric Allergy, London, United Kingdom

**Determining eligibility to possible peanut oral immune therapy trial: the importance of oral food challenge**

Reimer-Nilsen T.1, Michelsen M.M.1,2, Carlsen K.H.1,2, Mowinckel P.1,2, Nygaard U.C.3, Namork E.3, Borres M.4, Håland G.1,2

1 Oslo University Hospital, Department of Pediatrics, Oslo, Norway, 2 University of Oslo, Institute of Clinical Medicine, Oslo, Norway, 3 Norwegian Institute of Public Health, Division of Environmental Medicine, Oslo, Norway, 4 Thermo Fisher Scientific, Uppsala, Sweden

**A human mast cell activation test for peanut allergy**

Bahri R.1, Tsounami M.2, Sayers R.2, Weimann A.3, Custovic A.1, Mills C.4, Bulkne-Paus S.2

1 University of Manchester, Manchester, United Kingdom, 2 University of Manchester, Institute of Inflammation and Repair, Manchester, United Kingdom, 3 Euroimmun, Lubeck, Germany, 4 University of Manchester, Manchester Institute of Biotechnology, Manchester, United Kingdom

**Developing a real-time reporting system for food allergic consumers in Europe: a novel community-based Allergic REACTIONS (AlleReACT) intervention**

Pyrz K.1, Austin M.2, Boloh Y.1, Couch P.4, Galloway D.3, Hernández Sacristán M.P.2, O’B. Hourihane J.1, Kenna F.3, Kowalski M.1, Majewska-Wojciechowska B.7, Mills C.4, Munro C.4, Regent L.1, Themis M.4, Schnadt S.5, Semic Jusufagić A.1, Simpson A.4, Dunn-Galvin A.1, Ebo D.G.1,2

1 University College Cork, Cork, Ireland, 2 Anaphylaxis Campaign, Hampshire, United Kingdom, 3 La Prévention des Allergies, Association Française pour la Prévention des Allergies (AFPRAL), Paris, France, 4 University of Manchester, Manchester, United Kingdom, 5 Anaphylaxis Ireland, Dublin, Ireland, 6 Asociación Española de Personas con Allergia a Alimentos y Látxe (AEAPNA), Madrid, Spain, 7 Medical University of Lodz, Łódź, Poland, 8 Deutscher Allergie- und Asthmabund e.V. (DAAB), Mönchengladbach, Germany
Allergic reactions in the community: collecting evidence in near real time
1University of Manchester, Manchester, United Kingdom, 2University College Cork, Cork, Ireland, 3Anaphylaxis Campaign, Hampshire, United Kingdom, 4Anaphylaxis Ireland, Cork, Ireland, 5UHSM, Respiratory and Allergy Clinical Research Facility, Manchester, United Kingdom

Diagnosis and management of food induced anaphylaxis: a national survey of Russian physicians
Munblit D., Treneva M., Korsunskiy I., Pampura A.,
1Imperial College London, London, United Kingdom, 2International Inflammation (in-FLAME) Network of the World Universities Network, London, United Kingdom, 3Veltischev Clinical Pediatric Research Institute of Pirogov Russian National Research Medical University, Allergy Department, Moscow, Russian Federation, 4Children’s City Hospital №9, Moscow, Russian Federation

Cardiac haemodynamic changes during acute IgE-mediated peanut allergic reactions in man
Ruiz Garcia M., Belgrave D., Clark A., Skypala I., Durham S., Turner P.J., Boyle R.J.,
1Imperial College London, London, United Kingdom, 2Addenbrooke’s Hospital, Paediatric Allergy, Cambridge, United Kingdom, 3National Heart and Lung Institute, Imperial College London and Royal Brompton Hospital, London, United Kingdom

Clinical presentation of cashew nut allergy in a paediatric cohort attending an allergy clinic in the West of Ireland
Crealey M., Alamin S., Tormey V., Moylett E.,
1Galway University Hospital, Paediatrics, Galway, Ireland, 2Galway University Hospital, Immunology, Galway, Ireland

Identification of risk factors and biomarkers for severity of food allergy
Datema M.R., Fernández-Rivas M., Zwinderman A.H., Mills C., van Ree R., EuroPrevall & iFAAM Consortia
1Academic Medical Centre, University of Amsterdam, Experimental Immunology, Amsterdam, Netherlands, 2Hospital Clinico San Carlos, IDISeA, Allergy Department, Madrid, Spain, 3Academic Medical Centre, University of Amsterdam, Clinical Epidemiology, Biostatistics and Bioinformatics, Amsterdam, Netherlands, 4Manchester Institute of Biotechnology, University of Manchester, Institute of Inflammation and Repair, Manchester, United Kingdom, 5Academic Medical Centre, University of Amsterdam, Otorhinolaryngology, Amsterdam, Netherlands

Global knowledge and perceptions of food allergy thresholds in 16 countries
1Food Allergy Research and Education, Inc., New York, United States, 2Food Allergy Canada (formerly Anaphylaxis Canada), Toronto, Canada, 3Northwestern University Feinberg School of Medicine, Chicago, United States, 4Northern Illinois University, Department of Public Health, DeKalb, United States, 5Chapin Hall of the University of Chicago, Chicago, United States, 6Division of Allergy and Clinical Immunology, Hamilton, United States, 7Prince of Wales School of Medicine at Mount Sinai, New York, United States, 8Philéas Info, St Mars d’Outillé, France, 9Anaphylaxis Campaign, Farnborough, United Kingdom, 10Allergy & Anaphylaxis Australia, Castle Hill, Australia, 11Deutscher Allergie- und Asthmabund e.V. (DAAB), Münchenladbach, Germany, 12The Royal Children’s Hospital, Centre of Food and Allergy Research, Murdoch Children’s Research Institute, Melbourne, Australia, 13The Royal Children’s Hospital, University of Melbourne, Department of Allergy and Clinical Immunology, Department of Gastroenterology and Clinical Nutrition, Department of Paediatrics, Melbourne, Australia, 14University of Manchester, Institute of Inflammation and Repair, Manchester, United Kingdom, 15University of Padua, Department of Pediatrics, Padua, Italy, 16University of Nebraska, Food Allergy Research & Resource Program (FARRP), Lincoln, United States, 17Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, United States

Business Meeting (BM 9) 12:25 – 13:35

Business Meeting (BM 10) 12:25 – 13:35
Business Meeting (BM 11) 12:25 – 13:35

Asthma Section – Open to all attendees
Lehar 2
Severe asthma, current management and research questions
Mina Gaga, Greece

Business Meeting (BM 12) 12:25 – 13:35

ENT Section – Open to all attendees
Lehar 3
NOSE-OMICS: Using emerging technologies to identify novel solutions to complex problems
Martin Desrosiers, Canada

Pro & Con (P & C 3) 12:30 – 13:00

An elimination diet is a more effective diagnostic tool in Eosinophilic Esophagitis than an elemental diet
Pro & Con Arena

Chair: Antonella Cianferoni, United States

PRO
Carina Venter, United Kingdom

CON
Berber Vlieg-Boerstra, The Netherlands

Pro & Con (P & C 4) 13:00 – 13:30

BAT adds to serology in the diagnosis of protein allergies
Pro & Con Arena

Chair: Mohamed Shamji, United Kingdom

PRO
Hans-Jürgen Hoffmann, Denmark

CON
Oliver Hausmann, Switzerland

Symposium (SYM 25) 13:45 – 15:15

Optimal allergy diagnosis: Combining serological and cellular tests
Hall A1

Chairs:
Edward Knol, The Netherlands
Hans-Jürgen Hoffmann, Denmark

Cellular tests can predict AIT success in adult grass allergy
Johannes Schmid, Denmark

Optimising pediatric food allergy diagnostics
Alexandra Santos, United Kingdom

Choosing the right test for allergy diagnosis
Cathy van Rooyen, South Africa

Symposium (SYM 26) 13:45 – 15:15

Occupational respiratory allergy: From biological exposures to molecular diagnosis
Hall B2

Chairs:
Jolanta Walusiak-Skorupa, Poland
Santiago Quirce, Spain

Bio-aerosol exposure at different workplaces: Impact on health
Monika Raulf, Germany

Specific inhalation challenges in the diagnosis of occupational asthma
Olivier Vandenplas, Belgium

Molecular diagnosis in occupational allergy
Joaquin Sastre, Spain
Symposium (SYM 27) 13:45 – 15:15

The burden of food allergy in children Strauss 1+2

Chairs: Isabel Skypala, United Kingdom
Susanne Lau, Germany

Failure to reintroduce foods after a negative food challenge
Nicolette de Jong, The Netherlands

Quality of life in children with non-IgE-mediated food hypersensitivity
Neil Shah, United Kingdom

Growth comparison in children with and without allergy
Marion Groetch, United States

Symposium (SYM 28) 13:45 – 15:15

Exercise-induced anaphylaxis: State of the art Strauss 3

Chairs: Luis Delgado, Portugal
Victoria Cardona, Spain

Overview of current pathogenesis theories
Stefano Del Giacco, Italy

Food-dependent exercise-induced anaphylaxis
Marcin Kurowski, Poland

Co-factors in exercise-induced anaphylaxis
Morton Juncker Christensen, Denmark

Symposium (SYM 29) 13:45 – 15:15

Severe skin drug reactions Lehar 3

Chairs: Knut Brockow, Germany
Ana Giménez-Arnau, Spain

Epidemiology (REGISCAR)
Maja Mockenhaupt, Germany

Immunologic mechanisms
Dean Naisbitt, United Kingdom

Diagnosis
Annick Barbaud, France

Workshop (WS 5) 13:45 – 15:15

The allergic child in daily practice Stolz 1

Chairs: George du Toit, United Kingdom
Ulrich Wahn, Germany

Vaccinating the allergic child
Lennart Nilsson, Sweden

Pitfalls in skin management
Charlotte G. Mortz, Denmark

Nutritional management of the food allergic child
Kate Grimshaw, United Kingdom

Sister Society Symposium (SSS 4) 13:45 – 15:15

APAPARI: Primary prevention of allergies: The need to understand the roles of environment and genetics in the pathogenesis of allergies Lehar 4

Chairs: Motohiro Ebisawa, Japan
Gary Wong, Hong Kong, China

Development of asthma: The role of genes and the environment
Adnan Custovic, United Kingdom

The role of probiotics as prophylactic treatment for eczema
Jiu-Yao Wang, Taiwan

The role of chitotriosidase in allergic inflammation
Myung Hyun Sohn, Republic of Korea
Junior Members (JMs) 13:45 – 15:15

JM Educational Session Stolz 2
Chairs: Olympia Tsilochristou, United Kingdom
        Nino Lomidze, Georgia
Using the internet to improve our research
Jan Lötvall, Sweden
Initiating and leading international collaborations in allergy
Nikos Papadopoulos, Greece
Writing as an author and reading as a reviewer: A good combination for high quality articles
Cristoforo Incorvaia, Italy
An oral presentation is not only reciting a speech
Moises Calderon, United Kingdom

Year in Review (YIR 3) 13:45 – 15:15

ENT: Precision medicine in upper airways disease Hall A3
Chairs: Cemal Cingi, Turkey
        Carmen Rondon, Spain
Rhinitis
Verena Niederberger, Austria
Rhinosinusitis
Joaquim Mullol, Spain
Application of biological in treatment of upper airway diseases
Claus Bachert, Belgium

Practical Allergy Management Workshop (PAMW 1) 13:45 – 15:15

Diagnosis and treatment: Implementing EAACI Guidelines Lehar 1
Chairs: Frans Timmermans, The Netherlands
        Peter Hellings, Belgium
The need for harmonised guidelines for diagnosis and treatment
Antonella Muraro, Italy
What can we learn from the European Network GA²LEN in advancing improved diagnostic and patient care?
Torsten Zuberbier, Germany
What can we learn from the US experience in setting up a clinical network in advancing improved diagnostic and patient care?
Jim Baker, United States
Group/panel discussion: Unite and collaborate or go it alone?
Addressing patient needs and ensuring better diagnostics, training, preparedness and epinephrine access
Oral Abstract Session (OAS 14)

Immune mechanisms in drug allergy

Chairs: Cristobalina Mayorga, Spain
Jean-Christoph Caubet, Switzerland

Session roadmap
Cristobalina Mayorga, Spain

79 Immunological features of accelerated amoxicillin/clavulanic-acid (AMX/CLV) hypersensitivity reactions in children
Mori F.1, Fili L.2, Barni S.1, Sarti L.1, Parronchi P.2, Novembre E.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

80 Dynamics of plasma levels of specific IgE in chlorhexidine allergic patients with and without accidental re-exposure
Opstrup M.S.1,2, Poulsen L.K.2, Malling H.-J.2, Jensen B.M.2, Garvey L.H.2
1National Allergy Research Centre, Hellerup, Denmark, 2Danish Anaesthesia Allergy Centre, Allergy Clinic, Hellerup, Denmark

81 Neutrophil activation in systemic anaphylaxis: results from the multicentric NASA study
de Chaisemartin L.1,2, Jönsson F.3,4, Granger V.1,2, Gouel-Chéron A.3,4,5, Neukirch C.6,7, Nicaise-Roland P.1, Gillis C.3,4, Dib F.8,9, Tubach F.8,9, Longrois D.3,10, Bruhns P.3,4, Chollet-Martin S.1,2, NASA Study Group

82 Basal serum tryptase is not a risk factor for immediate type drug hypersensitivity during childhood
Cavkaytar O.1, Karaatmaca B.1, Arik Yilmaz E.1, Sahiner U.M.1, Sackesen C.1,2, Sekerel B.E.1, Soyer O.1
1Hacettepe University School of Medicine, Department of Pediatric Allergy, Ankara, Turkey, 2Koc University School of Medicine, Department of Pediatric Allergy, Istanbul, Turkey

83 Negativization of clavulanic acid IgE recognition
Fernández T.D.1, Mayorga C.1,2, Barbero N.3,4, Montañez M.I.1, Salas M.2, Barrionuevo E.2, Ariza A.1, Molina A.1, Sanchez M.I.2, Torres M.J.2
1IBIMA-Regional University Hospital of Malaga-UMA, Research Unit for Allergic Diseases, Málaga, Spain, 2IBIMA-Regional University Hospital of Malaga-UMA, Allergy Unit, Málaga, Spain, 3BIONAND-Andalusian Centre for Nanomedicine and Biotechnology, Málaga, Spain, 4IBIMA, University of Málaga, Department of Organic Chemistry, Málaga, Spain

84 T cell response to infliximab in treated patients who develop anti-drug antibodies
Vulfaggio A.1, Nencini F.1, Pratesi S.2, Zanieri F.2, Maggi E.2, Matucci A.1, on behalf of ABIRISK Consortium
1AOU Careggi, Florence, Italy, 2University of Florence, Florence, Italy
**Oral Abstract Session (OAS 15)**

**Novel clinical features of allergen-specific immunotherapy**

**Schubert 4-6**

**Chairs:** Lars Jacobsen, Denmark  
Norbert Reider, Austria

**Session roadmap**  
Lars Jacobsen, Denmark  

**85** Evaluation of the safety and efficacy of oral immunotherapy with transgenic rice containing major T cell epitopes of Japanese cedar pollen allergens  
*Saito S.¹, Akiyama N.¹, Asaka D.², Endo T.², Takaiwa F.³*  
¹Jikei University School of Medicine, Division of Molecular Immunology, Research Center for Medical Science, Tokyo, Japan  
²Jikei University School of Medicine, Department of Otorhinolaryngology, Tokyo, Japan  
³National Institute of Agrobiological Sciences, Transgenic Crop Research and Development Center, Tsukuba, Japan

**86** Treatment with the SQ house dust mite (HDM) SLIT-tablet improves sleep related parameters in subjects with HDM allergic rhinitis and allergic asthma  
*Scadding G.K.¹, Rehm D.², Ljørring C.², Sørensen H.F.², Worm M.³*  
¹Royal National Throat, Nose and Ear Hospital, London, United Kingdom  
²ALK, Hørsholm, Denmark  
³Charité Universitätsmedizin, Berlin, Germany

**87** Phase III trial with allergen specific sublingual immunotherapy in birch allergic patients: Significant and clinical relevant reduction of the combined symptom and medication score  
*Pfaar O.¹, Kuna P.², Panzner P.², Džupinová M.³, Klimek L.¹, van Nimwegen M.³, Boot D.³, de Kam P.-J.³, Bachert C.⁶*  
¹Center for Rhinology and Allergology, Westend, Outpatient Clinic Hanf, Ackermann & Kleine-Tebbe, Berlin, Germany  
²Global Research & Development, ALK, Hørsholm, Denmark  
³USTAV IMUNOLÓGIE A ALERGOLOGIE, Plzen, Czech Republic  
⁴ALIAN s.r.o. Ambulancia Alergológie a Klinicke Imunológie, Bardejov, Slovakia  
⁵HAL Allergy BV, Medical Department, Leiden, The Netherlands  
⁶University of Ghent, Clinical Trial Center, Upper Airways Research Laboratory, Ghent, Belgium

**88** Sleep disorders in patients with house dust mite respiratory allergy initiating sublingual immunotherapy. The MORPHEE study  
*Pigearias B.¹, De la Giclais B.², Leger D.³, Bonnefoy B.⁴, Chartier A.³*  
¹Pneumologue, Nice, France  
²Centre du Sommeil d’Annecy-Aragnay, Pathologie du Sommeil, Aragnay-Annecy, France  
³Centre du Sommeil et de la Vigilance, APHP de l’Hôtel Dieu, Paris, France  
⁴Allergologue, Saint-Lô, France  
⁵ALK-Abelló, Directeur Médical, Courbevoie, France

**89** Compliance with the treatment of patients on immunotherapy with inhaled allergens  
*Rezelj M.P.¹, Košnik M.¹*  
¹University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia

**90** Robust dose-dependence in immunological responses induced by SQ house dust mite SLIT-tablet  
*Kleine-Tebbe J.¹, Grønager P.M.², Stranzl T.², Smith I.M.², Cardona V.²*  
¹Allergy and Asthma Center, Westend, Outpatient Clinic Hanf, Ackermann & Kleine-Tebbe, Berlin, Germany  
²Global Research & Development, ALK, Hørsholm, Denmark  
³Allergy Section, Department of Internal Medicine, Hospital Universitari Vall d’Hebron, Barcelona, Spain
Late Breaking Oral Abstract Session (LB OAS 3) 13:45 – 15:15

Molecular allergology

**Session roadmap**

**1358** Crystal structure of Pla l 1 unravels an Ole e 1-like fold visualising allergenic divergence within one allergen family
Stemeseder T.1, Freier R.1, Wildner S.2, Fuchs J.E.3, Briza P.1, Lang R.4, Batanero E.5, Lidholm J.6, Liedl K.R.3, Campo P.7, Hawranek T.4, Villalba M.5, Brandstetter H.1,2, Ferreira F.1, Gadermaier G.1,2
1University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 2University of Salzburg, Christian Doppler Laboratory for Biosimilar Characterization, Salzburg, Austria, 3University of Innsbruck, Center for Molecular Biosciences, Innsbruck, Austria, 4Paracelsus Medical University of Salzburg, Department of Dermatology, Salzburg, Austria, 5Universidad Complutense de Madrid, Dpto Bioquimica y Biologia Molecular I, Madrid, Spain, 6Thermo Fisher Scientific, Uppsala, Sweden, 7Malaga Regional University Hospital-IBIMA, UGC Allergy, Malaga, Spain

**1359** Profiling of IgE reactive components from the weed Parthenium hysterophorus
Pablos Ocampo I.M.1, Eichhorn S.1, Briza P.1, Asam C.1, Wolf M.1, Ebner C.2, Arora N.3, Vieths S.4, Gadermaier G.1, Ferreira F.1
1University of Salzburg, Molecular Biology, Division of Allergy and Immunology, 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 Allergy, Langen, Germany

**1360** Thaumatin-like proteins from unusual sources: structure determination and potential cross-reactivity with plant-food allergens
Eder M.1, Wortmann J.1, Resch Y.2, Bublin M.2, Vrtala S.2, Brei eteneder H.1, Keller W.1
1University of Graz, Inst. of Molecular Biosciences, Graz, Austria, 2Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria

**1361** Tropomyosin variants from the mosquito Aedes aegypti and the house dust mite Dermatophagoides pteronyssinus cross-react
Cantillo J.F.1,2,3, Puerta L.4, Fernandez-Caldas E.2, Subiza J.L.2, Wöhrl S.5, Ebner C.6, Keller W.7, Resch Y.8, Vrtala S.8, Bohle B.6
1Complutense University of Madrid, Madrid, Spain, 2Inmunotek S.L., Alcala de Henares, Spain, 3Institute for Immunological Research, University of Cartagena, Cartagena, Colombia, 4Institute for Immunological Research, University of Cartagena., Cartagena, Colombia, 5Floridsdorf Allergy Center (FAZ), Vienna, Austria, 6Allergie-Ambulatorium Reumannplatz, Vienna, Austria, 7Karl Franzens University of Graz, Division of Structural Biology, Institute of Molecular Biophysics, Graz, Austria, 8Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria

**1362** A novel allergen in Lupinus albus: identification and characterisation of profilin
Karstedt A.1, Kull S.1, Warneke D.1, Treudler R.2, Knulst A.C.3, Becker W.-M.1, Jappe U.1,4
1Research Center Borstel, Member of the German Center for Lung Research (DZL), Division of Clinical and Molecular Allergology, Borstel, Germany, 2University of Leipzig, Dept. of Dermatology, Venerology and Allergology, Leipzig, Germany, 3University Medical Center Utrecht, Division Internal Medicine and Dermatology, MS Dermatologie/Allergologie, Utrecht, Netherlands, 4University of Lübeck, Interdisciplinary Allergy Outpatient Clinic, Lübeck, Germany

**1363** Expression and comparative analyses of anti-IgE single domain and single chain antibody formats
Plum M.1, Mølgaard B.1, Jabs F.2, Miehe M.2, 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
Diagnosis and treatment of urticaria

Chair: Frank Siebenhaar, Germany

360 The role of component resolved diagnostics for assessing hidden allergen of acute idiopathic urticaria in childhood

Oh J.W., Choi Y.-J., Chang Y.-S.

1Hanyang University Guri Hospital, Pediatrics, Guri, Republic of Korea

361 Urticaria and gliadin allergy


1Hospital Clinic de Barcelona, Universitat de Barcelona, Allergy Unit, Pneumology and Allergy Department, Barcelona, Spain, 2Hospital Clinic de Barcelona, Universitat de Barcelona, Immunology Department, Barcelona, Spain

362 Immune responses to the cat flea allergen Cte f 2 in humans with papular urticaria

Sabeqal P., Zakzuk J., Mercado D., Lozano A., Caraballo L., Garcia E.

1University of Cartagena, Institute for Immunological Research, Cartagena, Colombia, 2Fundacion Santa Fe de Bogotá, Allergy and Dermatology, Bogotá, Colombia

363 Indirect basophil activation test in the diagnostic work-up of chronic urticaria


1Foundation IRCCS Policlinico San Matteo, Pavia, Italy, 2San Paolo Hospital, Milano, Italy, 3CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France, 4Sorbonne Universités, UPMC Paris 06, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France, 5CHRU de Montpellier, Montpellier, France

364 A broad patient directed online survey reveals high burden of chronic urticaria and under treatment in a real life setting

Maurer M., Staubach P., Raap U., Richter-Huhn G., Maurer M.

1Charité - Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany, 2Hannover Medical School, Department of Dermatology and Allergy, Hannover, Germany, 3University Hospital Mainz, Department of Dermatology, Mainz, Germany, 4Praxis für Hautkrankeiten, Dresden, Germany, 5Novartis Pharma AG, Basel, Switzerland, 6Novartis Pharma GmbH, Nuremberg, Germany

365 Prevalence and severity of urticaria in South Korea based on national health insurance data

Seo J.H., Kwon J.W.

1Kangwon National University Hospital, Department of Internal Medicine, Chunchon-Si, Republic of Korea, 2Kangwon National University School of Medicine, Division of Allergy and Clinical Immunology, Chunchon, Republic of Korea

366 Prevalence and risk factor of urticaria, focusing on the chronic type in children – population based cross-sectional study


1CHA Bundang Medical Center, CHA University School of Medicine, Seongnam, Republic of Korea, 2Hallym University Dongtan Sacred Heart Hospital, Hallym University College of Medicine, Hwaseong, Republic of Korea, 3Myonji Hospital, Seonam University College of Medicine, Goyang, Republic of Korea, 4CHA Gumi Medical Center, CHA University School of Medicine, Gumi, Republic of Korea, 5CHA Gangnam Medical Center, CHA University School of Medicine, Seoul, Republic of Korea

367 Hospital compared to private practice dermatologist treatment of chronic spontaneous urticaria: baseline characteristics and treatment patterns from the German AWARE (A World-wide Antihistamine-Refractory Chronic Urticaria Patient Evaluation) study

Maurer M., Raap U., Staubach P., Richter-Huhn G., Chauouche K., Chapman-Rothe N.

1Charité - Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany, 2Hannover Medical School, Department of Dermatology and Allergy, Hannover, Germany, 3University Hospital Mainz, Department of Dermatology, Mainz, Germany, 4Praxis for Hautkrankeiten, Dresden, Germany, 5Novartis Pharma AG, Basel, Switzerland, 6Novartis Pharma GmbH, Nuremberg, Germany
371 Predictors of omalizumab response in chronic spontaneous urticaria
Marcelino J.1, Costa A.C.1, Aguiar P.2, Pereira Barbosa M.1
1Immunol allergology University, Hospital Santa Maria, Lisbon Academic Medical Center, CHLN, Lisbon, Portugal, 2Public Health Research Center, National School of Public Health, Universidade Nova de Lisboa, Lisbon, Portugal

372 Treatment response to omalizumab in patients with refractory chronic spontaneous urticaria: single-institution retrospective analysis
Syriou E.1, Vasiliou M.2, Grapsa D.3, Zande M.1, Sinaniotis A.1, Filopoulou A.3, Syrigos K.3
1Allergy Department, “Sotiria” General Hospital, Athens, Greece, 2GPP “Sotiria” General Hospital, University of Athens, Medical School, GPP “Sotiria”, Athens, Greece, 3GPP “Sotiria” General Hospital, University of Athens, Medical School, Athens, Greece

373 Omalizumab in chronic spontaneous urticaria. Can individual response drive therapeutic approach?
Paraskevopoulos G.D.1, Gkavogiannakis N.1, Kalogiros L.A.1
1401 General Military Hospital, Allergology and Clinical Immunology Dpt., Athens, Greece

374 Omalizumab in adult patients with refractory chronic idiopathic urticaria: real-life outcomes
Dursun A.B.1, Pasaoğlu Karakis G.2, Ayhan V.1
1Recep Tayyip Erdogan University School of Medicine, Division of Immunology and Allergic Diseases, Rize, Turkey, 2Memorial Hospital, Istanbul, Turkey

**Poster Discussion Session (PDS 15)**
**13:45 – 15:15**

**Molecular diagnosis for airborne allergens**

**Poster Discussion Zone 2**

**Chairs:** Riccardo Asero, Italy
Marianne van Hage, Sweden

375 Carbohydrate composition of house dust mite allergens and its relevance for IgE binding
Augustin S.1, Pump L.1, Wald M.1, Eichhorn T.2, Fischer F.2, Willers C.1
1Allergopharma GmbH & Co. KG, Reinebeck, Germany, 2Merck KGaA, SO-Analyses, Darmstadt, Germany

376 The challenge towards discrimination of clinical symptoms by component-resolved diagnosis using a repertoire of recombinant house dust mite allergens
El RamoLawy K.G.1, Fujimura T.1, Sumida G.1, Murakami R.2, Tanaka A.2, Hayashi T.1, Aki T.3, Ono K.3, Kawamoto S.1
1Hiroshima University, Graduate School of Advanced Sciences of Matter, Hiroshima, Japan, 2Minia University, Faculty of Science, Department of Zoology, Minia, Egypt, 3Showa University, Department of Medicine, Tokyo, Japan

377 Comparing methods for collection of nasal secretions
Berinos M.1, Arasi S.2, De Ruyck N.1, Holtappels G.1, Valenta R.3, Matricardi P.1, Bachert C.1, Gevaert P.1
1Upper Airway Research Laboratory, Ghent University, Ghent, Belgium, 2Charité Medical School, Department of Pediatric Pneumology and Immunology, Berlin, Germany, 3Institute of General and Experimental Pathology, University of Vienna, Vienna, Austria, 4Division of ENT Diseases, Clincet, Karolinska Institutet, Stockholm, Sweden

378 Search for Lep d 2 reactivity – a tool for optimizing specific immunotherapy decision
Semedo F.M.1,2, Tomaz E.1, Pires A.P.1, Pineda F.3, Inácio F.1
1Hospital São Bernardo - Centro Hospitalar de Setúbal, Immunology and Allergy, Setúbal, Portugal, 2Faculdade de Ciências da Saúde, Universidade da Beira Interior, 3º Ciclo de Estudos em Medicina, Covilhã, Portugal, 3Diater Laboratorios, S.A., Madrid, Spain

379 Utilization of recombinant Periplaneta americana allergens for component resolved diagnosis of cockroach allergy
Wangorsch A.1, Jamain A.1, Briza P.2, Arora N.3, Eichhorn S.2, Pablos I.2, Lidholm J.4, Ferreira F.2, Gadermaier G.2, Viets S.3, Scheurer S.1
1Paul-Ehrlich-Institut, Molecular Allergology, Langen, Germany, 2University of Salzburg, Department of Molecular Biology, Division of Allergy and Immunology, Salzburg, Austria, 3CSIR-Institute of Genomic and Integrative Biology, Delhi, India, 4Thermo Fisher Scientific, Uppsala, Sweden

380 Assessment of dog allergen molecules in the diagnosis of dog allergy in children
Käck U.1, Asarnoj A.1, Binnmyr J.1, Borres M.2, Grönlund H.1, van Hage M.1, Lilja G.1, Konradsen J.1
1Karolinska Institutet, Stockholm, Sweden, 2Uppsala University, Uppsala, Sweden

381 The measure of specific IgE to furry animals extracts is not useful for genuine sensitization diagnosis in the youngest atopic children. The fundamental role of component resolved diagnostics (CRD)
Blazowski L.1,2, Kurzawa R.1
1National Research Institute for Tuberculosis and Lung Diseases - Rabka Branch, Allergy and Pulmonary Medicine Department, Rabka Zdroj, Poland, 2Specialist Hospital, Pediatric and Allergology Department, Jaslo, Poland, 3Rzeszów University, Faculty of Medicine, Rzeszów, Poland

382 Asp f 2, Asp f 4 and Asp f 6 but not Asp f 1 may help discriminating between A. fumigatus sensitization and ABPA in CF and asthmatic patients
Romain T.1, Saidi A.1, Cleach I.1, Mége J.-L.1,2, Vitte J.1,2
1Assistance Publique Hôpitaux de Marseille, Laboratoire d’Immunologie, Marseille, France, 2Aix-Marseille University, Marseille Faculty of Medicine, Marseille, France

383 Purified polcalcin skin prick tests. Stability study by in vitro analysis
Moya R.1, López-Matas M.A.1, Reyes R.1, Calzada D.1, Carnés J.1
1Laboratorios LETI S.L., R&D Department, Tres Cantos (Madrid), Spain
384 **Predicting “true” olive tree pollen allergy**
Kong Cardoso B.1, Tomaz E.1, Pires A.P.1, Matos E.1, Inácio F.1
1Centro Hospitalar de Setúbal - Hospital de S. Bernardo, Imunologia e Gastroenterologia, Setúbal, Portugal

385 **Ultra structural orbicules released in ash (Fraxinus excelsior) pollen grains and their possible role in allergic respiratory**
Sharifshouhtari M.1, Majd A.2, Moin M.3, Nejadssattari T.4, Pourpaz Z.5, Khademi R.5, Kardar G.A.5
1Science and Research Branch, Islamic Azad University, Department of Biology, Tehran, Iran, Islamic Republic of, 2Islamic Azad University, North Tehran Branch, Tehran, Iran, Islamic Republic of, 3Immunology, Asthma and Allergy Research Institute, Tehran, Iran, Islamic Republic of

386 **Sensitization profiles on allergic patients in the area of Aragón (Spain)**
Morales Gavilán M.1, Segura Arazuri N.1, Colás Sánz C.1, De la Torre Martínez F.2, Jimeno Nogales L.3, Aragón Allergy Society - ALERGOARAGON
1Hospital Universitario Lozano Blesa, Allergy, Zaragoza, Spain, 2ALK- Abelló (Spain), Medical Advisor, Madrid, Spain, 3ALK- Abelló (Spain), R&D, Madrid, Spain

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**Risk factors and prevention of allergic diseases**

**Poster Discussion Session (PDS 16) 13:45 – 15:15**

**Poster Discussion Zone 3**

**Risk factors and prevention of allergic diseases**

**Chairs:** George Konstantinou, Greece
Alberto Alvarez Perea, Spain

387 **Impact of vitamin D and vitamin D-binding protein on the respiratory health of children**
Francois H.1,2, Annessi-Maesano I.3, Maesano C.3, Horo K.1, Toloba Y.1, Dupré T.1, Caillaud D.1
1CHU Gabriel Montpied, Pneumologie, Clermont-Ferrand, France, 2Université d’Auvergne, Clermont-Ferrand, France, 3Épidemiology of Allergic and Respiratory Diseases (EPAR), Paris, France, 4Hôpital Bichât-Claude Bernard, Laboratoire de Biochimie, Paris, France

388 **The frequency of HLA genes associated with celiac disease in Han populations from Jiangxi province in southern China**
Yuan J.1,2, Zhou C.1, Gao J.3, Chen H.1,4
1Nanchang University, State Key Laboratory of Food Science and Technology, Nanchang, China, 2Nanchang University, School of Pharmaceutical Science, Nanchang, China, 3Nanchang University, School of Food & Science Technology, Nanchang, China, 4Nanchang University, Sino-German Joint Research Institute, Nanchang, China

389 **Studies on the association of gene polymorphisms and positive SPT in the Lithuanian birth cohort**
Rubinaite V.1, Dubakiene R.2, Zvirbliene A.1
1Vilnius University, Institute of Biotechnology, Vilnius, Lithuania, 2Vilnius University, Faculty of Medicine, Vilnius, Lithuania

390 **Quantitative changes in allergen-specific IgE during young adulthood**
Doeke G.1, Eholm G.2, Milvang Grenager P.3, Omland Ø.4, Schlünsen V.2,5, Søsgaard T.2
1Utrecht University, Institute for Risk Assessment Sciences, Utrecht, The Netherlands, 2Aarhus University, Dept. of Public Health, Section for Environment, Occupation and Health, Danish Ramazzini Center, Aarhus, Denmark, 3ALK Abello, Hershom, Denmark, 4Aalborg University Hospital, Clinic of Occupational Medicine, Danish Ramazzini Center, Aalborg, Denmark, 5National Research Centre for the Working Environment, Copenhagen, Denmark

391 **Presence of atopic diseases in Chagas’ infected children**
Gomez R.M.1,2, Sánchez Negrette O.1
1Fundación Ayre, Education & Research, Salta, Argentina, 2Hospital San Bernardo, Allergy & Asthma Unit, Salta, Argentina, 3Universidad Católica de Salta, Immunology - Veterinary Sciences, Salta, Argentina

392 **A survey exploring the knowledge of food handlers in the hospital restaurants and small commercial restaurants regarding their ability to identify the signs and symptoms of an acute food induced anaphylaxis and their emergency response towards a suspected allergic reaction**
Banerjee T.1, Skypala I.1, Michaelis L.2
1Imperial College London, London, United Kingdom, 2Great North Children's Hospital, Royal Victoria Infirmary, Newcastle, United Kingdom

393 **Smart prevention for allergic diseases: GIS-based risk index and IT-based mobile monitoring**
See S.1, Kim D.2, Min S.2, Yoo Y.1,3, Choung J.T.1,3
1Korea University, The Environmental Health Center for Asthma, Seoul, Republic of Korea, 2University of Texas, School of Economic, Political and Policy Sciences, Dallas, United States, 3Korea University, Pediatrics, Seoul, Republic of Korea

394 **Prediction of the severity of food allergic reactions**
Pettersson M.E.1,2, Koppelmann G.H.1,2, Flokstra-de Blok B.M.J.2,3, Kukler J.1,2, Kollen B.J.3, Dubois A.E.J.1,2
1University of Groningen, University Medical Center Groningen, Pediatric Pulmonology and Pediatric Allergy, Beatrix Children's Hospital, 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
**395** Costs of perennial allergic rhinitis and asthma increase with level of severity and disease control

**Belhassen M.** 1, Demol P. 2, Bloch-Morot E. 4, de Pouvoirville G. 3, Ginoux M. 3, Chartier A. 3, Laforet L. 1, Serup-Hansen N. 3, Toussi M. 3, Van Gansen E. 1, 9

1 Claude Bernard University, PharmacoEpidemiology Unit, Lyon, France, 2 Hôpital Arnaud de Villeneuve, University Hospital of Montpellier, Department of Pulmonology, Division of Allergy, Montpellier, France, 3 Sorbonne Universités, UPMC Paris 06, UMR-S 1136 INSERM, IPLESP, Equipe EPAR, Paris, France, 4 French Association for Continual Medical Education of Allergists (ANAFORCAL), Aix en Provence, France, 5 ESSEC Business School, Paris, France, 6 ALK ABELLO, Courbevoie, France, 7 ALK ABELLO, Harsholm, Denmark, 8 IMS HEALTH, Courbevoie, France, 9 Croix Rousse University Hospital, Respiratory Medicine, Lyon, France

**396** Remote sensing of phenology: a dynamic tool to inform allergenic grass pollen aerobiology


1 University of Technology Sydney, Plant Functional Biology & Climate Change Cluster, Sydney, Australia, 2 La Trobe University, School of Psychology and Public Health, Melbourne, Australia, 3 Canberra Hospital, Canberra, Australia, 4 Australian National University, College of Asia and the Pacific, Canberra, Australia, 5 Victoria University, School of Geography, Environment and Earth Sciences, Wellington, New Zealand, 6 University of Tasmania, The Menzies Institute for Medical Research, Hobart, Australia, 7 Macquarie University, Department of Environment and Geography, Faculty of Science, Sydney, Australia, 8 University of Queensland, School of Agriculture and Food Science, Brisbane, Australia, 9 Campbelltown Hospital, Department of Medicine, Sydney, Australia, 10 University of Western Sydney, School of Medicine, Sydney, Australia, 11 The University of Melbourne, School of Biosciences, Melbourne, Australia, 12 Réseau National de Surveillance Aérobiologique, Brussieu, France, 13 Queensland University of Technology, Institute of Health and Biomedical Innovation, South Brisbane, Australia

**397** Use and limitations of the symptom load index as indicator for the allergy burden

**Bastl K.** 1, Kmenta M. 1, Berger U. 1

1 Medical University of Vienna, Wien, Austria

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**Poster Discussion Session (PDS 17)**

**Pediatric asthma**

**Chairs:** Ömer Kalayci, Turkey

Zsolt Szépfalusi, Austria

**398** Visual analogue scale administered to caregivers can be used to assess rhinitis severity in school children

**Pereira A.** 1, Morais-Almeida M. 2, Santos N. 3, Fonseca J.A. 1, 3, 4

1 CUF-Porto Hospital & Institute, Allergy Unit, Porto, Portugal, 2 CUF-Descobertas Hospital, Allergy Centre, Lisbon, Portugal, 3 Faculty of Medicine of Porto University, CINTESIS – Centre for Health Technology and Services Research, Porto, Portugal, 4 Portuguese Society of Allergy and Clinical Immunology (Sociedade Portuguesa de Alergologia e Imunologia Clínica, SPAIC), Lisbon, Portugal, 5 Centro Hospitalar do Algarve, Allergy and Clinical Immunology Unit, Portimão, Portugal

**399** Effect on FEV1 of salbutamol administered in obese and non-obese children without asthma to assess bronchial reversibility

**Gonzalez-Uribe V.** 1, 2, Del Rio-Navarro B.E. 1, Sienra-Monge J.J.L. 1, Pozo Beltran C.F. 1

1 Hospital Infantil de Mexico Federico Gomez, Pediatric Allergy and Clinical Immunology, Cuauhtemoc, Mexico City, Mexico, 2 Universidad La Salle, Facultad Mexicana de Medicina, Mexico City, Mexico

**400** Clinical symptoms and immune system activation in patients with atopic and non-atopic asthma

**Kamenov B.** 1, Kamenov A. 2, Vidanovci I. 1, Tosić M. 1, Kamenov S. 3

1 Faculty of Medicine, University of Nis, Nis, Serbia, 2 Clinical Center Nis, Nis, Serbia, 3 Health Center Nis, Pediatrics, Nis, Serbia

**401** Spirometry adjusted fraction of exhaled nitric oxide performs better detecting uncontrolled asthma in children

**Martins C.** 1, Silva D. 1, 2, Pinto M. 3, Rufo J. 2, 3, Paciência I. 2, 3, Severo M. 4, Moreira P. 3, Padrão P. 2, 3, Delgado L. 1, Madureira J. 1, Oliveira Fernandes E. 3, Moreira A. 2, 5

1 Centro Hospitalar São João and Faculty of Medicine, University of Porto, Porto, Portugal, 2 Facultad de Medicina, University of Porto, Porto and Institute of Mechanical Engineering and Industrial Management, Porto, Portugal, 3 Institute of Science and Innovation in Mechanical Engineering and Industrial Management, Porto, Portugal, 4 Public Health Institute, University of Porto, Porto, Portugal, 5 Faculty of Nutrition and Food Sciences, University of Porto, Porto, Portugal

**402** Potential clinical insights of FEV0.75 measurement in preschool children lung-function assessment

**Carolina F.** 1, Martins C. 1, Miranda M. 1, Vilela A. 1, Plácido J.L. 1

1 Centro Hospitalar São João E.P.E., Serviço de Imunoalergologia, Porto, Portugal

**403** Measuring FEF25-75% and FEF75% has limited usefulness in lung-function assessment of preschool and young school-age children

**Carolina F.** 1, Martins C. 1, Miranda M. 1, Vilela A. 1, Plácido J.L. 1

1 Centro Hospitalar São João E.P.E., Serviço de Imunoalergologia, Porto, Portugal
Spirometry in preschool children: is FEF25-75 a strong outcome to assess bronchodilator responsiveness?
Benito-Garcia F.1, Mota I.1, Correia M.1, Almeida I.1, Pimenta L.1, Matos S.1, Morais-Almeida M.1, Borrego L.M.1,2
1CUF Descobertas Hospital, Immunology Department, Lisbon, Portugal, 2NOVA Medical School/CEDOC, Immunology Department, Lisbon, Portugal

Bronchodilator test: should it be performed regardless of the baseline FEV1 value?
Pinto N.1, Belo J.1, Marques J.1,2, Peralta I.1, Serranho S.1, Neuparth N.1,2, Carreiro-Martins P.1,2, Leiria-Pinto P.1,2
1Hospital de Dona Estefânia, Department of Immunology, Lisbon, Portugal, 2CEDOC, Respiratory Research Group, Nova Medical School, Lisbon, Portugal

Annual change of airway hyperresponsiveness about asthmatic children in long term remission cases
Kondo T.1
1Hirano General Hospital, Pediatrics, Gifu-city, Japan

Fractional exhaled nitric oxide and atopy in children with asthma
Omercahic Dizdarevic A.1, Mesihovic Dinarevic S.1, Selmanovic V.2,3, Cengic A.4
1University Clinic Center Sarajevo, Pediatric Clinic, Sarajevo, Bosnia and Herzegovina, 2University clinic center Sarajevo, allergology, rheumatology and clinical immunology, Sarajevo, Bosnia and Herzegovina, 3University clinic center Sarajevo, Pediatric Clinic, Allergology, rheumatology and Clinical Immunology, Sarajevo, Bosnia and Herzegovina, 4University Clinic Center Sarajevo, Pediatric Clinic, Allergology, rheumatology and Clinical Immunology, Sarajevo, Bosnia and Herzegovina

Omalizumab efficiency in severe non-allergic asthma with eosinophilia and nasal polyposis
Bourgoin-Heck M.1, Amat F.1, Trouvé C.1, Lambert N.1, Just J.1
1Trousseau Hospital, Pediatric Allergy Department, Paris, France

Magnesium deficiency correction for improvement of children bronchial asthma treatment results
Shishimorov I.1, Magnitskaya O.1, Perminov A.1, Petrov V.1
1Volgograd State Medical University, Volgograd, Russian Federation

How much drug leaves the spacer? In vitro study measuring drug output from five different valved holding chambers with and without facemask
Häselbarth J.1, Svedmyr J.1
1Childrens Hospital Dalarna, Pediatric Allergology, Falun, Sweden

Symposium (SYM 30) 15:45 – 17:15
EAACI allergen immunotherapy guidelines: How good is the evidence? Hall A1

Chairs: Johannes Schmid, Denmark
Aziz Sheikh, United Kingdom

Preventing allergic disease with allergen immunotherapy: How good is the evidence?
Susanne Halken, Denmark

Allergen immunotherapy for asthma: Effectiveness and safety
Susanne Lau, Germany

Allergen immunotherapy for food allergy: Ready for the clinic?
Giovanni Pajno, Italy

Symposium (SYM 31) 15:45 – 17:15
T-sing out the role of T cells Hall B1

Chairs: Barbara Bohle, Austria
Liam O’Mahony, Switzerland

TH9, TH22 and TH25: Are we there yet?
Carsten Schmidt-Weber, Germany

The evolution of the TH1/TH2 paradigm: Type 1, 2 and 3 immune responses
Francesco Annunziato, Italy

CDB: More than just killing?
Dirk Jan Hijnen, The Netherlands
### Symposium (SYM 32)  
**Eosinophilic esophagitis**  
**Hall B2**  
**Chairs:** Alex Straumann, Switzerland  
Ingrid Terreehorst, The Netherlands  
**Role of mucosal integrity in the esophagus and small intestine**  
Arjan Bredenoord, The Netherlands  
**How to assess disease activity based on clinical, endoscopical and histological data**  
Alain Schoepfer, Switzerland  
**EoE and PPI-responsive Esophageal eosinophilia: One or two entities?**  
Javier Molina-Infante, Spain

### Symposium (SYM 33)  
**Angioedema: More than histamine or bradykinin**  
**Strauss 1+2**  
**Chairs:** Thuy-My Le, The Netherlands  
Carsten Bindslev-Jensen, Denmark  
**Consensus classification on angioedema without wheals**  
Henriette Farkas, Hungary  
**Differential diagnosis of angioedema**  
Anette Bygum, Denmark  
**Angioedema attacks: Treatment vs prevention**  
Marco Cicardi, Italy

### Symposium (SYM 34)  
**PRACTALL on precision medicine in allergy and asthma**  
**Lehar 2**  
**Chairs:** Antonella Muraro, Italy  
Cezmi Akdis, Switzerland  
**Precision medicine: Towards precision health?**  
Sergio Pecorelli, Italy  
**Atopic dermatitis: A paradigmatic condition for precision medicine**  
Thomas Bieber, Germany  
**Precision medicine in allergic asthma**  
Robert Lemanske, United States

### Symposium (SYM 35)  
**Ethics and Fresh Air**  
**Lehar 3**  
**Chairs:** Glenis Scadding, United Kingdom  
José Rosado Pinto, Portugal  
**Outdoor pollution and allergy**  
Frank Kelly, United Kingdom  
**The ethical aspects of outdoor pollution**  
Philippe Poulain, France  
**Indoor pollution at school**  
Isabella Annesi-Maesano, France  
**The ethical aspects of indoor pollution**  
Philippe Poulain, France  
**Q&A**
Workshop (WS 6)  15:45 – 17:15

Pediatric drug allergy: Getting it right

Chairs: Lennart Nilsson, Sweden
Kathrin Scherer Hofmeier, Switzerland

Utility of diagnostic tests
Jean-Christoph Caubet, Switzerland

Allergy to vaccine
Giovanna Zanoni, Italy

Drug desensitisation in children
Paul Whitaker, United Kingdom

Sister Society Symposium (SSS 5)  15:45 – 17:15

NIADD/NIIH: State-of-the-art investigations into chronic rhinosinusitis and nasal polyposis

Chair: Alkis Togias, United States

The role of ILC2 cells in nasal polyposis and allergic rhinitis
Taylor Doherty, United States

The role of PGD-2 in nasal polyps in aspirin exacerbated respiratory disease
Tanya Laidlaw, United States

Mechanisms of inflammation and remodeling in nasal polyposis
Robert Schleimer, United States

Year in Review (YIR 4)  15:45 – 17:15

Asthma

Chairs: Musa Khaitov, Russian Federation
James Gern, United States

Pre-clinical models of severe asthma: The links with new treatments
Ian Adcock, United Kingdom

The clinical phenotypes of severe asthma in U-BIOPRED
Sven-Erik Dahlén, Sweden

Precision medicine in asthma: Who will benefit from biologicals?
Liam Heaney, Ireland

Practical Allergy Management Workshop (PAMW 2)  15:45 – 17:15

Diagnosis and treatment: What can we learn from clinical advances?

Chair: Mary Jane Marchisotto, United States

The difficulties in cross border harmonisation of paediatric immunotheraphy

The difficult road ahead to a peanut allergy cure: The CODIT and CPNA study follow up
Wayne Shreffler, United States

EPIT: The way to go for immunotherapies?
André Knulst, The Netherlands

Group/panel discussion: Patient needs and therapeutic development?
Addressing patient needs and patient-centric clinical trials in diagnostic and therapies and access
Oral Abstract Session (OAS 16) 15:45 – 17:15

Regulatory pathways in allergen-specific immunotherapy

Stolz 2

Chairs:
Oscar Palomares, Spain
Mübeccel Akdis, Switzerland

Session roadmap
Oscar Palomares, Spain

91 Downregulation of CXCR5 expression in Tfh cells during allergen-specific immunotherapy is mediated by IL-2
Schulten V.1, Semois G.1, Tripple V.1, Pandurangan V.1, Sette A.1, Crotty S.1, Peters B.1
1La Jolla Institute, San Diego, United States

92 Alum-free thermosensitive hydrogel as matrix for immunomodulatory substances and allergens during allergen-specific immunotherapy
Russkkamp D.1, Aguilar-Pimentel A.2, Grunwald T.2, Gailus-Durner V.2, Fuchs H.3, Bredehorst R.3, Schiener M.4, Ollert M.4.5, Hrabě de Angelis M.2.6.7, Schmidt-Weber C.1, Blank S.1
1Technical University of Munich and Helmholtz Centre Munich, ZAUM, München, Germany, 2Helmholtz Zentrum München, German Mouse Clinic, Institute of Experimental Genetics, Neuherberg, Germany, 3PLS design GmbH, Hamburg, Germany, 4Luxembourg Institute of Health, Department of Infection and Immunity, Esch-sur-Alzette, Luxembourg, 5University of Southern Denmark, Department of Dermatology and Allergy Center, Odense, Denmark, 6Technical University of Munich, Center of Life and Food Sciences Weißenstephan, Chair of Experimental Genetics, Freising, Germany, 7German Center for Diabetes Research, Neuherberg, Germany

93 Roles of cytokines in the suppression of asthmatic responses in mice by allergen-specific monoclonal antibody Fab fragments
Yoshino S.1, Mizutani N.1
1Kobe Pharmaceutical University, Pharmacology, Kobe, Japan

94 Epigenetic consequences of probiotic-based sublingual immunotherapy on lung-derived innate cytokines in a murine model of pollen allergy
Pishdadian A.1, Varasteh A.2, Gholamin M.3, Roozbeh Nasiraei L.4, Hosseinipour M.5, Moghadam M.6, Sankian M.6
1Immunology Research Center, School of Medicine, Zabol University of Medical Sciences, Zabol, Iran, Islamic Republic of, 2Allergy Research Center, Medical School, Mashhad University of Medical Sciences, Mashhad, Iran, Islamic Republic of, 3Division of Human Genetics, Immunology Research Center, Avicenna Research Institute, Mashhad University of Medical Sciences, Mashhad, Iran, Islamic Republic of, 4Department of Food Science, Nour Branch, Islamic Azad University, Nour, Iran, Islamic Republic of, 5Immunology Research Center, Medical School, Mashhad University of Medical Sciences, Mashhad, Iran, Islamic Republic of

95 Evidence for the functional presence of T cell epitopes from major allergens in house dust mite allergoids
Kahlert H.1, Karschuk N.1, Mertens-Beer M.1, Klysner S.1, Willers C.1
1Allergopharma GmbH & Co. KG, Research & Development, Reinbek, Germany

96 AllergoOncology: studying IgG4-macrophage interaction to understand immune tolerance in allergy and cancer
Bianchini R.1, Roth-Walter F.1, Wagner S.2, Ohradanova-Repic A.2, Glenk L.M.1, Palme R.3, Roth G.4, Bajna E.5, Stockinger H.5, Hufnagl K.1, Jensen-Jarolim E.1.5
1Messerli Research Institute, University of Veterinary Medicine Vienna, Medical University Vienna and University of Veterinary Medicine Vienna, Dept. of Comparative Medicine, Vienna, Austria, 2Center for Pathophysiology, Infectiology and Immunology, Medical University Vienna, Institute for Hygiene and Applied Immunology, Vienna, Austria, 3University of Veterinary Medicine Vienna, Unit of Physiology, Pathophysiology and Experimental Endocrinology, Vienna, Austria, 4Medical University of Vienna, Dept. of Anesthesiology, General Intensive Care and Pain Medicine, Vienna, Austria, 5Center for Pathophysiology, Infectiology and Immunology, Medical University Vienna, Dept. of Pathophysiology and Allergy Research, Vienna, Austria
Determination of severity and treatment of food allergy

Session roadmap

1364 Peanut allergen threshold study: validation of eliciting doses using a novel, single-dose challenge protocol

Hourihane J.1, Allen K.2, Shreffler W.1, Dunngalvin G.4, Baumert J.3, Zurzolo G.2, Gurin L.6, Dunngalvin A.4, Nordlee J.3, Taylor S.5

1University College Cork, Cork, Ireland; 2Murdoch Children’s Research Institute, Melbourne, Australia; 3Massachusetts General Hospital / Harvard Medical School, Food Allergy Centre and the Centre for Immunology and Infectious Disease, Boston, United States; 4University College, Cork, Applied Psychology, Cork, Ireland; 5University of Nebraska, Food Allergy Research and Resource Program, Lincoln, United States; 6University of Melbourne, Melbourne School of Population and Global Health, Melbourne, Australia

1365 Age dependent determination of milk allergen threshold doses

Melchior M.1, Leshno M.2, Elizur A.3,4, Nachshon L.3, Goldberg M.3, Golobov K.1, Katz Y.4

1Tel Aviv Medical Center University, Tel Aviv, Israel; 2Tel-Aviv University, Faculty of Management, Tel-Aviv, Israel; 3Assaf-Harofeh Medical Center, Allergy & Immunology Inst, Zerifin, Israel; 4Tel-Aviv University, Pediatrics, Tel-Aviv, Israel

1366 Prediction of peanut-challenge outcome with biomarkers

Peillon A.1, Thébault C.1, Helleputte T.2, Gramme P.2, Aqbotounou W.K.1, Martin L.1, Dupont C.3,4, Sampson H.A.3, Benhamou P.-H.4, Ruban C.1

1DBV Technologies, Montrouge, France; 2DNAlytics, Louvain-la-Neuve, Belgium; 3Hôpital Necker, Enfants Malades, Paris, France; 4Université Paris-Descartes, Paris, France; 5Jaffe Food Allergy Institute, Icahn School of Medicine at Mount Sinai, New York, United States

1367 The safety and tolerability of AR101, an oral immunotherapy (OIT) pharmaceutical formulation for peanut allergy, after more than 1 year of treatment: results from an ongoing phase 2b clinical trial (ARCO02), including low-dose (300 mg/d) and high-dose (2000 mg/d) maintenance regimens


1Boston Children’s Hospital, Division of Allergy & Immunology, Boston, United States; 2UT Southwestern Medical Center, Dallas, United States; 3The Children’s Hospital of Philadelphia, Philadelphia, United States; 4University of Arkansas for Medical Sciences, Little Rock, United States; 5Arkansas Children’s Hospital, Little Rock, United States; 6UCSF Children’s Hospital, San Francisco, United States; 7University of California-San Diego/Rady Children’s Hospital, San Diego, United States; 8Aimmune Therapeutics, Brisbane, United States; 9The Icahn School of Medicine at Mount Sinai, New York, United States; 10University of California-San Diego/Rady Children’s Hospital, San Diego, United States; 11Allergy and Asthma Medical Group & Research Center, San Diego, United States; 12Boston Children’s Hospital, Boston, United States

Secondary analysis of the effect of skin test size and age of introduction on peanut tolerance among the LEAP study participants

Greenhawt M.1, Fleischer D.1, Chan E.2, Stukus D.3, Venter C.4, Gupta R.5, Spregel J.6

1Children’s Hospital Colorado, University of Colorado School of Medicine, Department of Pediatrics, Section of Allergy and Immunology, Aurora, United States; 2BC Children’s Hospital, The University of British Columbia, Division of Allergy & Immunology, Department of Pediatrics, Faculty of Medicine, Vancouver, Canada; 3Nationwide Children’s Hospital, The Ohio State University School of Medicine, Department of Pediatrics, Section of Allergy and Immunology, Columbus, United States; 4Cincinnati Children’s Hospital Medical Center, Division of Allergy and Clinical Immunology, Cincinnati, United States; 5Lurie Children’s Hospital, Northwestern University School of Medicine, Department of Pediatrics, Chicago, United States; 6Children’s Hospital of Philadelphia, Department of Pediatrics, Section of Allergy and Immunology, Philadelphia, United States
Late Breaking Oral Abstract Session (LB OAS 5)  
**15:45 – 17:15**

**4. Allergic responses of the nose**  
Schubert 1-3

**Session roadmap**

1370  **MASK-rhinitis (MACVIA-ARIA Sentinel Network for allergic rhinitis): results of a pilot study in 12 European countries**  
Bousquet J.1,2,3, MACVIA ARIA Sentinel Network (MASK) Study Group  
¹CHRU Arnaud de Villeneuve, Department de Pneumologie, Montpellier, France, ²MACVIA-LR, Contres les Maladies Chronique pour un Vieillissement Actif en Languedoc Roussillon, European Innovation Partnership on Active and Healthy Aging Reference Site, Montpellier, France, ³INSERM VIMA: Ageing and Chronic Diseases, Epidemiological and Public Health Approaches, Paris, France

1371  **Relevance of the assessed redness as a part of allergic reaction on conjunctival provocation at rhinoconjunctivitis**  
Astvatsatourov A.1, Schröder J.1, Mösges R.1  
¹University Hospital of Cologne, Institute for Medical Statistics, Informatics and Epidemiology, Cologne, Germany

1372  **Detection of IgE to house dust mite components in nasal secretions with a microarray chip: can it predict serum IgE response?**  
Berings M.1, Arasi S.2, De Ruyck N.1, Resch Y.2, Lupinek C.2, Chen K.-W.2, Vrtala S.2, Valenta R.3, Matricardi P.2, Gevaert P.1  
¹Ghent University, Upper Airway Research Laboratory, Ghent, Belgium, ²Charité Medical School, Department of Pediatric Pneumology and Immunology, Berlin, Germany, ³Medical University of Vienna, Vienna, Austria

1373  **A optimum human repetitive allergen challenge model of allergic rhinitis faithfully replicates seasonal Th2 mediated allergic inflammation**  
Orban N.1, Elfan A.2, Jacobson M.2, Durham S.2  
¹Imperial College London, London, United Kingdom, ²Imperial College London, ACID, London, United Kingdom

The investigation of the effect of autophagy in chronic rhinosinusitis with nasal polyps etiology  
Evibilen A.1,2, Benli I.2, Göktas G.1, Somuk B.T.1, Gürbüzler L.1, Aslan H.4, Özyurt H.3  
¹Gaziosmanpa University, Faculty of Medicine, Otolaryngology, Tokat, Turkey, ²Gaziosmanpa University, Institute of Health Sciences, Biochemistry, Tokat, Turkey, ³Gaziosmanpa University, Faculty of Medicine, Biochemistry, Tokat, Turkey, ⁴Gaziosmanpa University, Faculty of Medicine, Histology and Embryology, Tokat, Turkey

**Late Breaking Oral Abstract Session (LB OAS 6)  
**15:45 – 17:15

**5. Immune players in allergy**  
Schubert 4-6

**Session roadmap**

1376  **Lung resident eosinophils represent a distinct cell subset with homeostatic functions**  
Raulier S.1, Mesnil C.1, Paulissen G.1, Pirotton D.1, Janss T.1, Birrell M.2, Belvisi M.2, Xiao X.3, Gillet L.1, Desmet C.1, Bureau F.1, Marichal T.1  
¹University of Liege, Liege, Belgium, ²National Heart and Lung Institute, Imperial College London, London, United Kingdom, ³Department of Infectious Diseases, FARAH, Faculty of Veterinary Medicine, Liege, Belgium

1377  **Evidence that IgE-associated immune responses can increase or lower resistance to venoms**  
Starkl P.1,2,3,4,5, Marichal T.1,2,3, Gaudenzio N.3, Reber LL.3,6,7, Sibilano R.3, Tsai M.1, Galli S.J.3,8  
¹Medical University of Vienna, Dept. of Internal Medicine I, Vienna, Austria, ²CeMM, Research Center for Molecular Medicine of the Austrian Academy of Science, Vienna, Austria, ³Stanford University School of Medicine, Dept. of Pathology, Stanford, United States, ⁴GIGA-Research, University of Liège, Laboratory of Cellular and Molecular Immunology, Liège, Belgium, ⁵University of Liège, Faculty of Veterinary Medicine, Liège, Belgium, ⁶Institut Pasteur, Dept. of Immunology, Paris, France, ⁷INSERM U1222, Paris, France, ⁸Stanford University School of Medicine, Dept. of Microbiology and Immunology, Stanford, United States
**Poster Discussion Session (PDS 18)**

**Diagnosis and classification of drug allergies**

**Chair:** Tamar Kinaciyan, Austria

**15:45 – 17:15**

**Poster Discussion Zone 1**

**1378** Novel role for the acute phase reactant SAA1 in the initiation of type 2 immune responses

_Smale U. 1, 2, Xiao X. 1, Gour N. 1, Phelan J. 1, Yao S. 1, Lijie Z. 1, Lane A. 1, Lajoie S. 1, Wills-Karp M. 1_

1 Johns Hopkins Bloomberg School of Public Health, Department of Environmental Health Sciences, Baltimore, United States, 2Medical University of Vienna, Institute of Immunology, Vienna, Austria

**1379** Effects of allergy and SIT treatment on humoral and cellular immune responses to routine vaccination with TBE vaccine

Afternoon Session 1

_Garner-Spitzen 1, Hofer M. 1, Seidl-Friedrich C. 1, Zwaal I. 1, Jarisch R. 2, Kinaciyan T. 1, Zlabinger G. 1, Kundi M. 1, Wiedermann U. 1_

1Medical University of Vienna, Institute for Specific Prophylaxis & Tropical Medicine, Vienna, Austria, 2Allergiezentrum Floridsdorf, Vienna, Austria, 3Medical University of Vienna, Department of Dermatology, DIAID, Vienna, Austria, 4Medical University of Vienna, Institute of Immunology, Vienna, Austria, 5Medical University of Vienna, Institute of Public Health, Vienna, Austria

**1380** The environment alters the immune response to ragweed pollen

_Liu S. H. 1, Debiasi M. 1, Anea C.B. 1, Karrer G. 2, Chaturvedi P. 1, Bellaire A. 1, Weckwerth W. 1, Epstein M.M. 1_

1Medical University of Vienna, Department of Dermatology, DIAID, Vienna, Austria, 2University of Natural Resources and Applied Life Sciences, Vienna, Austria, 3University of Vienna, Department of Molecular Systems Biology, Vienna, Austria, 4University of Vienna, Department of Botany and Biodiversity Research, Vienna, Austria

**1381** Perinatal application of the probiotic *E. coli* strain O83 and its consequences for the development of allergen-induced airway inflammation in mice

_Kalyoncu A. F. 1, Herbert C. 1, Sarate P. 1, Mirjana D. 1, Wiedermann U. 1, Schabussova L. 1_

1Medical University of Vienna, Institute of Specific Prophylaxis and Tropical Medicine, Vienna, Austria

**1382** Diagnosis and classification of drug allergies

_Celebioğlu E. 1, Karakaya G. 1, Kalyoncu A.F. 1_

1Hacettepe University Faculty of Medicine, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey

**1383** Clinical characteristics and challenge-proven diagnosis of paracetamol and ibuprofen hypersensitivity in a cohort of paediatric patients from the UK, between 2009-2015

_Bogas Herrera G. 1, Do Toit G. 2, Anagnostou K. 2_

1Regional University Hospital of Malaqa-IBIMA, Allergy Unit, Malaqa, Spain, 2Guy’s and St. Thomas’ NHS Foundation Trust, Children’s Allergy Service, London, United Kingdom

**1384** Patients’ evaluation of hypersensitivity reactions to NSAIDs with visual analogue scale

_Ozdemir E. 1, Karabiber E. 1, Celebioğlu E. 1, Karakaya G. 1, Kalyoncu A.F. 1_

1Hacettepe University Faculty of Medicine, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey

**1385** Nonsteroidal anti-inflammatory drug hypersensitivity in our population. Using the latest EAACI/ENDA and GAZLEN/HANNA classification as a mirror

_Carpio L. 1, Bernal Rubio L. 1, Vazquez Revuelta P. 1, Sola Martinez J. 1_

1Hospital Ramón y Cajal, Allergy, Madrid, Spain

**1386** Effects of montelukast sodium on urine density in asthmatic children

_Anil H. 1, Harmanci K. 1, Kocak A.K. 1_

1Eskisehir Osmangazi University, Pediatric Allergy, Eskisehir, Turkey

**1387** The lymphocyte activation test – clinical importance in delayed drug hypersensitivity reactions: a prospective study

_Baynova K. 1, Labelia M. 1, Lucena J.M. 2, Sanchez B. 2, Prados M. 1_

1University Hospital ‘Virgen del Rocío’, Allergology, Seville, Spain, 2University Hospital ‘Virgen del Rocío’, Immunology, Seville, Spain

**1388** Detection of drug – specific T cells in allopurinol induced SCARs

_Hieu C.C. 1, Nga D.T.Q. 2, Dinh N.V. 1, 2_

1Bach Mai Hospital, Center of Allergology and Clinical Immunology, Hanoi, Viet Nam, 2National Institute of Hygiene and Epidemiology, Immunology and Molecular Biology, Hanoi, Viet Nam, 3Hanoi Medical University, Allergy and Clinical Immunology, Hanoi, Viet Nam, 4Royal North Shore Hospital, Sydney Medical School Northern, University of Sydney, Clinical Immunology & Allergy, Sydney, Australia

**1389** Elevated sensitivity of nasal aspirin challenges in patients with Samter’s triad

_Förster-Ruhrmann L. 1, Tietz A. 1, Olze H. 1_

1Charité - Universitätsmedizin Berlin, ENT Department, Berlin, Germany

**1390** Evaluation of the results of lymphocyte transformation test in patients with hypersensitivity reactions following anticonvulsant usage

_Karami Z. 1, Mesdaghi M. 1, Chavoshzade Z. 2, Karimzadeh P. 2_

1Shahid Beheshti University of Medical Sciences and Health Services, Immunology, Tehran, Iran, Islamic Republic of, 2Mofid Children’s Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of
420 HLA-B*58:01 and allopurinol high dose were associated with allopurinol induced cutaneous adverse drug reactions in Thai population
Sukasem C.1, Jantararoungtong T.1, Kuntawong P.1, Puangpetch A.1, Koomdee N.1, Klaewsongkram J.2, Rerkpattanapipat T.3
1Division of Pharmacogenomics and Personalized Medicine, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Department of Pathology, BKK, Thailand, 2Division of Allergy and Clinical Immunology, Department of Medicine, Faculty of Medicine, Allergy and Clinical Immunology Research Group, Chulalongkorn University, Bangkok, Thailand, 3Division of Allergy Immunology and Rheumatology, Department of Medicine, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

421 HLA-A and HLA-B alleles in Turkish patients with severe anti-epileptic drug allergy
Buyukozturk S.1, Kekik C.2, Aysen G.Z.3, Karakay G.4, Saygi S.5, Tezer-Filik I.F.6, Dursun B.A.6, Kirbas S.7, Tufekci A.7, Sin A.Z.8, Aydogdu I.8, Celik G.9, Aydin N.10, Gelinik A.1, Colakoglu B.1, Fatma O.2
1Istanbul University Istanbul Faculty of Medicine, Immunology and Allergy Disease Division of Internal Medicine, Istanbul, Turkey, 2Istanbul University Istanbul Faculty of Medicine, Medical Biology, Istanbul, Turkey, 3Istanbul University Istanbul Faculty of Medicine, Neurology, Istanbul, Turkey, 4Hacettepe University Faculty of Medicine, Allergy and Immunology, Ankara, Turkey, 5Hacettepe University Faculty of Medicine, Neurology, Ankara, Turkey, 6Recep Tayyip Erdogan University, Faculty of Medicine, Allergy and Immunology, Rize, Turkey, 7Recep Tayyip Erdogan University, Faculty of Medicine, Neurology, Rize, Turkey, 8Ege University, Faculty of Medicine, Allergy and Immunology, Izmir, Turkey, 9Ege University, Faculty of Medicine, Neurology, Izmir, Turkey, 10Ankara University, Faculty of Medicine, Allergy and Immunology, Ankara, Turkey, 11Ankara University, Faculty of Medicine, Neurology, Ankara, Turkey

● Poster Discussion Session (PDS 19)

**Pathophysiology and management of allergic rhinitis**

**Poster Discussion Zone 2**

**15:45 – 17:15**

<table>
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<th>Poster</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
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<tbody>
<tr>
<td>422</td>
<td>Microarray profiling of long non-coding RNA expression in adult patients with allergic rhinitis</td>
<td>Li Y.1, Teng Y.S.1, Li J.1, Ma Z.Q.2</td>
<td>1Hangzhou First People’s Hospital, Hangzhou, China, 2Zhe Jiang Chinese Medical University, Hangzhou, China</td>
</tr>
<tr>
<td>423</td>
<td>Antagonist of histamine receptor 4 could changed the imbalance of Th1/Th2 in allergic rhinitis</td>
<td>Li L.1, Fu Y.2, Jiang X.2, Meng C.1</td>
<td>1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital of Jilin University, Neurosurgery, Changchun, China</td>
</tr>
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<td>424</td>
<td>Efficacy of air purifier for adjuvant therapy of allergic rhinitis</td>
<td>Luo J.1, Chen Z.3, Lan X.2, Hu J.2, Li S.3, Sun B.1</td>
<td>1State Key Laboratory of Respiratory Disease, Guangzhou City, China, 2Guangzhou Medical University, Guangzhou, China</td>
</tr>
<tr>
<td>425</td>
<td>Evaluation of clinical characteristics in children with rhinitis</td>
<td>Prieto A.1, Campo P.1, Rondón C.1, Salas M.1, Galindo L.1, Aranda A.2, Mayorga C.2, Ruiz-Sanfrancisco A.3, Bogas G.1, Herrero L.1, Cañamero M.1, Blanca M.1</td>
<td>1IBIMA - Regional University Hospital of Malaga - University of Malaga, Malaga, Spain, 2Research Laboratory-IBIMA - Regional University Hospital of Malaga - University of Malaga, Malaga, Spain</td>
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<td>426</td>
<td>A solubilized aqueous budesonide formulation showed higher anti-inflammatory therapeutic efficacy in a murine pulmonary inflammation model compared to marketed products</td>
<td>Nakowitsch S.1, Koenig-Schuster M.1, Seifert J.-M.1, Graf C.1, Unger-Manhart N.1, Bodenteich A.1, Grassauer A.1, Priesch-Gassauer E.1</td>
<td>1Marinomed Biotechnologie, Vienna, Austria</td>
</tr>
<tr>
<td>427</td>
<td>The minimally important difference in the Rhinoconjunctivitis Total Symptom Score in house dust mite-induced allergic rhinoconjunctivitis</td>
<td>Devillier P.1, Bruining H.2, de Beaumont O.3, Bergmann K.-C.4, Hôpital Foch, University Versailles Saint-Quentin, UPRES EA 220, Suresnes, France, 2Dermakiel - Allergie und Hautzentrum, Kiel, Germany, 3Stallergenes Greer, Global Medical Affairs, Antony, France, 4Allergy-Centre-Charité, Berlin, Germany</td>
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<td>428</td>
<td>Noninterventional study on alpha-tocopherol acetate (vitamin E acetate) nasal spray as an alternative treatment option in patients with pollen-induced allergic rhinitis in comparison to standard therapies</td>
<td>Pieper-Fürst U.1, Kroh B.1, Reydelet Y.1, Shah-Hosseini K.1, Panin G.2, Lamprecht J.3, Mösges R.1</td>
<td>1University of Cologne, Faculty of Medicine, Institute of Medical Statistics, Informatics and Epidemiology - IMSIE, Köln, Germany, 2PANIN S.r.l., Rovigo, Italy, 3BoWaMED Ärztezentrum, Bochum-Wattenscheid, Germany</td>
</tr>
</tbody>
</table>
Factors associated to the prescription of allergen immunotherapy in patients with mite induced respiratory allergy
Frati F.1, Buttafava S.1, Incorvaia C.2, Caruso C.3
1Stallergenes Greer Italy, Medical and Scientific, Milan, Italy,
2ICP Hospital, Allergy/Pulmonary Rehabilitation Unit, Milan, Italy,
3Complesso Integrato Columbus C.I.C., Roma, Italy

Effectiveness of MP-AzeFlu* for the treatment of allergic rhinitis in real-life: meta-analysis of data from Germany, Sweden, Norway, Denmark and Romania
Klimek L.1, Stjärne P.2, Dollner R.3, Haahr P.4, Agache I.5,
1Centre for Rhinology and Allergology, Wiesbaden, Germany,
2Karolinska Institute, Department of Otorhinolaryngology, Stockholm, Sweden,
3Oslo University Hospital-Rikshospitalet, Department of Otorhinolaryngology, Oslo, Norway,
4Specialist Centre, Vejle, Denmark,
5Transylvania University of Brasov, Department of Allergy & Clinical Immunology, Brasov, Romania,
6Ghent University Hospital, Dept of Oto-rhino-laryngology, Ghent, Belgium

Comparison of the rhinitis control assessment test with more complex surveys for the evaluation of symptoms in patients suffering from allergic rhinitis
Allekotte S.1, Liedtke J.-P.1, Mandl A.1, Shah-Hosseini K.1,
Pieper-Fürst U.1, Chwieralski J.1, Köther J.1, Mösges R.1
1Faculty of Medicine, University of Cologne, Institute of Medical Statistics, Informatics and Epidemiology, Cologne, Germany

The effects on ECP, MCT and clinical symptoms in allergic rhinitis guinea pigs with Fluticasone furoate/vilanterol treatment
Meng C.1, Sha J.1, Fu Y.1, Xiu Q.1
1China-Japan Union Hospital of Jilin University, Changchun, China

An increased prevalence of self-reported allergic rhinitis in major Chinese cities from 2005 to 2011
Zheng M.1, Wang X.1, Zhang L.1, Bachert C.2
1Beijing TongRen Hospital, Capital Medical University, Department of Otolaryngology and Head and Neck Surgery, Beijing, China,
2Ghent University Hospital, Upper Airways Research Laboratory, Department of Oto-Rhino-Laryngology, Ghent, Belgium

Monosensitized and polysensitized patients with respiratory allergy: are two different phenotypes?
Soyyigit S.1, Sin B.A.1, Mungan D.1, Misirligil Z.1, Güloglu D.2, Secil D.1, Ikincioğullari A.2, Göktuna D.3
1Ankara University School of Medicine, Department of Chest Diseases, Division of Immunology and Allergic Diseases, Ankara, Turkey,
2Ankara University School of Medicine, Department of Pediatric Immunology and Allergy, Ankara, Turkey,
3Ankara University, Faculty of Medicine, Department of Biostatistics, Ankara, Turkey

Effectiveness of MP-AzeFlu* for the treatment of allergic rhinitis in real-life according to phenotype, severity and patient age: meta-analysis of data from 5 European countries
Stjärne P.1, Dollner R.2, Haahr P.3, Agache I.4, Bachert C.5, Klimek L.6
1Karolinska Institute, Department of Otorhinolaryngology, Stockholm, Sweden,
2Oslo University Hospital-Rikshospitalet, Department of Otorhinolaryngology, Oslo, Norway,
3Specialist Centre, Vejle, Denmark,
4Transylvania University of Brasov, Department of Allergy & Clinical Immunology, Brasov, Romania,
5Ghent University Hospital, Dept of Oto-rhino-laryngology, Ghent, Belgium,
6Centre for Rhinology and Allergology, Wiesbaden, Germany
**Poster Discussion Session (PDS 20)**  
**15:45 - 17:15**

**Air pollution and environmental allergies**

**Chair:** Nikolaos Gkavogiannakis, Greece

**437** Aeromycological study on the fungal spore diversity in Kolkata and study on allergens of *Aspergillus oryzae*: a major sensitizer of asthma patients  
Sengupta K.¹, Pandey N.², Gupta Bhattacharya S.³  
¹Bose Institute, Division of Plant Biology, Kolkata, India, ²Belle Vue Clinic, Kolkata, India

**438** Molecular components involved in the IgE cross-reactivity between *Aedes aegypti* and arthropods  
Cantillo J.E.¹,², Puerta L.²,³, Lafosse-Marin S.², Subiza J.L.³, Caraballo L.²,⁴, Fernandez-Caldas E.³  
¹Universidad Complutense de Madrid, Madrid, Spain, ²University of Cartagena, Institute for Immunological Research, Cartagena, Colombia, ³Inmunotek S.L., Alcalá de Henares, Spain, ⁴Foundation for the Development of Medical and Biological Sciences, Cartagena, Colombia, ⁵Cabinet de Immunologie, Fort de France, Martinique

**439** Allergic profile of *Quercus rotundifolia* pollen in Alentejo, Portugal  
Antunes C.M.¹,²,³, Candeias J.¹,⁴, Anacleto S.¹, Arriegas R.¹, Calhau I.¹, Costa A.R.¹,²,³, Brandao R.M.²,³, Lopes L.³  
¹University of Evora, Chemistry, School of Science and Technology, Evora, Portugal, ²Institute of Earth Sciences (ICT), IIFA, University of Evora, EVORA, Portugal, ³Institute of Agriculture and Environmental Mediterranean Sciences (ICAAM), IIFA, University of Evora, EVORA, Portugal, ⁴Center of Allergy and Environment (ZAUM) - Technische Universität und Helmholtz Zentrum München, Munich, Germany, ⁵Hospital of Sta. Luzia, Elvas, Portugal

**440** *M. m* 1 personal exposures in laboratory animal workers in facilities where mice are housed in open or individually ventilated cages  
Canizales J.¹, Jones M.², Semple S.³, Feary J.¹, Cullinan P.¹,²  
¹Royal Brompton and Harefield NHS Foundation Trust, ²Oxford University Hospitals NHS Foundation Trust, ³Imperial College, Occupational and Environmental Medicine, London, United Kingdom

**441** Exposure chamber: a novel technology to assess the efficacy of air purifiers  
Bergmann K.-Ç.¹, Sehlinger T.², Gildemeister J.¹, Zuberbier T.¹  
¹Allergy-Centre-Charité, Berlin, Germany, ²Bluestone Technology GmbH, Woerstaidt, Germany

**442** Regression models for predicting total pollen concentration in Central Lagos State, Nigeria  
Adeniyi T.A.¹, Adeonipekun P.A.¹, Olowokudejo J.D.¹  
¹University of Lagos, Department of Botany, Lagos, Nigeria

**443** Predicting the Poaceae pollen concentration in the air using time series models  
Roj O.¹, Rapp A.¹, Lara B.¹, Romero J.¹, Pérez-Badia R.¹  
¹University of Castilla-La Mancha, Environmental Sciences, Toledo, Spain

**444** Atmospheric concentrations of pollen grain and real time information  
Thibaudon M.¹, Oliver G.¹, Marpillat A.², Kawashima S.³, Baisnee D.¹, Sarda-Esteve R.⁴  
¹RNSA, Brussieu, France, ²ADDAIR, Chateaufort, France, ³University of Kyoto, Kyoto, Japan, ⁴CEA, Gif sur Yvette, France

**445** Change of major allergens after large-scaled annual mowing of ragweed for twelve years  
Su K.-W.¹  
¹Keelung Chang Gung Memorial Hospital, Keelung, Taiwan

**446** Development of a method to evaluate cat dander levels by light microscopy  
Kelly S.¹, Steiner N.¹, Yen J.¹, Yang W.H.², Marcelo J.¹, Karsh J.¹, Boeckh D.²  
¹Red Maple Trials, Ottawa, Canada, ²Merivale Cat Hospital, Ottawa, Canada

**447** Differences in Der p 2 measurements by immunoassays that recognize different isoforms  
Pomès A.¹, Glesner J.¹, Aalberse R.C.²,³, Chapman M.D.¹  
¹Indoor Biotechnologies, Inc., Basic Research, Charlottesville, United States, ²Sanquin Research, Department of Immunopathology, Amsterdam, The Netherlands, ³Landsteiner Laboratory, Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands

**448** Cat and dog allergen concentrations in day-care centres and dwellings on electrostatic dust collectors  
Sander I.¹, Lotz A.¹, Neumann H.-D.², Zahradnik E.¹, Czibor C.¹, Flagg A.¹, Buxtrap M.², Brüning T.¹, Rauff M.¹  
¹Institute for Prevention and Occupational Medicine, German Social Accident Insurance, Ruhr University Bochum (IPA), Bochum, Germany, ²German Social Accident Insurance Institution for the Public Sector in North Rhine-Westphalia, Bochum, Germany

**449** Grass pollen season 2015 in Vienna (Austria), Berlin (Germany) and Turku (Finland): spatial and temporal variation in pollination of different grass species and their impact on pollen allergy sufferers  
Kmenta M.¹,², Bastl K.¹, Bergmann K.-C.²,³, Dewings S.J.³, Kramer M.F.², Pätsi S.⁴, Pessi A.-M.³,⁴, Saarto A.², Skinner M.A.², Werchan B.²,³, Werchan M.²,³, Zetter R.², Berger U.¹  
¹Medical University of Vienna, Department of Otorhinolaryngology, Vienna, Austria, ²University of Vienna, Department of Paleontology, Vienna, Austria, ³Foundation German Pollen Information Service, Berlin, Germany, ⁴Charité - Universitätsmedizin Berlin, Department of Dermatology, Venerology and Allergology, Berlin, Germany, ⁵Allergy Therapeutics plc., Worthing, United Kingdom, ⁶University of Turku, Aerobiology Unit, Turku, Finland
Non IgE-mediated food allergy

Poster Discussion Session (PDS 21) 15:45 – 17:15

Poster Discussion Zone 4

Non IgE-mediated food allergy

**Chair:** Anna Nowak-Wegrzyn, United States

450 In adult eosinophilic esophagitis patients, amino acid-based diet induces histological remission, reduces clinical symptoms and restores esophageal mucosal integrity whereas it does not affect duodenal integrity


1 Academic Medical Center, Gastroenterology and Hepatology, Amsterdam, The Netherlands, 2 Academic Medical Center, Tytgat Institute for Liver and GI Research, Amsterdam, The Netherlands, 3 Academic Medical Center, Respiratory Medicine and Allergy, Amsterdam, The Netherlands, 4 Academic Medical Center, Pathology, Amsterdam, The Netherlands, 5 Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands, 6 Nutricia Research, Nutricia Advanced Medical Nutrition, Amsterdam, The Netherlands, 7 UMC Utrecht, Dermatology and Allergology, Utrecht, The Netherlands

451 Polyphenol-enriched plant extracts differently modulate skin, lung and esophageal allergic inflammation

Holvoet S. 1, Doucet-Ladeveze R. 1, Perrot M. 1, Barretto C. 1, Nutten S. 1, Blanchard C. 1

1 Nestle Research Center, Lausanne, Switzerland

452 Eosinophilic esophagitis in adults: results from our follow-up

Martignago I. 1, Melli V. 1, Bonzano L. 1, Erminia R. 1

1 University of Parma, Clinical and Sperimental Medicine, Parma, Italy

453 Filaggrin and periostin in eosinophilic esophagitis

Vasiliou M. 1, Angelakopoulou A. 2, Politi E. 3, Grapsa D. 3, Zande M. 4, Roma E. 2, Panagiotou I. 2, Syrigou E. 4

1 GPP ‘Sotiria’ General Hospital, University of Athens, Medical School, Athens, Greece, 2 First Department of Paediatrics, University of Athens, School of Medicine, Athens, Greece, 3 Cytopathology Department, Aretion Hospital, University of Athens, School of Medicine, Athens, Greece, 4 Allergy Department, ‘Sotiria’ General Hospital, Athens, Greece

454 A phenotypical approach of Greek pediatric population with FPIES

Kitsiouli N.A. 1, Xepapadaki P. 1, Kostoudi S. 1, Douladiris N. 1, Manousakis E. 1, Papadopoulos N.G. 1,2

1 University of Athens, Allergy Unit, Athens, Greece, 2 University of Manchester, Manchester, United Kingdom

455 Food protein-induced enterocolitis syndrome (FPIES) for Razor Shell (Ensis sp.)

Montecchiani V. 1, Zurbano Azqueta L. 1, De Las Vecillas L. 1

1 Hospital Universitario Marques de Valdecilla, Santander, Spain

456 Food protein-induced enterocolitis syndrome caused by fish: clinical features of a children population in Madrid

Sanchez M. 1, Rodriguez A. 1, Zapatero L. 1, Alvarez-Perea A. 1, Fuentes-Aparicio V. 1, Infante S. 1

1 Hospital Materno-Infantil Gregorio Marañón, Madrid, Spain

457 Establishing the prevalence of low vitamin D levels in children with non-IgE mediated gastrointestinal food allergy

Foong R.-X.M. 1,2, Meyer R. 1, Dzubak R. 1,2, Chebar Lozinsky A. 1, Godwin H. 1, Reeve K. 1, Hussain S.T. 1, Nourzaie R. 1, Shah N. 1,2

1 Great Ormond Street Hospital for Children NHS Foundation Trust, Paediatric Gastroenterology Department, London, United Kingdom, 2 University College of London/Institute of Child Health, London, United Kingdom, 3 Imperial College of London, London, United Kingdom, 4 Barts and the London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom

458 Presenting symptoms of Non-IgE mediated milk allergy in a cohort of infants in a UK allergy clinic

Mistry A. 1, Luyt D. 1

1 Leicester Royal Infirmary, Paediatric Allergy, Leicester, United Kingdom

459 Characteristics of single and multiple food allergic infants with proctocolitis

Koksal B. 1, Baris Z. 2, Ozcan F. 2, Yilmaz Ozbek O. 1

1 Baskent University Ankara Hospital, Pediatric Allergy, Ankara, Turkey, 2 Baskent University Ankara Hospital, Pediatric Gastroenterology, Ankara, Turkey

460 Partially hydrolysed in food protein-induced Allergic proctocolitis (FPAP)

Tsabouri S. 1, Dourou C. 2, Grammeniotis V. 2, Moutopoulou B. 2, Papadopoulos M. 2, Priftis K. N. 2

1 University Hospital of Ioannina, Ioannina, Greece, 2 University Attikon Hospital, Athens, Greece

461 Severity grading of gastrointestinal allergy in infants

Yagi H. 1, Takizawa T. 1, Sato K. 1, Nishida Y. 1, Koyama H. 1, Ishige T. 1, Hatori R. 1, Tatsuki M. 1, Igarashi Y. 1, Arakawa H. 1

1 Gunma University Graduate School of Medicine, Pediatrics, Maebashi, Japan
Sister Society Symposium (SSS 6) 17:30 – 19:00

Allergy in Africa: Interplay between microbes and allergy

Chair: Di Hawarden, South Africa
Habib Douaougui, Algeria

Introduction to the microbiomes relationship with allergy
Jon Genuneit, Germany

Do infectious and environmental differences explain allergy protection in rural African populations?
Michael Levin, South Africa

Effects of Helicobacter pylori on wheeze and allergic diseases in young children: A longitudinal birth cohort study
Alemayehu Amberbir, Ethiopia

Interplay between the gut microbiome and helminth parasites
Elopy Sibanda, Zimbabwe

Questions and answers to all

Sister Society Symposium (SSS 7) 17:30 – 19:00

ACAAI: Special considerations regarding asthma through the ages

Chair: James L. Sublett, United States

What determines the inception and persistence of wheezing in infants and children
Bradley E. Chipps, United States

Adolescents and young adults with refractory exercise symptoms
Stephen A. Tilles, United States

Immunomodulation in the treatment of the adult asthmatic
Bryan L. Martin, United States

Business Meeting (BM 13) 17:30 – 18:40

Interest Group Food Allergy – Open to all attendees

Prevention of food allergy: Is this a second wave allergic epidemic or an unrelated phenomenon?
Susan Prescott, Australia

Business Meeting (BM 14) 17:30 – 18:40

Interest Group Primary Care – Open to all attendees

Guidelines in primary care
Aziz Sheikh, United Kingdom

Business Meeting (BM 15) 17:30 – 18:40

Interest Group Occupational Allergy – Open to all attendees

Bronchial challenge tests: Are they useful in work-related asthma in cleaners?
Frédéric de Blay, France

Business Meeting (BM 16) 17:30 – 18:40

Interest Group Ocular Allergy – Open to all attendees

Conjunctival vaccines: Where do we stand?
Talin Barisani-Asenbauer, Austria
Business Meeting (BM 17) 17:30 – 18:40
Interest Group Aerobiology and Pollution – Open to all attendees Stolz 2
New stuff in the air: Climate change and health
John R. Balmes, United States

Business Meeting (BM 18) 17:30 – 18:40
Interest Group Biologicals – Open to all attendees Schubert 1-3
What omalizumab taught us about chronic spontaneous urticaria
Marcus Maurer, Germany

Business Meeting (BM 19) 17:30 – 18:40
Interest Group Insect Venom Hypersensitivity – Open to all attendees Schubert 4-6
Insect venom allergy and mastocytosis
Patrizia Bonadonna, Italy

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<td>08:30</td>
<td>PL 4</td>
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<td>Allergy: Cause or consequence of epithelial barrier dysfunction?</td>
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<td>09:00</td>
<td>SYM 36 Anti-Infectives and their potential use in asthma</td>
<td>SYM 37 Specific diagnosis of allergy and allergic diseases</td>
<td>SSS 8 AAAAI: Genomics in allergic disease</td>
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<td>10:00</td>
<td>SYM 42 What's new in asthma genetics</td>
<td>HT 4 Innate immunity controlling allergic diseases</td>
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<td>SYM 47 Bronchiolitis as the first episode of asthma: Aetiology, treatment and prevention</td>
<td>SYM 48 The good, the bad and the ugly: Microbiome versus microbial infections and allergens</td>
<td>SYM 49 Where human and veterinary allergology meet: Food allergy in humans and animals</td>
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<td>12:00</td>
<td>SYM 50 Hypersensitivity to biologicals</td>
<td>SYM 51 Today's perspective on allergen immunotherapy</td>
<td>SYM 52 The challenge of uncontrolled upper airway inflammation</td>
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<tr>
<td>13:30</td>
<td>SYM 38 Itchy skin diseases in childhood and adolescence</td>
<td>SYM 39 Important aspects of venom insect allergy</td>
<td>SYM 40 The challenge of uncontrolled upper airway inflammation</td>
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<td>14:00</td>
<td>SYM 41 Allergy: Definition, Mechanisms, and Treatment</td>
<td>SYM 42 Emerging Allergy Forum: Manipulating immune responses and their potential use in asthma</td>
<td>SYM 43 Different facets of cow's milk hypersensitivity</td>
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<td>SYM 44 Allergy: Definition, Mechanisms, and Treatment</td>
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<td>SYM 46 B cells: More than antibody producers?</td>
<td>SYM 47 Sublingual Immunotherapy for allergic rhinitis</td>
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<td>SYM 49 The challenge of uncontrolled upper airway inflammation</td>
<td>OAS 19 Asthma: Prevention and treatment of severe asthma</td>
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<td>SYM 50 Hypersensitivity to biologicals</td>
<td>SYM 51 Today's perspective on allergen immunotherapy</td>
<td>OAS 20 Clinical Trials on Eosinophilic Esophagitis - Open to all attendees</td>
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<td>SYM 52 The challenge of uncontrolled upper airway inflammation</td>
<td>OAS 21 Allergy: Prevention and treatment of severe asthma</td>
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Lunch and Poster Viewing in the Poster Area
## Programme at a Glance, Tuesday, 14 June 2016

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<td>Filaggrin mutation determines choice of AD treatment</td>
<td>Asthma phenotyping is valuable in clinical decision-making</td>
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### SESSION GUIDE

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### Forum on Emerging Therapies in Severe Asthma

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### Lunch and Poster Viewing

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For more information, visit www.eaaci2016.org
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.

Programme is still subject to change. Please refer to the Congress App for the latest programme.

### Learning Lounges 07:30 – 08:15

**Learning Lounge (LL 8) Business Suite 1**

Human innate lymphoid cells: Where are they and how can we detect them?
Jenny Mjösberg, Sweden

**Learning Lounge (LL 9) Business Suite 2**

When to perform provocation tests to get rid of egg and cow’s milk allergy?
Hugh Sampson, United States

**Learning Lounge (LL 10) Galerie 3+4**

Sublingual immunotherapy for allergic rhinitis
Moises Calderon, United Kingdom

### Plenary Symposium (PL 4) 08:30 – 10:00

**AIT: When and how? Hall A1**

Chairs: Marek Jutel, Poland
Lars K. Poulsen, Denmark

When should AIT start?
Antonella Muraro, Italy

When should AIT Stop?
Gunter Sturm, Austria

When should AIT not be recommended?
Jean Bousquet, France

### Plenary Symposium (PL 5) 08:30 – 10:00

Allergy: Cause or consequence of epithelial barrier dysfunction? Hall A3

Chairs: Thomas Bieber, Germany
Peter Schmid-Grendelmeier, Switzerland

Epithelial responses: Gateway to allergic sensitisation
Hamida Hammad, Belgium

Viral and bacterial products modulating “allergic” inflammation in epithelia
Donna Davies, United Kingdom

Cornification deficiency of the skin and its consequences for allergy
Natalija Novak, Germany

### Symposium (SYM 36) 10:30 – 12:00

Anti-infectives and their potential use in asthma Hall A1

Chairs: Chrysanthi Skevaki, Germany
Michael R. Edwards, United Kingdom

Towards anti-infectives in asthma: the current state of the art
Musa Khaitov, Russian Federation

New small molecule inhibitors of RSV
John DeVincenzo, United States

Experimental human infection models for asthma exacerbations: expediting the use of anti-virals in asthma
Michael R. Edwards, United Kingdom
Symposium (SYM 37) 10:30 – 12:00

Specific diagnosis of allergy and allergic diseases  
Hall A2

Chairs: Pascal Demoly, France  
Stefan Vieths, Germany

Improving allergens for diagnosis  
Rudolf Valenta, Austria

Improving allergy diagnosis by optimal allergen selection  
Ludger Klimek, Germany

Regulatory challenges for ensuring top quality diagnosis in Europe  
Carlo Pini, Italy

Symposium (SYM 38) 10:30 – 12:00

Itchy skin diseases in childhood and adolescence  
Hall B1

Chairs: Stephan Weidinger, Germany  
Eric Simpson, United States

Clinical appearance and differential diagnosis  
Hagen Ott, Germany

Chronic spontaneous urticaria: Add-on therapies  
Clive Grattan, United Kingdom

Atopic dermatitis  
Peter Schmid-Grendelmeier, Switzerland

Symposium (SYM 39) 10:30 – 12:00

Important aspects of venom insect allergy  
Hall B2

Chairs: Dario Antolín-Amérigo, Spain  
Hanneke Oude Elberink, The Netherlands

Diagnosis of insect venom allergy: Update 2016  
Markus Ollert, Luxembourg

VIT: When to stop?  
Arthur Helbling, Switzerland

ACE Inhibitor and betablockers: A risk in insect venom allergy?  
Franziska Rüff, Germany

Symposium (SYM 40) 10:30 – 12:00

The challenge of uncontrolled upper airway inflammation  
Strauss 1+2

Chairs: Peter Hellings, Belgium  
Joaquim Mullol, Spain

Allergic rhinitis  
Ralph Mösges, Germany

Non-allergic rhinitis  
Wytske Fokkens, The Netherlands

Rhino-sinusitis  
Philippe Gevaert, Belgium

Symposium (SYM 41) 10:30 – 12:00

Primary immunodeficiencies  
Lehar 3

Chairs: Isabella Quinti, Italy  
Martin van Hagen, The Netherlands

Primary immunodeficiencies: A continuously evolving story  
Bodo Grimbacher, Germany

T regulatory cells and primary immunodeficiencies  
Anna Sediva, Czech Republic

Genetic effects of phagocytes as cause for PID  
Taco Kuijpers, The Netherlands
Workshop (WS 7) 10:30 – 12:00
Nutrition and asthma
Chairs: Nikos Papadopoulos, Greece
Louis Bont, The Netherlands

- Is there a role for antioxidants in the treatment of asthma?
  - Ömer Kalayci, Turkey

- Vitamin D in uncontrolled asthma
  - Augusto A. Litonjua, United States

- Do certain foods prevent asthma?
  - George Konstantinou, Greece

Sister Society Symposium (SSS 8) 10:30 – 12:00
AAAAI: Genomics in allergic disease
Chair: Thomas Fleisher, United States

- Loeys-dietz syndrome: A monogenic presentation of allergic disease
  - Pamela Guererro, United States

- Explanation of tissue specificity of allergic disease revealed through molecular and genetic dissection of eosinophilic esophagitis
  - Marc Rothenberg, United States

- An update on the genetics of atopic dermatitis
  - Kathleen Barnes, United States

Sister Society Symposium (SSS 9) 10:30 – 12:00
WAO World Allergy Forum: Emerging anti-cytokine therapies in severe asthma
Chair: Mario Sanchez Borges, Bolivarian Republic of Venezuela
Antonella Muraro, Italy

- Cytokine families and receptors as targets for treatment in severe asthma
  - Thomas Casale, United States

- Cytokine disruptive therapies in severe asthma
  - Sally Wenzel, United States

- Eosinophilic directed therapies in severe asthma
  - William Busse, United States

Junior Members (JMs) 10:30 – 12:00
JM Case Reports Session
Chair: Alberto Alvarez Perea, Spain
Ibon Egiluz-Gracia, Spain

- Anaphylaxis caused by mosquito allergy in systemic mastocytosis: a causal relationship
  - Sarre M.E.1, Lavigne C.2, Beauvillain C.3, Renier G.2, Drouet M.1
  - 1Angers University Hospital, Allergology, Angers, France,
  - 2Angers University Hospital, Internal Medicine, Angers, France,
  - 3Angers University Hospital, Immunology and Allergology Laboratory, Angers, France

- Cephalopods and bivalve allergy: a new protein different to tropomyosin?
  - Campos-Suarez G.1, Jimeno-Nogales L.2, Posadas-Miranda T.1, Requena-Quesada G.1, Perez-Padilla C.I.1, Garcia-Campos J.1
  - 1Hospital Vithas Xanit International, Allergy, Benalmádena, Spain, 2R&D Department ALK-Abelló, Madrid, Spain

- Two cases of severe vernal kerato-conjunctivitis successfully treated with omalizumab and monitored by conjunctival cytology
  - Picardi G.1, Liuzzo M.T.1, Sicilii S.1, Nicolosi G.1, Pistorio M.P.1, Crimi N.1, Heffler E.1
  - 1University of Catania, Respiratory Medicine & Allergy - Clinical and Experimental Medicine, Catania, Italy

- Successful renal transplantation in a patient with a Wiskott-Aldrich syndrome
  - Chovancova Z.1,2, Kuman M.3, Vikova M.1,2, Litzman J.1,2
  - 1St. Anne’s University Hospital in Brno, Department of Clinical Immunology and Allergy, Brno, Czech Republic,
  - 2Masaryk University, Faculty of Medicine, Brno, Czech Republic,
  - 3Cardiovascular and Transplant Surgery Centre, Brno, Czech Republic
1087 Was bee venom immunotherapy a trigger for eosinophilic esophagitis?
Amaral L. 1, Rodrigues S. 2, Coimbra A. 1
1 Serviço de Imunoalergologia, Centro Hospitalar São João, Porto, Portugal, 2 Serviço de Gastroenterologia, Centro Hospitalar São João, Porto, Portugal

987 Occupational asthma caused by Krill allergy
Peris Tortajada A. 1, Perales Chorda C. 1, Pacheco Coronel MV. 1, El Qutob D. 2, Gustamante Orvay L. 3, Jimeno Noqales L. 3
1 Hospital Universitari i Politècnic La Fe, Allergy, Valencia, Spain, 2 Hospital La Plana, Vila-Real, Spain, 3 R&D Department ALK-Abelló, Madrid, Spain

1265 Hyperosinophilia and recurrent angioedema in a patient with giant cell arteritis: a diagnostic “glitch” in a case of Gleich’s syndrome
Losa F. 1, Firinu D. 1, Murgia G. 1, Manconi P.E. 1, Del Giacco S.R. 1
1 Università degli Studi di Cagliari, Dipartimento di Scienze Mediche ‘M. Aresu’, Monserrato, Italy

Management of drug allergy

Chairs:
Patrizia Bonadonna, Italy
Marina Atanaskovic-Markovic, Serbia

Session roadmap
Patrizia Bonadonna, Italy

97 The efficacy of Icatibant for angiotensin-converting enzyme inhibitor-induced angioedema in adults: primary and secondary endpoint outcomes of a phase 3 randomized Controlled Trial
1 University of Cincinnati, Department of Internal Medicine, Cincinnati, United States, 2 SUNY Downstate Medical Center / Kings County Hospital Medical Center, Department of Emergency Medicine, Brooklyn, United States, 3 Wayne State University, Department of Emergency Medicine and Cardiovascular Research Institute, Detroit, United States, 4 Manchester Royal Infirmary, Emergency Department, Manchester, United Kingdom, 5 Queen’s University, Department of Emergency Medicine, Kingston, Canada, 6 University of Cincinnati, Department of Emergency Medicine, Cincinnati, United States, 7 Shire, Clinical Development, Waynes, United States, 8 Shire, Biostatistics, Lexington, United States, 9 Shire, Clinical Development, Lexington, United States

836 Uncontrolled allergic rhinoconjunctivitis to pollen and a new oral allergy syndrome with fresh fruits: should we take a top down or a bottom up approach?
Santos N. 1, Bartolomé B. 2, Delgado L. 3, 4, Plácido J.L. 5
1 Centro Hospitalar do Algarve - Portimão, Allergy and Clinical Immunology Unit, Portimão, Portugal, 2 Research and Development Department, Bial-Aristegui, Bilbao, Spain, 3 Faculty of Medicine, University of Porto, Laboratory of Immunology, Basic and Clinical Immunology Unit, Porto, Portugal, 4 Faculty of Medicine, University of Porto, Center for Research in Health Technologies and Information Systems (CINTESIS), Porto, Portugal, 5 Centro Hospitalar de São João, EPE, Allergy and Clinical Immunology Department, Porto, Portugal

929 Occupational asthma due to ferrimanitol ovalbumin mediated by IgE
Valverde Monoe M. 1, Balugo Lopez V. 1, Sastre B. 1, Fernandez Nieto M.D.M. 2, Del Pozo V. 1, Sastre J. 1
1 Fundación Jimenez Díaz, Alergiología, Madrid, Spain

928 Asthma associated with occupational exposure to mushrooms
Carolina F. 1, Miranda M. 1, Badas J. 1, Leão L. 1, Pineda De la Losa F. 2, Plácido J.L. 1
1 Centro Hospitalar Sào João E.P.E., Serviço de Imunoalergologia, Porto, Portugal, 2 DIATER Laboratorios, Departamento Aplicaciones, Madrid, Spain

Evaluation of the left ventricular systolic function with the measurement of global strain by three dimensional echocardiography in the patients who experienced anaphylaxis
Demir S. 1, Atici A. 2, Coskun R. 1, Olgac M. 1, Unal D. 1, Sarikaya R. 2, Colakoğlu B. 1, Gelincik A. 1, Oflaz H. 2, Buyuozturk S. 1
1 Istanbul University Istanbul Faculty of Medicine, Immunology and Allergy Disease Division of Internal Medicine, Istanbul, Turkey, 2 Istanbul University Istanbul Faculty of Medicine, Cardiology, Istanbul, Turkey

99 Diagnosis and prevention of non-allergic hypersensitivity reactions caused by iodinated contrast media-our experience
Sojic-Rajcic J. 1, Raskovic S. 2, Tomic-Spiric V. 2, Peric-Popadic A. 2, Diuric V. 2, Radulovic D. 3, Milicic B. 4, Bagic M. 2
1 Clinic for Allergology and Immunology, Clinical Center of Serbia, One Day Clinic Department, Belgrade, Serbia, 2 Faculty of Medicine, University of Belgrade, Clinic of Allergology and Immunology, Clinical Center of Serbia, Belgrade, Serbia, 3 Faculty of Medicine, University of Belgrade, Neurosurgical Clinic, Clinical Center of Serbia, Belgrade, Serbia, 4 School of Dentistry University of Belgrade, Department of Medical Statistic and Informatics, Belgrade, Serbia
100 Allergy study of adverse reactions to iodinated contrast media: searching for a safer alternative
Bazire R.1,2, Vega F.1,2, Belver M.T.1,2, Las Heras P.1,2, Argiz L.1,2, Blanco C.1,2
1Hospital Universitario de la Princesa, Allergy, Madrid, Spain, 2Instituto de Investigación Sanitaria Princesa, Madrid, Spain

101 Management of hypersensitivity reactions to proton pump inhibitors: a retrospective experience
Kepil Ozdemir S.1, Öner Erkekol F.2, Unal D.3, Büyüktürk S.3, Gelincik A.1, Dursun A.B.4, Karakaya G.5, Babek S.6
1Diskapi Yildirim Beyazit Training and Research Hospital, Division of Allergy and Immunology, Ankara, Turkey, 2Atatürk Chest Diseases and Thoracic Surgery Training and Research Hospital, Department of Chest Diseases, Division of Allergy and Immunology, Ankara, Turkey, 3Istanbul University, 4Brigham and Women's Hospital and Harvard Medical School, Boston, United States, 5Erasmus University Rotterdam, Division of Pharmacoepidemiology & Clinical Pharmacology, Utrecht, The Netherlands, 6Ankara University School of Medicine, Department of Internal Medicine Division of Allergy, Istanbul, Turkey

102 The role of in vivo tests in the diagnosis of macrolide hypersensitivity and their significance in cross-reactivity
Unal D.1, Coskun R.1, Demir S.1, Gelincik A.1, Colakoglu B.1, Buyukozturk S.1
1Istanbul University, Department of Internal Medicine Division of Allergy, Istanbul, Turkey

Oral Abstract Session (OAS 18)
10:30 – 12:00
Definition, phenotypes and prevention of pediatric asthma
Lehar 4

Chair: Arzu Bakirtas, Turkey
Session roadmap
Arzu Bakirtas, Turkey

103 Defining uncontrolled childhood asthma in the global PICA consortium
1Utrecht University, Division of Pharmacopidemiology & Clinical Pharmacology, Utrecht, The Netherlands, 2Singapore Immunology Network, Agency for Science, Technology and Research, Singapore, Singapore, 3University of Dundee, Ninewells Hospital and Medical School, Dundee, United Kingdom, 4Brigham and Women’s Hospital and Harvard Medical School, Channing Division of Network Medicine, Dept. of Medicine, Boston, United States, 5Erasmus University Medical Center, Rotterdam, The Netherlands, 6University of California San Francisco, San Francisco, United States, 7CIBER de Enfermedades Respiratorias, Instituto de Salud Carlos III, Madrid, Spain, 8Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden, 9University of Liverpool, Liverpool, United Kingdom, 10Alder Hey Children’s Hospital, Liverpool, United Kingdom, 11University of British Columbia, St. Paul’s Hospital, Division of Respirology, Dept. of Medicine, Vancouver, Canada, 12University of Dundee, Division of Maternal and Child Health Sciences, Ninewells Hospital, Dundee, United Kingdom, 13National University of Singapore, Singapore, Singapore, 14University of Copenhagen, COOPSAC, Copenhagen Prospective Studies on Asthma in Childhood, Herlev and Gentofte Hospital, Copenhagen, Denmark, 15Democritus University of Thrace, Laboratory of Pharmacology, Medical School, Alexandroupolis, Greece, 16University Children’s Hospital Regensburg (KUNO), Regensburg, Germany, 17Hannover Medical School, Hannover, Germany, 18University Medical Center Groningen, University of Groningen, Dept. of Pediatric Pulmonology, Groningen, 19University of Maribor, Centre for Human Molecular Genetics and Pharmacogenomics, Maribor, Slovenia, 20Pharmaceutical Outcomes Programme, Child and Family Research Institute, Vancouver, Canada, 21Child Health, University of Aberdeen, Aberdeen, United Kingdom

104 How should we define current asthma in epidemiological studies?
Silva D.1,2, Martins C.1,2, Pinto M.1,2, Ro Ju.J.1,2,3,4, Paciência I.1,2,3,4, Severo M.1, Moreira P.1, Padrão P.1, Delgado L.1,2, Madureira J.4, Oliveira Fernandes E.4, Moreira A.1,2
1Centro Hospitalar de São João, Servizo de Imunoalergologia, Porto, Portugal, 2Faculty of Medicine, University of Porto, Porto, Portugal, 2Institute of Mechanical Engineering and Industrial Management, Porto, Portugal, 3Institute of Science and Innovation in Mechanical Engineering and Industrial Management, Porto, Portugal, 4Public Health Institute, University of Porto, Porto, Portugal, 5Faculty of Nutrition and Food Sciences of the University of Porto, Porto, Portugal

105 Identification of wheeze phenotypes in Turkish children: a single center experience
Demir E.1, Ulusoy E.1, Guven Bilgin R.B.2, Bal C.M.2, Gulen F.3, Tanac R.1
1Ege University Faculty of Medicine, Department of Pediatrics, Pediatric Allergy and Immunology, Izmir, Turkey, 2Ege University Faculty of Medicine, Department of Pediatrics, Izmir, Turkey

106 Asthma predictive index as a useful diagnostic tool for asthma in preschool children with recurrent wheeze
Shim J.Y.1, Hong S.J.2, Standardization of Allergic Diseases 1Sungkyunkwan University School of Medicine/Kangbuk Samsung Hospital, Pediatrics, Seoul, Republic of Korea, 2University of Ulsan/Asan Medical Center, Pediatrics, Seoul, Republic of Korea
107 Dietary exposures during pregnancy, lactation or infancy and risk of allergic diseases: a systematic review and meta-analysis

Garcia-Larsen V.1,2, Ierodiakonou D.3, Khan T.4, Afxentiou T.5, Leonardi-Bee J.6, Reeves T.7, Chivinge J.8, Robinson Z.4, Geoghegan N.9, Jarrold K.9, Andreou E.9, Cunha S.9, Trivella M.9, Boyle R.J.9

1Imperial College London, NHLI, London, United Kingdom, 2Royal Brompton and Harefield Hospitals National Health Service Trust and Imperial College, London, United Kingdom, 3Imperial College London, Paediatrics, London, United Kingdom, 4Imperial College London, Faculty of Medicine, London, United Kingdom, 5Imperial College London, Specialist Registrar in Dermatology, London, United Kingdom, 6University of Nottingham, Notthingham, United Kingdom, 7Imperial College London, Central Library, London, United Kingdom, 8Imperial College London, Imperial Consultants, London, United Kingdom, 9University of Oxford, Centre for Statistics in Medicine, Oxford, United Kingdom

108 Can we prevent childhood asthma?

Erkoçoğlu M.1, Serpen A.F.1, Doğru M.2, Topal E.3, Bekdaş M.4, Dilek M.5, Demircioğlu F.6, Çatal F.7

1Abant Izzet Baysal University Faculty of Medicine, Pediatric Allergy and Immunology, Bolu, Turkey, 2Zeynep Kamil Kadın ve Çocuk Hastalıkları EAH, Pediatric Allergy and Immunology, Istanbul, Turkey, 3İnönü University Faculty of Medicine, Pediatric Allergy and Immunology, Malatya, Turkey, 4Abant Izzet Baysal University Faculty of Medicine, Pediatrics, Bolu, Turkey

Oral Abstract Session (OAS 19) 10:30 – 12:00

Prevention and treatment of food allergy Schubert 1-3

Chairs: Susanne Halken, Denmark
Marco Caminati, Italy

Session roadmap
Susanne Halken, Denmark

109 Distribution of peanut protein in the school and home environment of inner-city children

Sheehan W.J.1,2, Brough H.A.3,4, Richards K.3, Lack G.3,4, Phipatanakul W.1,2

1Boston Children's Hospital, Division of Immunology, Boston, United States, 2Harvard Medical School, Boston, United States, 3King's College London, Guy's Hospital, Department of Asthma, Allergy and Respiratory Science, London, United Kingdom, 4St. Thomas' Hospital, Children's Allergy Service, London, United Kingdom

110 Owning cats or dogs is associated with protection from food allergy and increased diversity of infants’ faecal microbiota at three months


1King's College London, Paediatric Allergy, London, United Kingdom, 2St George’s University, Division of Clinical Developmental Sciences, London, United Kingdom, 3St George’s University, Infection and Immunity Research Institute Bio-informatics Hub, London, United Kingdom, 4Imperial College London, Faculty of Natural Sciences, Life Sciences, London, United Kingdom, 5King’s College London, Institute of Pharmaceutical Science, London, United Kingdom, 6St George’s University of London, Population Health Research Institute, London, United Kingdom, 7Guy’s & St Thomas’ Hospitals NHS Foundation Trust, St John’s Institute of Dermatology, London, United Kingdom

111 Double blind placebo-controlled allergen-specific immunotherapy with the hypoallergenic folded variant of rBet v 1-FV in birch associated soy allergy


1Universität Leipzig, Leipzig, Germany, 2Leipzig Interdisziplinäres Centrum für Allergologie - CAC, Leipzig, Germany, 3Universität Leipzig, ZKS - IMISE, Leipzig, Germany, 4Universität Zürich, Zürich, Switzerland, 5Charite - Universitätsmedizin Berlin, Berlin, Germany, 6Medizinische Hochschule Hannover, Hannover, Germany, 7Helmholtz Forschungszentrum Borstel, Borstel, Germany, 8TU München, München, Germany, 9Universität Tübingen, Tübingen, Germany, 10TU Dresden, Dresden, Germany, 11TU München, München, Germany, 12Klinikum Buxtehude, Buxtehude, Germany, 13Allergie und Asthmazentrum Westend, Berlin, Germany, 14Hautarztpraxis, Kiel, Germany, 15LMU München, München, Germany, 16Universität Mainz, Mainz, Germany, 17Universität Heidelberg, Heidelberg, Germany, 18Universität Rhein Ruhr, Aachen, Germany, 19Paul-Ehrlich-Institute, Langen, Germany
112 Randomized placebo-controlled multicenter clinical trial of wheat gluten oral immunotherapy
1Icahn School of Medicine at Mount Sinai, Medicine, Division of Allergy and Immunology, New York, NY, United States, 2Johns Hopkins University School of Medicine, Pediatrics, Baltimore, MD, United States, 3Stanford University School of Medicine, Medicine, Stanford, CA, United States, 4EMMES Corporation, Rockville, MD, United States

113 Precision medicine in food allergy: use of food protein epitope mapping and machine learning to predict “sustained unresponsiveness” in milk-allergic patients following milk oral immunotherapy
Suarez-Farinas M.1, Chang H.1, Gimenez G.2, Grishina G.2, Getts R.3, Sampson H.A.1
1Icahn School of Medicine at Mount Sinai, Population Health Science and Policy, New York, United States, 2Icahn School of Medicine at Mount Sinai, Medicine, New York, United States, 3Genisphere LLC, Hatfield, United States

114 An amino acid-based formula with synbiotics affects faecal microbiota in Non-IgE mediated cow’s milk allergic infants
1Great North Children’s Hospital, Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom, 2Nutricia Research, Utrecht, The Netherlands, 3Wageningen University, Laboratory of Microbiology, Wageningen, The Netherlands, 4Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands, 5Royal Alexandra Children’s Hospital, Brighton, United Kingdom, 6University Hospital Verona, Verona, Italy, 7Guy’s & St Thomas’ Hospitals NHS Foundation Trust, London, United Kingdom, 8Great Ormond Street Children’s Hospital, London, United Kingdom

115 Safety and tolerability of SCIT-treatment with a chemically modified, aluminum hydroxide adsorbed peanut extract (HAL-MPE1) in peanut allergic patients
Bindslev-Jensen C.1, van Twuijver E.2, Boot D.J.2, El Galta R.2, de Kam P.-J.2, Opstelten D.-J.E.3, Pahlow Mose A.1, Kring Tannert L.1
1Department of Dermatology and Allergy Centre, Odense University Hospital, Odense, Denmark, 2HAL Allergy BV, Medical, Leiden, The Netherlands, 3HAL Allergy BV, Research & Development, Leiden, The Netherlands

116 Effect of the SQ house dust mite sublingual immunotherapy tablet on rhinitis and asthma symptoms in North American adolescents and adults: a randomized, placebo-controlled trial
Nolte H.1, Bernstein D.I.2, Kleine-Tebbe J.2, Sussman G.L.3, Seitzberg D.3, Rehm D.4, Kaur A.1, Li Z.1, Lu S.1, Nelson H.S.6
1Merck & Co., Inc., Kenilworth, United States, 2Bernstein Clinical Research Center and University of Cincinnati, Division of Immunology and Allergy, Cincinnati, United States, 3Allergy & Asthma Center Westend, Berlin, Germany, 4University of Toronto, Toronto, Canada, 5ALK, Hørsholm, Denmark, 6National Jewish Health, Denver, United States

117 Pollen low dose intradermal therapy evaluation (PollenLITE): a double-blind randomised placebo-controlled trial of low-dose intradermal grass pollen immunotherapy in seasonal allergic rhinitis
Slovick A.1, Douiri A.1, Muir R.2, Guerra A.4, Tsiosulos K.5, Hay E.4, Emily L.4, Kelly J.5, Peacock J.4, Ying S.4, Mohamed S.4, Cousins D.4,9,10, Durham S.8, Till S.4,10
1King’s College London, Asthma Allergy and Lung Biology, London, United Kingdom, 2King’s College London, Health and Social Care Research, London, United Kingdom, 3Guy’s & St Thomas’ Hospitals NHS Foundation Trust, Clinical Research Facility, NIHR BRC, London, United Kingdom, 4King’s College Hospital, Asthma Allergy and Lung Biology, London, United Kingdom, 5King’s College London, Asthma Allergy and Lung Biology, London, United Kingdom, 6King’s College Hospital, Clinical Trials Unit, Institute of Psychiatry, London, United Kingdom, 7King’s College Hospital, Health and Social Care Research, London, United Kingdom, 8Imperial College, Allergy and Clinical Immunology, National Heart and Lung Institute, London, United Kingdom, 9MRC-Asthma UK Centre for Allergic Mechanisms of Asthma, MRC, London, United Kingdom, 10University of Leicester, Department of Infection, Immunity and Inflammation, Leicester, United Kingdom

TUESDAY

Oral Abstract Session (OAS 20)
10:30 - 12:00

Safety and efficacy of allergen-specific immunotherapy
Schubert 4-6

Chairs: Oliver Pfaar, Germany

Session roadmap
Oliver Pfaar, Germany
The emerging tolerability and safety profile of COP’s (Contiguous Overlapping Peptides) containing both T and B cell epitopes in patients with birch allergic rhino-conjunctivitis

Simonsen K.1, Kettner A.2, Bindseid-Jensen C.3, Spertini F.4
1Anergis SA, Epilings, Switzerland, 2Anergis SA, Research, Epilinges, Switzerland, 3Odense Research Center for Anaphylaxis, Odense, Denmark, 4Centre Hospitalier Universitaire Vaudois (CHUV), Service d’Immunologie et d’Allergie, Lausanne, Switzerland

ILIT is a similarly effective treatment of grass pollen induced rhinitis for patients with moderate/severe and mild symptoms

Skarup S.H.1, Schmid J.M.1, Skjold T.1, Graumann O.2, Hoffmann H.J.1
1Aarhus University Hospital, Department of Respiratory Diseases and Allergy, Aarhus, Denmark, 2Aarhus University Hospital, Department of Radiology, Aarhus, Denmark

Development and evaluation of a sublingual tablet based on recombinant Bet v 1 in birch pollen-allergic patients

Nony E.1, Le Mignon M.1, Lemoine P.1, Jain K.1, Abiteboul K.1, Arvidsson M.2, Rak S.2, Moingeon P.1
1Stallergenes Greer, Antony, France, 2Sahlgrenska University Hospital, Respiratory Medicine and Allergology, Goteborg, Sweden

A novel disruptive IgE inhibitor: efficacy assessment in non-human primate and human precision-cut lung slices

Wichmann J.1,2, Jiménez-Delgado S.1, Curths C.1,2, Schmitt A.2, Dunker S.1, Jonigk D.3, Braubach P.1, Kaup F.-U.1, Braun A.1, Dämmann E.1,2, Eggel A.4, Sewald K.1, Krause L.2
1Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Hannover, Germany, 2German Primate Center, Göttingen, Germany, 3Hannover Medical School, Hannover, Germany, 4University Hospital Bern, Bern, Switzerland

Towards a non-allergenic peptide mix containing the T cell epitopes of the clinically most relevant house dust mite allergens for tolerance induction

Huang H.-J.1, Curin M.1, Banerjee S.1, Chen K.-W.1, Garmatiuk T.1, Resch Y.1, Campana R.1, Focke-Tejkl M.1, Valenta R.1, Vrtala S.1
1Medical University of Vienna, Vienna, Austria

Searching for drug targets – Are Solute Carrier (SLC) transport proteins a promising target on human naive and activated CD4+ T cells

Graessel A.1, Krause L.2, Suttner K.1, Schmidt-Weber C.1, Blank S.1
1Center of Allergy and Environment (ZAUM) - Technische Universität and Helmholtz Zentrum München, Munich, Germany, 2Institute of Computational Biology, Helmholtz Zentrum München, Munich, Germany

Altered presentation of IgE epitopes on allergens plays a critical role in allergenic activity

Najafi N.1, Hofer G.2, Blatt K.3, Selb R.4, Stoecklanger A.2, Keller W.2, Valent P.1, Niederberger V.4, Thalhammer J.3, Valenta R.1, Flicker S.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2University of Graz, Institute of Molecular Biosciences, Graz, Austria, 3Medical University of Vienna, Department of Internal Medicine I, Vienna, Austria, 4Medical University of Vienna, Department of Otorhinolaryngology, Vienna, Austria, 5University of Salzburg, Department of Molecular Biology, Salzburg, Austria

Alterations in cross-epithelial barrier integrity and inhalant allergy sensitivity in children

Yilmaz O.1, Simsek Y.1, Inan S.2, Eskiizmirli G.4, Pınar E.3, Kanik E.1, Yuksel H.1
1Celal Bayar University Medical Faculty, Pediatric Allergy and Pulmonology, Manisa, Turkey, 2Celal Bayar University Medical Faculty, Histology and Embryology, Manisa, Turkey, 3Celal Bayar University, Pediatrics, Manisa, Turkey, 4Celal Bayar University Medical Faculty, Otolaryngology (ENT), Manisa, Turkey, 5Ataturk Training and Research Hospital, Otolaryngology (ENT), Izmir, Turkey

Isolation and characterization of an IgG-derived ScFv specific for the major birch pollen allergen Bet v 1 from a healthy donor immunized with hypoallergenic Bet v 1 fragments: high affinity binding despite germline configuration – challenging the principle of affinity maturation

Gadermaier E.1,2, Marth K.1, Blatt K.2, Lupinek C.1, Roder U.3, Focke-Tejkl M.1, Vrtala S.1, Valent P.1, Valenta R.1, Flicker S.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Internal Medicine I, Vienna, Austria, 3GE Healthcare Europe GmbH, Freiburg, Germany

Human rhinovirus 1B infection enhances IL4-induced IgE synthesis by PMBCs

Chalubinski M.1,2, Szulc A.1, Jarzewska M.1, Kowalski M.L.1,2, McKenna O.E.1, Wallner M.1, Abfalter C.M.1, Schmitt A.O.2, Briza P.1, Wesseler S.1, Ferreira F.1
1Medical University of Lodz; Healthy Ageing Research Center, Dept. of Immunology, Rheumatology and Allergy, Lodz, Poland, 2Medical University of Lodz, Dept. of Internal Diseases and Clinical Pharmacology, Lodz, Poland

The role of proteases in allergic sensitisation to birch pollen

McKenna O.E.1, Wallner M.1, Abfalter C.M.1, Schmitt A.O.2, Briza P.1, Wesseler S.1, Ferreira F.1
1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Free University of Bozen, Bozen, Italy
470 Rise in total IgE levels during omalizumab therapy is not due to induction of IgE production
1Medical University of Vienna, Department of Otorhinolaryngology, Vienna, Austria, 2Medical University of Vienna, Clinical Institute for Laboratory Medicine, Vienna, Austria, 3Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 4Medical University of Vienna, Department of Internal Medicine I, Division of Hematology and Hemostaseology, Vienna, Austria, 5Medical University of Vienna, Center for Medical Statistics, Informatics, and Intelligent Systems, Vienna, Austria, 6Allergiezentrum Wien West, Vienna, Austria, 7Ghent University Hospital, Upper Airway Research Laboratory, Ghent, Austria

471 Regulation of allergen-specific immune responses through the human members of the T cell immunoglobulin and mucin domain (TIM) family
Hennig A.1, Leitner J.1, Jütz S.1, Rosskopf S.1, Steinberger P.1
1Center for Pathophysiology, Infectiology and Immunology, Medical University Vienna, Institute of Immunology, Vienna, Austria

Poster Discussion Session (PDS 23) 10:30 – 12:00

472 Effect of sublingual bacterial immunostimulation on the proliferative capacity and cytokine production of splenocytes from immunized mice
Diez-Rivero C.M.1, Tejera-Alhambra M.1, Guzmán-Fulgencio M.1, Caballero R.1, Soria Castro I.1, López Relaño J.2, Fernández-Caldas E.1, Subiza J.L.1,2, Casanovas M.1
1Immunotek S.L., Alcalá de Henares, Spain, 2Hospital Clínico San Carlos, Madrid, Spain

473 Regulatory impact of probiotic bacteria on immune system gene expression
Titov LP.1, Chehovich NJ.1, DuBuske LM.2,3
1Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

474 Modulatory capacities and possible implications of soluble Fc-epsilon RI in the IgE-mediated immune response
Mohino-Romero S.1, Bannert C.1, Schmidthaler K.1, Diesner SC.1, Eiwegger T.3, Dehlink E.1, Fiocchi A.1, Amoah A.S.4, Yazdanbakhsh M.4, Böhle B.3, Fieberiger E.3, Szépfalusi Z.1
1Medical University of Vienna, Department of Pediatrics, Vienna, Austria, 2University of Toronto, Hospital for Sick Children, Department of Pediatrics, Toronto, Canada, 3Hospital Bambino Gesù in Rome, Rome, Italy, 4Leiden University Medical Centre, Department of Parasitology, Leiden, The Netherlands, 5Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 6Harvard Medical School, Department of Pediatrics, Boston, United States

475 The mixture of siRNAs targeted to IL-4 and IL-13 genes effectively reduces of the airway hyperresponsiveness and allergic inflammation in a mouse model of asthma
Sundukova M.1, Shilovskiy I.1, Babakhin A.1, Gaisina A.1, Kamishnikov O.1, Khaitov M.1
1National Research Center - Institute of Immunology of the Russian Federation

476 Novel nanoparticles blocking IL4Ra signaling efficiently control lung inflammation
Halwani R.1, Sultana Shaik A.2, Ratemi E.3, Afzal S.5, Al-Muhsen S.1, Al Faraj A.4
1King Saud University, Prince Naif Center for Immunology Research, Pediatrics Department, College of Medicine, Riyadh, Saudi Arabia, 2King Saud University, Prince Naif Center for Immunology Research, Riyadh, Saudi Arabia, 3Jubail Industrial College, Department of Chemical and Process Engineering Technology, Jubail Industrial City, Saudi Arabia, 4King Saud University, Department of Radiological Sciences, College of Applied Medical Sciences, Riyadh, Saudi Arabia

477 Role of protease inhibitor in allergic sensitization and effector phase response in mouse
Saw S.1, Agrawal K.1, Arora N.1
1CSIR-Institute of Genomics and Integrative Biology, Delhi, India

478 The effect of a single exposure to house dust mite allergens on gene expression in the airways of wild type and 12/15-lipoxygenase knockout mice
Kowal K.1, Sacharzewska E.1, Bernatowicz P.1, Bielecki P.1, Kowal-Bielecka O.1
1Medical University of Bialystok, Bialystok, Poland

479 Development of experimental allergic asthma model using birch pollen allergenic extract
Laskin AA.1, Babakhin AA.1, Kamishnikov O.Y.1, Andreev S.M.1, Andreev I.V.1, Martinov A.I.1, Khaitov M.R.1
1National Research Center - Institute of Immunology of Federal Medico-Biology Agency of Russia, Moscow, Russian Federation
480 Regulatory T cell depletion abolishes the protective effect of dietary galacto-oligosaccharides on eosinophilic airway inflammation in house dust mite-induced asthma
1Utrecht University, Utrecht, The Netherlands, 2EPIRUS Biopharmaceuticals, Utrecht, The Netherlands, 3Nutricia Research, Utrecht, The Netherlands

481 Galectin-9 enhances the effect of allergen-specific sublingual immunotherapy in a Dermatophagoides farinae-induced mouse model of chronic asthma
Ikeda M., Katoh S., Shimizu H., Ohue Y., Hasegawa A., Doi K., Oka M.
1Kawasaki Medical School, Department of Respiratory Medicine, Kurashiki, Japan, 2Torii Pharmaceutical, Research Laboratories, Sakura, Japan

482 Epicutaneous immunotherapy with a hypoallergenic Bet v 1 suppresses asthmatic features in a murine model of birch pollen allergy
1Paul-Ehrlich-Institut, Langen, Germany, 2Johannes Gutenberg University Mainz, Mainz, Germany, 3Research Centre Borstel, Borstel, Germany, 4National Institute of Infectious Diseases, Tokyo, Japan, 5Leiden University Medical Centre, Leiden, The Netherlands

483 Choline chloride attenuates the allergic airway disease by inhibiting the lysophosphatidylcholine induced allergic manifestation
Bansal P., Gaur S.N., Arora N.
1CSIR-Institute of Genomics and Integrative Biology, Delhi, India, 2Vallabhbhai Patel Chest Institute, University of Delhi, Pulmonary Medicine, Delhi, India

484 Lung expression of IL-33 is not increased in ovalbumin-induced murine asthma model
1National Research Center - Institute of Immunology, FMBA of Russia, Moscow, Russian Federation, 2Mechnov Research Institute for Vaccines and Sera, Moscow, Russian Federation

485 Time-dependent bone marrow neutrophil activation during induced allergic airway inflammation
Servuli E., Postovskaya A., Troyanova N., Fedorina A.S., Shevchenko M.
1Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Immunology, Moscow, Russian Federation, 2Lomonosov Moscow State University, Biology, Moscow, Russian Federation

486 PKR activation can induce endoplasmic reticulum stress in neutrophilic severe asthma
1Chonbuk National University Medical School, Department of Internal Medicine, Jeonju, Republic of Korea

487 Roflumilast ameliorates airway hyper-responsiveness caused by diet-induced obesity in a murine model
1Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea, 2Division of Allergy and Immunology, Department of Internal Medicine, Institute of Allergy, Yonsei University College of Medicine, Seoul, Republic of Korea

488 Changes in epithelial barrier components E-cadherin, beta-catenin, EGF with steroid treatment in murine model
Yuksel H., Yilmaz O., Karaman M., Firinci F., Turkeli A., Kanik E., Inan S.
1Celal Bayar University Medical Faculty, Pediatric Allergy and Pulmonology, Manisa, Turkey, 2Dokuz Eylul University Medical Faculty, Pediatric Allergy and Immunology, Izmir, Turkey, 3Celal Bayar University Medical Faculty, Histology and Embryology, Manisa, Turkey, 4Celal Bayar University Medical Faculty, Manisa, Turkey
**Atopic and contact dermatitis**

**Poster Discussion Session (PDS 24)**

**Poster Discussion Zone 3**

**Chairs:** Thomas Werfel, Germany
Radoslaw Spiewak, Poland

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**489 The effect of cord serum 25-hydroxyvitamin D (25(OH)D) on the development of atopic dermatitis (AD) in first 3 years of life: COCOA study**


1Childhood Asthma Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 2CHA Medical Center, CHA University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 3Asan Institute for Life Sciences and University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 4Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 5Samsung Medical Center, Sungkyunkwan University School of Medicine, Environmental Health Center for Atopic Disease, Samsung Medical Center, Department of Pediatrics, Seoul, Republic of Korea, 6Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 7Yonsei University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 8Seoul National University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 9Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 10Samsung Medical Center, Sungkyunkwan University School of Medicine, Department of Obstetrics and Gynecology, Seoul, Republic of Korea, 11Yonsei University College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 12Seoul National University College of Medicine, Department of Obstetrics and Gynecology, Seoul, Republic of Korea, 13COCOA

**490 Genetic variants in the epidermal differentiation complex (EDC) genes on chromosome 1q21 are associated with atopic dermatitis. An effect independent of filaggrin mutations?**

Debinska A.1, Danielewicz H.1, Drabik-Chamerska A.1, Kalita D.1, Boznański A.1

1Wroclaw Medical University, 1st Department and Clinic of Paediatrics, Allergology and Cardiology, Wroclaw, Poland

**491 Filaggrin-independent development of allergic skin lesions in the mouse model for human atopic dermatitis**

Tanaka A.1, Jang H.1, Matsuda H.1

1Tokyo University of Agriculture and Technology, Tokyo, Japan

**492 Implicated role of neonatal skin toward atopic dermatitis development in capsaicin-induced AD rat model**

Kee S.-H.1,2, Kim S.2,3, Back S.K.4, Yoo Y.2,5, Na H.S.6

1Department of Microbiology, College of Medicine, Korea University, Seoul, Republic of Korea, 2Allergy and Immunology Center, Korea University, Seoul, Republic of Korea, 3Korea University, College of Medicine, Department of Microbiology, Munsuk Building 606, Seoul, Republic of Korea, 4Department of Physiology, Konyang University, Daejeon, Republic of Korea, 5Department of Pediatric, College of Medicine, Korea University, Seoul, Republic of Korea, 6Department of Physiology, College of Medicine, Korea University, Seoul, Republic of Korea

**493 Altered gut microbial composition at 6 months associated with atopic dermatitis in 12 months old infants**

Lee S.-Y.1,2, Kana M.-J.3, Lee E.1, Kim K.6, Won S.1, Kim B.-S.5, Yang S.I.1, Hong S.-J.2

1Hallym University Sacred Heart Hospital, Anyang, Republic of Korea, 2Asan Institute for Life Sciences, University of Ulsan College of Medicine, Seoul, Republic of Korea, 3Childhood Asthma and Atopy Center, Environmental Health Center, Asan Medical Center, University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 4Seoul National University, Department of Public Health Science, Seoul, Republic of Korea, 5Graduate School of Public Health, Seoul National University., Seoul, Republic of Korea, 6Hallym University, Department of Life Sciences, Chuncheon, Republic of Korea

**494 miRNA changes after probiotics supplement in atopic dermatitis**

Wang I.-J.1,2,3, Chi C.-H.4

1Department of Pediatrics, Taipei Hospital, Ministry of Health and Welfare, Taipei, Taiwan, 2National Yang-Ming University, Taipei, Taiwan, 3China Medical University, Taichung, Taiwan, 4Department of Laboratory Medicine, Taipei Hospital, Ministry of Health and Welfare, Taipei, Taiwan

**495 mir-432 suppressed inflammation in atopic dermatitis-like animal model**

Wonsuck Y.1, Kim E.1, Kim H.J.1, Choung J.T.1, Yoo Y.1

1Allergy Immunology Center, College of Medicine, Seoul, Republic of Korea, 2Korea University, College of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 3Korea University, College of Medicine, Seoul, Republic of Korea

**496 Staphylococci and acute / chronic form of atopic dermatitis in children**

Kudryavtseva A.1, Savvina J.1, Neskorodova K.1, Morozova O.2

1I.M. Sechenov First Moscow State Medical University, Pediatrics Hospital, Moscow, Russian Federation, 2I.M. Sechenov First Moscow State Medical University, Microbiology Lab, Russian Federation
4507 Reliability and validity of the atopic dermatitis symptom score
Lee J.Y.1,2, Kim M.1,2, Yang H.-K.1,2, Lee J.2, Kim H.M.2, Kim Y.M.2, Kim J.1,2, Cheong H.-K.3, Ahn K.1,2
1Samsung Medical Center, Sungkyunkwan University School of Medicine, Department of Pediatrics, Seoul, Republic of Korea, 2Environmental Health Center for Atopic Diseases, Samsung Medical Center, Seoul, Republic of Korea, 3Sungkyunkwan University School of Medicine, Department of Social and Preventive Medicine, Suwon, Republic of Korea

4508 How reliable is atopic dermatitis on the internet?
Uzay Çetinkaya P.1, Güvenir H.2, Çetinkaya E.1, Kocabas C.N.3
1Mugla Sıtkı Koçman University, Department of Pediatric, Mugla, Turkey, 2Children’s Hematology Oncology Education and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 3Mugla Sıtkı Koçman University, Department of Pediatric Allergy and Immunology, Mugla, Turkey

4509 Omalizumab treatment in severe atopic dermatitis
Aguir R.1, Lopes A.1, Mendes A.1, Costa A.C.1, Cabral Duarte F.1, Alonso E.1, Spinola Santos A.1, Pedro E.1, Pereira-Barbosa M.2
1Hospital Santa Maria-Centro Hospitalar Lisboa Norte, Immunologyallergology Department, Lisboa, Portugal, 2University Clinic of Immunologyallergology, Faculdade de Medicina da Universidade de Lisboa, Lisboa, Portugal

501 Sensitive skin and their allergy frequencies in Shanghai women
Kim S.1, Oh M.1, Han J.1, Joo K.1, Chu L.2, Kwak I.2, An S.1
1Amorepacific Corporation R&D Center, Yongin-si, Gyeonggi-do, Republic of Korea, 2Amorepacific (Shanghai) R&D Center, Shanghai, China

502 Time trends of contact allergy to the European baseline series in Lithuania
Linauskienė K.1, Malinauskienė L.1, Chomiciene A.1, Biazienė A.1
1Vilnius University Faculty of Medicine, Center of Pulmonology and Allergology, Vilnius, Lithuania

502A Treatment management skills in pediatric atopic dermatitis
Fieten K.B.1,2,3, Bruins F.M.1, Zijlstra W.T.1, Figeel L.1, van Os-Medendorp H.1, de Bruijn M.4, Russel I.M.4, Pasmans S.G.1,5
1University Medical Center Utrecht, (Pediatric) Dermatology and Allergology, Utrecht, Netherlands, 2University of Zürich, Swiss Institute of Allergy and Asthma Research, Davos, Switzerland, 3Merem Dutch Astma Center Davos, High Altitude Clinic, Davos, Switzerland, 4University Medical Center Utrecht, Wilhelmina Children’s Hospital, General Pediatrics, Utrecht, Netherlands, 5Erasmus University Medical Center Rotterdam, Sophia Children’s Hospital, Pediatric Dermatology, Rotterdam, Netherlands

Late Breaking Poster Discussion (LB PDS 4)

10:30 – 12:00
1444 Promotion of a regulatory immune response induced by an allergen-fused dendritic cell-binding peptide in combination with MPLA
Ziegler A.1, Olzhausen J.2, Rhyner C.2, Marti E.1
1Department of Clinical Research and Veterinary Public Health, Bern, Switzerland, 2Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos, Davos, Switzerland

1445 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, Giurato G.1, Rinaldi A.1, Galdiero M.R.3, Weisz A.1, Vonakis B.2
1University of Salerno, Department of Medicine and Surgery, Baronissi, Italy, 2Johns Hopkins University School of Medicine, Division of Allergy and Clinical Immunology, Baltimore, United States, 3University of Naples ‘Federico II’, Department of Allergy and Clinical Immunology and Center for Basic and Clinical Immunology Research (CISI), Naples, Italy

1446 The immune response against the major grass pollen allergen Phl p 5 in non-allergic humans
Kurtaj A.1, Hillebrand C.1, Fichtinger G.1, Danzer M.2, Gabriel C.2, Weinberger J.2, Machado Y.1, Thalhammer T.1, Scheibhofer S.1, Thalhammer J.1, Weiss R.1
1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Red Cross Blood Transfusion Service, Linz, Austria

1447 NOD2 receptors as a possible target for the down-regulation of IgE synthesis in allergic inflammation
Khanferyan R.1, Andronova T.2
1Institute of Nutrition, Moscow, Russian Federation, 2G.S.C. ‘Peptek’, Moscow, Russian Federation

1448 The binding of IgE and IgE-Bet v 1 complexes to CD23 on B cells induce intracellular signalling through ERK pathway
Villazala S.1, Hofer G.2, Breiteneder H.3, Keller W.2, Valenta R.3, Eckl-Dorna J.1, Niederberger V.1
1Medical University of Vienna Department of Otorhinolaryngology, Vienna, Austria, 2Karl Franzens University of Graz Institute for Molecular Biosciences, Graz, Austria, 3Medical University of Vienna Department of Pathophysiology and Allergy Research, Vienna, Austria

1449 Enrichment of CCR10+ ILC2 cells in the blood of patients with severe asthma
Lombardi V.1, Beuraud C.1, Neukirch C.2, Moussu H.1, Horiot S.1, Luce S.1, Morizur L.1, Wambre E.2, Linsley P.3, Chollet-Martin S.4, Baron-Bodo V.1, Aubier M.2, Moingeon P.1
1Stallergenes Greer, Research Department, Antony, France, 2Hopital Bichat, Inserm U1152, Faculty of Medicine, Pneumology A Department, Paris, France, 3Benaroya Research Institute, Allergy / Clinical Immunology Program at Virginia Mason, Seattle, United States, 4Hopital Bichat, Inserm UMR 996, Paris Sud University and Faculty of Pharmacy, Immunology Department, Chatenay-Malabry, France

1450 Antiviral activity of released-active antibodies to interferon gamma, CD4 receptor and histamine against rotavirus infection in vitro
Emelyanova A.1, Shilovskiy I.2, Sundukova M.2, Gaisina A.2, Babakhin A.2, Petrova N.1, Kardash E.1, Don E.1, Khaitov M.2, Epstein O.1
1Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, 2National Research Center - Institute of Immunology, FMBA of Russia, Moscow, Russian Federation

1451 Sweet secrets of a therapeutic worm: Identification of potential immunomodulatory glycans in Trichuris suis
Wilson I.B.H.1, Paschinger K.1
1Universität für Bodenkultur, Department für Chemie, Wien, Austria

Pro & Con (P & C 5) 12:15 – 12:45

12:15 – 12:45

Filaggrin mutation determines choice of AD treatment

Chair: Carsten Flohr, United Kingdom

PRO
Stephan Weidinger, Germany

CON
Jacob Thyssen, Denmark
Pro & Con (P & C 6) 12:45 – 13:15

Asthma phenotyping is valuable in clinical decision-making

Chair: Ömer Kalayci, Turkey

PRO
Gert-Jan Braunstahl, The Netherlands

CON
Leif Bjermer, Sweden

Symposium (SYM 42) 13:30 – 15:00

What’s new in asthma genetics

Chairs: Maarten van den Berge, The Netherlands
        Alvaro Cruz, Brazil

Does genetics have anything to do with asthma exacerbations?
Adnan Custovic, United Kingdom

How have omic studies impacted asthma gene discovery?
Kelan Tantisira, United States

Is epigenetics the link between genes and the environment?
Michael Kabesch, Germany

Symposium (SYM 43) 13:30 – 15:00

Omics and systems medicine to individualise treatment and develop new medications for allergic patients

Chairs: Cornelis van Drunen, The Netherlands
        Lars K. Poulsen, Denmark

Systems medicine: A brief introduction for clinicians
Mikael Benson, Sweden

Systems medicine to individualise treatment for allergic patients
Kian Fan Chung, United Kingdom

Systems medicine to develop new drugs
Timothy Radstake, The Netherlands

Symposium (SYM 44) 13:30 – 15:00

Different facets of cow’s milk hypersensitivity

Chairs: Anthony Dubois, The Netherlands
        Adam Fox, United Kingdom

IgE mediated
Arne Høst, Denmark

Eosinophilic Esophagitis (EoE)
Alfredo Lucendo, Spain

Food protein-induced enterocolitis (FPIES)
Philippe Eigenmann, Switzerland
Symposium (SYM 45) 13:30 – 15:00
National Allergy Societies Forum
Chairs: Thomas Werfel, Germany
       Nanna Fyhrquist, Finland
       Allergy care in Austria: Merging clinics and science
       Zsolt Szépfalusi, Austria
       The National audit system of the Netherlands for quality
       control of individual allergology practices
       Chris Nieuwhof, The Netherlands
       Anaphylaxis and allergen specific immunotherapy guidelines in
       Sweden
       Åke Davidsson, Sweden

Symposium (SYM 46) 13:30 – 15:00
B cells: More than antibody producers?
Chairs: Rob Aalberse, The Netherlands
       Carsten Schmidt-Weber, Germany
       IgE – producing B cells – something really special
       Michael Zemlin, Germany
       Allergen specific IgE and IgG4 repertoires
       Mats Ohlin, Sweden
       The role of regulatory B cells in human diseases
       Hermelijn Smits, The Netherlands

Workshop (WS 8) 13:30 – 15:00
EAACI Journals Forum
Chairs: Thomas Bieber, Germany
       Paolo Matricardi, Germany
       Understanding the process of publishing
       Hans-Uwe Simon, Switzerland
       Why does the world need a pediatric allergy journal?
       Ulrich Wahn, Germany
       How to communicate research from bench to bedside
       Clive Grattan, United Kingdom
       Jean Bousquet, France
       Group discussion

Workshop (WS 9) 13:30 – 15:00
Which diseases can be treated with immunoglobulins?
Chairs: Taco Kuipers, The Netherlands
       Carlo Agostini, Italy
       Treating patients with immunoglobulins beyond
       hypogammaglobulinemia
       Isabella Quinti, Italy
       Immuno-mediated inflammatory diseases: A new
       multidisciplinary concept
       Martin van Hagen, The Netherlands
       Why secondary antibody defects need to be treated with
       replacement immunoglobulin therapy
       Hans Hartmut Peter, Germany
Hot Topic (HT 4) 13:30 – 15:00

Innate immunity controlling allergic diseases  

Chairs:  
Marco Cassatella, Italy  
Edward Knol, The Netherlands

Does ubiquitination explain the protection against allergy in the hygiene hypothesis?  
Martijn Schuijs, Belgium

Maintenance of innate lymphoid cells in airway tissue in human  
Hergen Spits, The Netherlands

Alveolar macrophages in RSV infection  
Cecilia Johansson, United Kingdom

Oral Abstract Session (OAS 21) 13:30 – 15:00

Risk factors for allergic diseases  

Chairs:  
Celia Antunes, Portugal  
Jon Genuneit, Germany

Session roadmap

Jon Genuneit, Germany

121 Understanding the feasibility and implications of implementing early peanut introduction for prevention of peanut allergy  
Koplin J.1, Peters R.L.1, Dharmage S.C.2, Gurrin L.2, Tang M.L.1, Ponsonby A.-L.1, Matheson M.2, Togias A.3, Lack G.4, Allen K.J.1, the HealthNuts Study  
1Murdoch Childrens Research Institute, Parkville, Australia, 2University of Melbourne, School of Population and Global Health, Parkville, Australia, 3National Institute of Allergy and Infectious Diseases, Bethesda, United States, 4King's College London, London, United Kingdom

122 Increased weight might be associated with decreased level of allergic sensitization in a general population  
Mincheva R.1, Bossios A.1, Lotvall J.1, Lundbäck B.1, Ekerljung L.1  
1Krefting Research Centre, Gothenburg, Sweden

123 Neoformed compounds in infant formulas: a new risk factor for allergy?  
Joly Condette C.1, Anton P.M.1, Niquet-Léridon C.1, Chango A.1, Barbezier N.1, Gay-Quéhéillard J.2, Delaloye-Orthez C.1  
1Institut Polytechnique LaSalle Beauvais, Nutrition and Health Department, EGEAL Unit, Beauvais Cedex, France, 2Université de Picardie Jules Verne, PERITOX Unit, Amiens, France

124 Comparison of domestic mite antigen concentrations in day-care centres and homes  
Sander L.1, Lotz A.1, Neumann H.-D.2, Zahradnik E.1, Hoyden L.1, Czibor C.1, Flage A.1, Buxtrup M.2, Brüning T.1, Rauf M.1  
1Institute for Prevention and Occupational Medicine, German Social Accident Insurance, Ruhr University Bochum (IPA), Bochum, Germany, 2German Social Accident Insurance Institution for the Public Sector in North Rhine-Westphalia, Bochum, Germany

125 Effects of particulate matter on respiratory allergic diseases considering meteorological factors  
1Department of Internal Medicine, Pusan National University School of Medicine, Busan, Republic of Korea, 2Climate Research Department, APEC Climate Center, Busan, Republic of Korea, 3Department of Preventive Medicine, Pusan National University School of Medicine, Busan, Republic of Korea, 4Department of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, Republic of Korea

126 Climate change impact on pollen in the air: modelling study  
Sofiev M.1, European Aeroallergen Network Data Providers  
1Finnish Meteorological Institute, Helsinki, Finland
Oral Abstract Session (OAS 22) 13:30 – 15:00

Asthma heterogeneity and immunomodulator therapies

Lehar 4

Chairs: Angela Simpson, United Kingdom
Bryan L. Martin, United States

Session roadmap
Angela Simpson, United Kingdom

127 Functional variants of IL1RL1 associated with type 2-high and type 2-low asthma risk
Ramirez-Carrozzi V.1, Dressen A.2, Lupardus P.3, Yasan B.2, Pappu R.1
1Genentech, Immunology Discovery, South San Francisco, United States, 2Genentech, Human Genentics, South San Francisco, United States, 3Genentech, Structural Biology, South San Francisco, United States

128 A functional IFNL4-generating gene polymorphism is associated with atopy and asthma features in older asthmatics
Chinnaswamy S.1, Wardzynska A.2, Makowska J.S.2, Pawelczyk M.2, Kowalski M.L.3
1National Institute of Biomedical Genomics, Kalyani, India, 2Medical University of Lodz, Healthy Ageing Research Center, Lodz, Poland, 3Medical University of Lodz, Healthy Ageing Research Center, Immunology, Rheumatology & Allergy, Lodz, Poland

129 Beneficial effects of omalizumab in patients with severe non-atopic asthma
Vieira L.1, Oliveira M.J.2, Ferreira J.A.1, Rosmaninho I.1, Guilherme A.1, Malheiro D.1, Moreira da Silva J.1, Carvalho A.2, Lima R.2
1Centro Hospitalar Vila Nova de Gaia, Imunoallergology, Vila Nova de Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia, Pneumology, Vila Nova de Gaia, Portugal

130 Assessment of omalizumab clinical effectiveness in patients with comitant allergic asthma and nasal comorbidities using CARAT
Amaral L.1, Pereira A.M.2, Plácido J.L.1
1Serviço de Imunoalergologia, Centro Hospitalar São João, Porto, Portugal, 2Centro de Investigação em Tecnologias e Serviços de Saúde – CINTESIS, Faculdade de Medicina da Universidade do Porto, Porto, Portugal

131 Efficacy of mepolizumab in reducing exacerbations in patients with severe eosinophilic asthma who would be eligible for omalizumab treatment
Albers F.C.1, Price R.G.2, Yancey S.W.1, Bradford E.1
1GlaxoSmithKline, Research Triangle Park, NC, United States, 2GlaxoSmithKline, Stockley Park, Uxbridge, United Kingdom

132 Mediterranean compared with a fast food meal is associated with a blunted exercise induced immunodepression
Silva D.1,2, Moreira R.3, Montanha T.4, Sokhatska O.2, Beltrão M.2, Pinto M.2, Garcia-Larsen V.5, Delgado L.3,2, Moreira P.3, Carvalho J.4, Moreira A.1,2
1Centro Hospitalar de São João, Serviço de Imunoalergologia, Porto, Portugal, 2Faculty of Medicine, University of Porto, Laboratory of Basic & Clinical Immunology, Porto, Portugal, 3Faculty of Nutrition and Food Sciences of the University of Porto, Porto, Portugal, 4Research Centre in Physical Activity, Health and Leisure, Faculty of Sports, University of Porto, Porto, Portugal, 5Respiratory Epidemiology, Occupational Medicine, and Public Health Group, National Heart and Lung Institute, Imperial College of London, London, United Kingdom

Oral Abstract Session (OAS 23) 13:30 – 15:00

Pathomechanisms in atopic dermatitis

Stolz 2

Chairs: Karsten Weller, Germany

Session roadmap

133 Childhood atopic dermatitis – Brain-derived neurotrophic factor correlates with serum ECP, total IgE, pruritus and disease severity
Papakonstantinou E.1, Fölster-Holst R.2, Rüdrich U.3, Buchner M.2, Pite H.2, Gehring M.1, Kapp A.1, Weidinger S.2, Raap U.3
1Hannover Medical School, Dept. of Dermatology and Allergy, Hannover, Germany, 2University of Kiel, Dept.of Dermatology, Venereology and Allergy, Kiel, Germany, 3Hannover Medical School, Germany, Dept. of Dermatology and Allergy, Hannover, Germany, 4Infanto Santo Hospital, Dept. of Paediatrics, Lisboa, Portugal

134 Serum periostin levels and risk factors related to atopic dermatitis severity in children
Uysal P.1, Terlemez S.2, Avci S.3, Telli M.4, Bulut Y.2, Tokgöz Y.2, Yılmaz M.4
1Adnan Menderes University Faculty of Medicine, Aydin, Turkey, 2Adnan Menderes University Faculty of Medicine, Department of Pediatrics, Aydin, Turkey, 3Adnan Menderes University Faculty of Medicine, Department of Child and Adolescent Psychiatry, Aydin, Turkey, 4Adnan Menderes University Faculty of Medicine, Department of Microbiology, Aydin, Turkey
135 Characterization of IgE-mediated reactivity against Herpes Simplex Virus 1 (HSV-1) in patients with atopic dermatitis complicated by eczema herpeticum
Cabanillas B., 1, Brendes K., 1, Novak N. 1
1University of Bonn Medical Center, Department of Dermatology and Allergy, Bonn, Germany

136 Immunotherapy of canine atopic dermatitis with CpG oligodeoxynucleotides bound to gelatine nanoparticles
Wagner I., 1, Geh K., 2, Winter G., 2, Weber K. 1, Mueller R.S. 1
1LMU München, Centre for Clinical Veterinary Medicine, Munich, Germany, 2LMU München, Pharmazie, Munich, Germany

137 Changes in serum levels of allergen-specific IgE and IgG antibodies induced by repeated intramuscular injections of autologous IgG in patients with severe atopic dermatitis
Nahm D.-H. 1, Cho S.-M. 1, Kim M.-E. 1, Jeon S.-Y. 2
1Ajou University School of Medicine, Department of Allergy and Clinical Immunology, Suwon, Republic of Korea, 2Younsei-Ajou Pediatric Clinic, Gwang-Ju, Republic of Korea

138 Patient education in adults with atopic dermatitis – results from a German randomized, controlled multicenter study
Heratizadeh A. 1, Werfel T. 1, Gieler U. 2, Kupfer J. 3, ARNE Study Group
1Hannover Medical School, Division of Immunodermatology and Allergy Research, Department of Dermatology and Allergy, Hannover, Germany, 2Justus-Liebig-University Giessen, Department of Dermatology and Allergology, Giessen, Germany, 3Justus-Liebig-University Giessen, Institute of Medical Psychology, Giessen, Germany

Oral Abstract Session (OAS 24) 13:30 – 15:00

New aspects in hymenoptera venom allergy and anaphylaxis
Schubert 1-3

Chairs: Betül Ayse Sin, Turkey
Wolfgang Hemmer, Austria

Session roadmap
Betül Ayse Sin, Turkey

139 Comparison of apis mellifera natural and commercial venoms by proteomic and electrophoretic approaches
Riccio A.M. 1, De Ferrari L. 1, Rossi R. 2, Mauri P. 2, Rogakou A. 1, Bonadonna P. 1, Vega A. 4, Castells M. 5, Bignardi D. 6, Lombardo C. 7, Galli L. 7, Benvenuti M. 7, Pravettoni V. 8
1Allergy and Respiratory Diseases, IRCCS San Martino-IST-University of Genoa, Genoa, Italy, 2Institute for Biomedical Technologies Segrate, Milan, Italy, 4Allergy Unit, University Hospital of Verona, Verona, Italy, 5Hospital de Guadalajara, Guadalajara, Spain, 6Brigham and Women’s Hospital, Boston, United States, 7Allergy Unit IRCCS San Martino-IST-University of Genoa, Genoa, Italy, 8Entomology DISTAV University of Genoa, Genoa, Italy, 9Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico Milan, Milan, Italy

140 Identification of allergens in honeybee venom and confirmation of Apim 10 in immunotherapy products as determined by LC-MS/MS
Christensen L.H. 1, Larsen J.N. 2, Monsalve R.I. 3
1ALK, Global Research, Hoersholm, Denmark, 2ALK, Global Medical Affairs, Hoersholm, Denmark, 3ALK-Abello, Global Research, Madrid, Spain

141 Evaluation of early effects of ultra-rush specific immune therapy on CD4+ T cell and monocyte subsets in wasp venom-allergic patients
Tomasiak-Lozowska M.M. 1, Moniuszko M. 2, Grubczak K. 2, Miklasz P. 2, Klimek M. 1, Oledzki B. 4, Grochowski E. 2, Jablonska P. 2, Groth D. 2, Bodzentia-Lukaszyk A. 3
1Medical University of Białystok, Department of Allergology and Internal Diseases, Białystok, Poland, 2Medical University of Białystok, Department of Regenerative Medicine and Immune Regulation, Białystok, Poland, 3Medical University of Białystok, Department of Allergology and Internal Medicine, Białystok, Poland, 4Medical University of Białystok, Department of Allergy and Clinical Immunology, Białystok, Poland

142 The role of TRAF4 and B3GAT1 gene expression in the food hypersensitivity and insect venom allergy in mastocytosis
Niedoszytko M. 1, Gorsa A. 2, Gruchala-Niedoszytko M. 2, Maciejewska A. 4, Chelminska M. 1, Lange M. 5, Pawlowski R. 4, Malgorzewicz S. 3, Jassem E. 1
1Medical University of Gdańsk, Allergology, Gdańsk, Poland, 2Medical University of Gdańsk, Pneumology, Gdańsk, Poland, 3Medical University of Gdańsk, Clinical Nutrition, Gdańsk, Poland, 4Medical University of Gdańsk, Forensic Medicine, Gdańsk, Poland, 5Medical University of Gdańsk, Dermatology, Gdańsk, Poland

143 Basophil chemotactic factors in anaphylaxis
Koren A. 1, Silar M. 1, Kopac P. 1, Rijavec M. 1, Kosnik M. 1, Korosec P. 1
1University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia

144 Transcription profiling during anaphylactic reaction reveals movement and interaction of distinct immune cells and complex signaling networks
Rijavec M. 1, Maver A. 2, Hočevar K. 2, Šilar M. 1, Košnik M. 1, Peterlin B. 2, Korosec P. 1
1University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia, 2Clinical Institute of Medical Genetics, Division of Obstetrics and Gynaecology, University Medical Centre, Ljubljana, Slovenia
Tuesday, 14 June 2016

**Oral Abstract Session (OAS 25)**

13:30 – 15:00

**Immunological aspects of food allergy**

**Chairs:** Karin Hoffmann-Sommergruber, Austria
Ronald van Ree, The Netherlands

**Session roadmap**
Karin Hoffmann-Sommergruber, Austria

145 **Immunological differences in oral mucosa and effector cell sensitivity in patients with different severity degree of profilin mediated food reactions**

Escribese M.M.¹, Rosace D.¹, Fernandez P.¹, Perez-Gordo M.¹, Domínguez M.C.², Vega A.², Belver M.T.², Ramos T.², Vega F.², Marco G.³, de Pedro M.³, Sanchez L.³, Arnas M.M.³, Santaolalla M.³, Fernandez-Rivas M.⁴, Blanco C.⁴, Alvarado M.I.⁴, Barber D.⁴

¹Universidad San Pablo CEU, Institute of Applied Molecular Medicine, Boadilla del Monte, Spain, ²Hospital Publico Virgen del Puerto, Plasencia, Spain, ³Hospital Universitario de la Princesa, Madrid, Spain, ⁴Hospital Clinico San Carlos, Madrid, Spain, ⁵Hospital Universitario Sanchinarro, Madrid, Spain

146 **Sin a 2 and Ara h 1, major food allergens from mustard and peanut belonging to the cupin superfamily, interact with lipids: allergenic implications**

Angelina A.¹, Sirvent S.¹, Palladino C.², Ciraqui C.², Benito C.², Breiteneder H.³, Palomares O.³

¹Department of Biochemistry and Molecular Biology, School of Chemistry, Complutense University of Madrid, Madrid, Spain, ²Department of Pathophysiology and Allergy Research, Medical University of Vienna, Vienna, Austria

147 **Immunosuppressive effects of recombiant Lactobacillus casei BL23 expressing IL-10 or TGF-β1 in a model of peanut allergy**

Cortes-Perez N.¹, Lozano-Ojalvo D.¹, Maiga A.M.¹, Adel-Patient K.¹, Hazebruck S.¹

¹UMR CEA-INRA Service de Pharmacologie et d’Immunoanalyse, Laboratoire d’Immuno-Allergie Alimentaire, Gif-sur-Yvette Cedex, France

150 **Prevention of cow’s milk protein allergy in vivo by early exposure to beta-lactoglobulin-derived peptides and symbiotics**

Kostadinova A.I.¹,², Van Esch B.C.¹,², Hofman G.A.¹, Garssen J.¹,², Willemsen L.E.M.¹, Knippels L.M.J.¹,²

¹Utrecht University, Pharmaceutical Sciences, Utrecht, The Netherlands, ²Nutricia Research, Immunology, Utrecht, The Netherlands

**Poster Discussion Session (PDS 25)**

13:30 – 15:00

**Inflammatory mechanisms in asthma**

**Poster Discussion Zone 1**

**503** Exosomes from eosinophils of asthmatic subjects acts as an autoregulatory unit with functional capacity in asthma disease

Cañas J.A.¹,², Sastre B.¹,², Guerra A.¹,², Barranco P.²,³, Quirce S.²,³, Izquierdo M.⁴, Sastre J.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), Madrid, Spain, ⁴IL-18-IBER-UCM, Madrid, Spain

504 Procatenol suppresses epithelial to mesenchimal transition of bronchial epithelial cells by eosiinophils

Kainuma K.¹, Hosoki K.², Nagao M.¹, Toda M.², Gabazza C.N.D.³, Gabazza E.C.⁴, Fujisawa T.⁴

¹Allergy Center and Department of Clinical Research, Mie National Hospital, Tsu-city, Japan, ²University of Texas Medical Branch, Galveston, United States, ³Department of Immunology, Mie University Graduate School of Medicine, Tsu, Japan

505 Involvement of STAT6, SOCS and methylation in CCL26 production by bronchial epithelial cells: importance in asthma and its severity

Larose M.C.¹, Archambault A.-S.¹, Provost V.¹, Jamila C.¹, Laviolette M.¹, Flamand N.¹

¹Centre de Recherche de l’Institut Universitaire de Cardiologie et de Pneumologie de Québec, Quebec, Canada

506 To study the role of T regulatory cells in developing asthma in a birth cohort of babies with family history of allergies

Agarwal A.¹, Singh M.¹, Soneja P.¹, Chauhan A.¹

¹Postgraduate Institute of Medical Education and Research, Pediatrics, Chandigarh, India
Angioedema

Poster Discussion Session (PDS 26)

13:30 – 15:00

Chair: Christine Bangert, Austria

507 Innate intranet communications in asthma: studies on dendritic cell interaction with airway epithelium

Stein K.1, Jenckel A.1, Jappe U.2, Heine H.1
1Research Center Borstel, Div. of Intracellular Immunity, Member of the Airway Research Center North (ARCN) of the German Center for Lung Research (DZL), Borstel, Germany, 2Research Center Borstel, Div. of Clinical and Molecular Allergology, Member of the Airway Research Center North (ARCN) of the German Center for Lung Research (DZL), Borstel, Germany

508 Gender-specific effect of overweight and obesity on total serum IgE in adults with allergic asthma

Imaoka M.1, Kishikawa R.1, Shimoda T.1, Iwanaga T.1
1National Hospital Organisation Fukuoka National Hospital, Department of Internal Medicine, Fukuoka, Japan

509 A metabolite of prostaglandin D2, 11β-prostaglandin F2α (11β-PGF2α), in exhaled breath condensate and serum of asthmatics with airway hyperresponsiveness to distilled water

Perelman J.M.1, Nekrasov E.V.1, Naumov D.E.1, Prikhodko A.G.1, Kolosov V.P.1, Ushakov E.V.1, Makarova G.A.1
1Far Eastern Scientific Center of Physiology and Pathology of Respiration, Blagoveshchensk, Russian Federation, 2University of Virginia, Charlottesville, United States

510 T cell-induced bronchoconstriction in the mice – a model for late asthmatic response

Mori A.1, Koyama S.1, Yamaguchi M.1, Ohtomo-Abe A.1, Kamide Y.1, Hayashi H.1, Watai K.1, Mitsuji C.1, Sekiya K.1, Tsunobu T.1, Fukumori Y.1, Taniguchi M.1, Ohtomo T.1, Kaminuma O.1
1National Hospital Organization, Sagamihara National Hospital, Clinical Research Center, Sagamihara, Japan, 2Tokyo University of Pharmacy and Life Science, Tokyo, Japan, 3Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

511 Concentrations of eosinophil mediators in nasal washes during experimental infections with rhinovirus in subjects with and without asthma

Heymann P.W.1, Rajadhyaksha E.R.1, Jorge P.2, Platts-Mills T.A.1, Carper H.1, Murphy D.D.1, Workman L.J.1
1University of Virginia, Charlottesville, United States, 2Federal University of Sao Carlos, Sao Carlos, Brazil

512 In vitro secretion of immunoregulatory cytokines by dendritic cells from elite athletes participating in endurance training

Khanferyan R.1, Evstratova V.1, Riger N.1, Nikitjuk D.1, Fedyanina N.1, Dubuske L.M.2,3
1Scientific-Research Institute of Nutrition, Moscow, Russian Federation, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

513 The icatibant-treated attacks in patients with type I or II hereditary angioedema

Maurer M.1, Caballero T.2, Aberer W.3, Zanichelli A.4, Bouillet L.5, Fabien V.6, Andresen I.7, Longhurst H.J.7, IOS Investigators
1Allergie-Centrum-Charité, Charité - Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany, 2Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 3Medical University of Graz, Department of Dermatology and Venereology, Graz, Austria, 4Università degli Studi di Milano-Ospedale Luigi Sacco, Dipartimento di Scienze Biomediche e Cliniche Luigi Sacco, Milano, Italy, 5Grenoble University Hospital, National Reference Centre for Angioedema, Internal Medicine Department, Grenoble, France, 6Barts Health NHS Trust, Department of Immunology, London, United Kingdom

514 Improvement in hereditary angioedema diagnosis: findings from the Icatibant Outcome Survey

Zanichelli A.1, Magerl M.2, Longhurst H.J.3, Aberer W.4, Caballero T.5, Bouillet L.6, Bygum A.7, Grumach A.S.8, Fabien V.9, Andresen I.5, Maurer M.2, IOS Investigators
1Università degli Studi di Milano-Ospedale Luigi Sacco, Dipartimento di Scienze Biomediche e Cliniche Luigi Sacco, Milano, Italy, 2Allergie-Centrum-Charité, Charité - Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany, 3Barts Health NHS Trust, Department of Immunology, London, United Kingdom, 4Medical University of Graz, Department of Dermatology and Venereology, Graz, Austria, 5Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 6Grenoble University Hospital, National Reference Centre for Angioedema, Internal Medicine Department, Grenoble, France, 7Odense University Hospital, Department of Dermatology and Allergy Centre, Odense, Denmark, 8University of Sao Carlos, Sao Paulo, Brazil, 9Shire, Zug, Switzerland

515 Hereditary angioedema presents in childhood but is diagnosed in adulthood – findings from the Icatibant outcome survey

Longhurst H.1, Aberer W.2, Bouillet L.3, Caballero T.4, Bygum A.5, Grumach A.S.6, Fabien V.7, Andresen I.8, Zanichelli A.9, Maurer M.10, for the IOS Investigators
1Barts Health NHS Trust, Department of Immunology, London, United Kingdom, 2Medical University of Graz, Department of Dermatology and Venereology, Graz, Austria, 3Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 4Grenoble University Hospital, National Reference Centre for Angioedema, Internal Medicine Department, Grenoble, France, 5Odense University Hospital, Department of Dermatology and Allergy Centre, Odense, Denmark, 6Faculty of Medicine ABC, Sao Paulo, Brazil, 7Shire, Zug, Switzerland, 8University of Milan, Luigi Sacco Hospital, Department of Biomedical and
Clinical Sciences Luigi Sacco, Milan, Italy, 3Allergie-Centrum-Charité, Charité -Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany

516 Compound mutations in C1-INH gene aggravate its functional deficiency
Xu Y.-Y. 1, Zhi Y.-X. 1
1Peking Union Medical College Hospital, Department of Allergy, Beijing, China

517 Concomitant diseases and their influence on the clinical course of hereditary angioedema due to C1-inhibitor deficiency (HAE-C1-INH) – A retrospective study in 152 adult patients
Martinez-Saguer L. 1, Gutowski Z. 1, Linde R. 1, Andritschke K. 1, Escuriola-Ettingshausen C. 1
1Haemophilia Centre Rhine Main, Pediatrics, Moerfelden-Walldorf, Germany

518 Elevated plasma levels of vascular permeability factors in C1 inhibitor-deficient hereditary angioedema
Loffredo S. 1, Bova M. 1, Suffritti C. 2, Borriello F. 1, Zanichelli A. 2, Petraroli A. 1, Iannone R. 1, Varricchi G. 1, Ferrara A.L. 1, Triggiani M. 1, Cicardi M. 2, Marone G. 1
1University of Naples Federico II, Department of Translational Medical Sciences and Center for Basic and Clinical Immunology Research (CISI), Napoli, Italy, 2University of Milan, Department of Biomedical and Clinical Sciences L. Sacco, Milano, Italy, 3University of Naples, Department of Translational Medical Sciences and Center for Basic and Clinical Immunology Research (CISI), Napoli, Italy, 4University of Salerno, Division of Allergy and Clinical Immunology, Salerno, Italy

519 Distribution of bradykinin-mediated angio-oedema conditions in paediatric patients admitted to a reference centre
Sarre M.E. 1, Humeau H. 1, Troussier F. 1, Chapotte C. 1, Ponard D. 2, Drouet C. 2, Martin L. 1
1Angers University Hospital, Angers, France, 2Grenoble University Hospital, Grenoble, France

520 Less angioedema, more quality of life and lower signs of depression in CSU during omalizumab treatment
Staubach P. 1, Metz M. 2, Chapman-Rothe N. 3, Sieder C. 3, Braeutigam M. 3, Canvin J. 4, Maurer M. 2
1Johannes Gutenberg University, Mainz, Germany, 2Charite - Universitätsmedizin Berlin, Berlin, Germany, 3Novartis Pharma GmbH, Nürnberg, Germany, 4Novartis Pharma AG, Basel, Switzerland

521 Angioedema without urticaria
Rodríguez A. 1, Roa-Medallin D. 1, Sánchez M. 1, Caralli M.E. 1, Prieto A. 1, Baeza M.L. 1
1Hospital General Universitario Gregorio Marañón, Allergy, Madrid, Spain

Poster Discussion Session (PDS 27)

Sublingual immunotherapy

522 The SQ house dust mite (HDM) SLIT-tablet in respiratory allergic disease (RAD) – target patient profile
Demoly P. 1, Hernandez D. 2, Stage B.S. 3, Dahlgren S. 3, Kleine-Tebbe J. 4
1Department of Pulmonology - Division of Allergy, Hôpital Arnaud de Villeneuve, University Hospital of Montpellier, and Sorbonne Universités, Montpellier, France, 2IIS Hospital La Fe, Valencia, Spain, 3ALK, Hoersholm, Denmark, 4Allergy & Asthma Center Westend, Outpatient Clinic & Research Center, Berlin, Germany

523 Quantitative benefit and risk assessment of SQ house dust mite (HDM) SLIT-tablet in allergic rhinitis; results from a randomised DBPC phase III trial
Emminger W. 1, Rehm D. 2, Stage B.S. 3, Fogh B.S. 2, Demoly P. 2
1Allergy Outpatient Clinic, Rennweg, Vienna, Austria, 2ALK, Global Clinical Development, Hoersholm, Denmark, 3Department of Pulmonology - Division of Allergy, Hôpital Arnaud de Villeneuve, University Hospital of Montpellier, and Sorbonne Universités, Montpellier, France

524 Results from a double-blind, randomised, placebo-controlled, dose-response evaluation of SQ tree sublingual allergy immunotherapy (SLIT)-tablet
Mäkelä M. 1, 2, Savolainen J. 2, Laursen M.K. 3, Andersen J.S. 4, Riis B. 4, Valovirta E. 3, 5
1Helsinki University Hospital, Skin and Allergy Hospital, Helsinki, Finland, 2University of Helsinki, Helsinki, Finland, 3Turku University Hospital, Turku, Finland, 4ALK, Global Clinical Development, Hørsholm, Denmark, 5University of Turku, Department of Pulmonary Diseases and Clinical Allergology, Turku, Finland, 6Terveystalo Allergy Clinic, Turku, Finland

525 Patient-relevant benefit of sublingual immunotherapy (SLIT) with a 300 IR birch pollen extract in patients with allergic rhinoconjunctivitis
Hadler M. 1, Karagiannis E. 1, Feuerhahn J. 2, Blome C. 2, Augustin M. 2
1Stallergenes GmbH, Kamp-Lintfort, Germany, 2CVderm, University Medical Center Hamburg-Eppendorf, Hamburg, Germany
526 Efficacy of sublingual immunotherapy with house dust mites in elderly rhinitis patients: a multicenter trial for 6 months


1Ajou University Hospital, Department of Allergy & Clinical Immunology, Suwon, Republic of Korea, 2Yonsei University College of Medicine, Division of Allergy & Immunology, Seoul, Republic of Korea, 3Korea University College of Medicine, Division of Respiratory and Critical Care Medicine, Seoul, Republic of Korea, 4Hallym University Sacred Hospital, Division of Pulmonary, Allergy, and Critical Care Medicine, Anyangsi, Republic of Korea, 5Choongmoo Hospital, Division of Allergy, Cheonan, Republic of Korea

527 House dust mite tablet (S-524101/STG320) at 300 IR is effective in both mono and poly-sensitized patients with allergic rhinitis in a phase 2/3 study conducted in Japan

Okamoto Y.1, Masuyama K.2, Fujieda S.3, Okano M.4, Yonekura S.1, Yoshida Y.2, Kakudo S.5

1Chiba University, Otorhinolaryngology, Chiba, Japan, 2Yamanashi University, Otorhinolaryngology, Kofu, Japan, 3Fukui University, Otorhinolaryngology, Fukui, Japan, 4Okayama University, Otorhinolaryngology, Okayama, Japan, 5Shionogi & Co., Ltd., Biostatistics Department, Osaka, Japan

528 Sublingual allergen immunotherapy patterns of use in RAS 3D study

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neuromología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Greer, Barcelona, Spain

529 Sublingual treatment with a mites mixture is safe and well tolerated in patients with mite induced allergic rhinitis/rhinoconjunctivitis

Worm M.1, Neil M.2, Yu D.2, de Kam P.-J.2

1Allergie-Centrum-Charité Klinik für Dermatologie, Venerologie und Allergologie, Campus Charité Mitte, Universitätssmedizin Berlin, Berlin, Germany, 2HAL Allergy BV, Medical, Leiden, The Netherlands

530 Efficacy and safety of sublingual immunotherapy tablet in patients with Japanese cedar pollinosis. A double-blind, randomised, placebo-controlled study

Okubo K.1, Okamoto Y.2, Yonekura S.2, Gotoh M.1, Kaneko S.3, Imai T.1

1Nippon Medical School, Otolaryngology, Tokyo, Japan, 2Chiba University, Otolaryngology, Chiba, Japan, 3Torii Pharmaceutical Company, Clinical Development, Tokyo, Japan, 4Heiwadai Hospital, Otolaryngology, Chiba, Japan

531 Group 5 allergen composition and protein composition of 9 sublingual immunotherapy therapies against grass pollen allergies

Musselmann K.1, Shakir R.1, Franso C.1, Segaa A.2, Meijlis J.1, van den Hout R.1, Cruz M.J.3

1HAL Allergy BV, Analytical Development, Leiden, The Netherlands, 2HAL Allergy BV, Leiden, The Netherlands, 3Fundació Institut de Recerca Hospital Universitari Vall d’Hebron, Spain, Barcelona, Spain

532 Comparison of efficacy of sublingual and subcutaneous immunotherapy for allergic rhinoconjunctivitis in children

Liuw F.1, Brathwaite N.2, Leech S.2

1EAACI Clinical Fellowship 2015, King’s College Hospital, Child Health, London, United Kingdom, 2King’s College Hospital, Child Health, London, United Kingdom

533 Allergy immunotherapy medication persistence and adherence with a SLIT-tablet and SCIT preparation in Germany


1University of Bonn, Bonn, Germany, 2IMS Health®, London, United Kingdom, 3ALK, Hamburg, Germany, 4ALK A/S, Hershholm, Denmark, 5ALK, Hershholm, Denmark

534 Analysis of gene expression changes in patients allergic to grass pollen treated with immunotherapy – preliminary results

Romantowski J.1, Maciejewaska A.2, Kempinski K.1, Jassem E.1, Niedoszytko M.1

1Medical University of Gdansk, Department of Allergology, Gdansk, Poland, 2Medical University of Gdansk, Department of Forensic Medicine, Gdansk, Poland

535 Sublingual allergen immunotherapy patterns of use in RAS 3D study pediatric population

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neuromología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Greer, Barcelona, Spain

536 The combination of oral immunotherapy and a non-digestible oligosaccharide supplemented diet reduced allergic symptoms in a murine cow’s milk allergy model

Vonk M.1,2, Wagenaar L.3, Smit J.J.2, Pieters R.H.H.3, Willemsen L.E.M.1, Garssen J.1,2, van Esch B.C.A.M.1,2, Knippels L.M.J.1,2

1University of Bonn, Bonn, Germany, 2Nutricia Research, Immunology, Utrecht, The Netherlands, 3Utrecht University, Utrecht Institute for Pharmaceutical Immunotoxicology, Utrecht, The Netherlands, 4Nutricia Research, Immunology, Utrecht, The Netherlands, 5Utrecht University, Institute for Risk Assessment Sciences, Immunotoxicology, Utrecht, The Netherlands
Pediatric asthma: Risk factors and management

**Poster Discussion Session (PDS 28)**

**Poster Discussion Zone 4**

**Risk factors of asthma**

Demir E.1, Uluusoy E.1, Bal C.M.1, Tanac R.1, Gulen F.1

1Ege University Faculty of Medicine, Ankara, Turkey

**Early life risk factors for asthma in school age children with grass pollen induced allergic rhinitis**

Yavuz S.T.1,2, Bagci S.3, Arslan M.4, Akin O.5, Aşut E.6, Gulec M.7, Civelek E.7

1GATA School of Medicine, Ankara, Turkey
2Ankara Children's Hematology Oncology Training and Research Hospital, Ankara, Turkey
3GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey
4Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric, Ankara, Turkey
5Guven Hospital, Department of Pediatric Allergy, Ankara, Turkey
6GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey
7Guven Hospital, Department of Pediatric Allergy, Ankara, Turkey

**Longitudinal trajectory of multiplexed immunoglobulin E sensitization from prenatal stage to the first year of life**


1National Health Research Institutes, Miaoli, Taiwan
2National Cheng Kung University, Tainan, Taiwan

**IL-13 gene polymorphisms and their association with asthma in Iranian children patients**

Akbari M.1,2, Hoshamd M.1, Soleimani M.1, Moin M.3

1Asthma & Allergy Research Institute, Tehran, Iran
2Islamic Azad University of Mugla, Mugla, Turkey
3Islamic Azad University of Mugla, Mugla, Turkey

**The relationship between secondhand smoke and wheezing in infants, children and adolescents in the city of Cordoba, Argentina, from an epidemiological perspective**

Teijeiro A.1,2, Cuello M.E.3, Raiden M.G.1, de Barayazarra S.2,3, Badellino H.A.2,4, Gomez R.M.5,6

1Pediatric Hospital of Cordoba, Respiratory Center, Cordoba, Argentina
2CIMER, Catholic University of Cordoba, Cordoba, Argentina
3San Roque Hospital, Allergy and Immunology Department, Cordoba, Argentina
4Universidad UCES, Cátedra Biología y Neurofisiología del Comportamiento, San Francisco, Argentina
5Alias Institute, Allergy and Immunology Department, Salta, Argentina

**Association between sensitization to mold and impaired pulmonary function in children with asthma**

Yoo Y.1,2, Kim E.1, Ri S.1, Amarsalkhan O.1, Song D.J.1, Choung J.T.1

1Korea University Anam Hospital, Department of Pediatrics, Seoul, Republic of Korea
2Allergy & Immunology Center, Korea University, Seoul, Republic of Korea

**Does asthma influence school performance among adolescents in a Swedish population based birth cohort?**

Nilsson S.1,2, Bergström A.1, Andersson N.1, Kull I.1,3

1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden
2Centre of Occupational and Environmental Medicine, Stockholm County Council, Stockholm, Sweden
3Söderjukhuset, Sachs' Children's Hospital, Stockholm, Sweden

**Identifying relationship between the presence of sleep-related breathing disorders and disease control in asthma patients under 5 years old**

Capanoglu M.1,2, Oliano V.J.2, Mallol J.3, Solé D.4

1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey
2Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey
3GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey
4GATA School of Medicine, Department of Pediatric Allergy and Immunology, Ankara, Turkey

**Disease specific tools are more effective in determining the relationship between asthma control and quality of life in children with asthma**

Yavuz S.T.1,2, Sari O.3, Aydogan U.3, Gulec M.4, Gok F.5

1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey
2Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey
3Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric, Ankara, Turkey
4Guven Hospital, Department of Pediatric Allergy, Ankara, Turkey
5Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric, Ankara, Turkey

**Smoking among adolescents from a countryside city of Brazil and the future impact in respiratory diseases**

Urrutia-Pereira M.1, Oliano V.J.2, Mallol J.3, Solé D.4

1Pediatric Program of Asthma Prevention, Pediatrics, Uruguayan, Brazil
2University of Campanha Region (URCAMP), Physical Education, Uruguayan, Brazil
3University of Santiago de Chile (USACH), Department of Pediatric Respiratory Medicine, Santiago de Chile, Chile
4Universidade Federal de São Paulo, Pediatrics, Division of Allergy and Clinical Immunology, São Paulo, Brazil
547 The reality of asthma control in Japanese children
Yoshida K.1, Sasaki M.1, Adachi Y.2, Kawaguchi E.2, Odajima H.4, Saito H.5, Akasawa A.1
1Tokyo Metropolitan Children’s Medical Center, Division of Allergy, Tokyo, Japan,
2University of Toyama, Department of Pediatrics, Toyama, Japan,
3Tokyo Metropolitan Children’s Medical Center, Clinical Research Support Center, Tokyo, Japan,
4Fukuoka National Hospital, Department of Pediatrics, Fukuoka, Japan,
5National Research Institute for Child Health and Development, Department of Allergy and Immunology, Tokyo, Japan

548 Childhood asthma prevalence and therapy in Chorzow (Poland) – an epidemiological study
Brozek G.M.1, Zejda J.E.1, Lawson J.2, Kamil B.1
1Medical University of Silesia, Department of Epidemiology, Katowice, Poland,
2Centre for Health and Safety in Agriculture (CCHSA), University of Saskatchewan, Saskatoon, Canada

549 Wider neck circumference is associated with asthma in obese children
Yavuz S.T.1,2, Akin O.3, Sari E.3, Arslan M.4, Hacihamdiloğlu B.3, Yesilkaya E.3
1GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey,
2GATA School of Medicine, Department of Pediatric Allergy, Ankara, Turkey,
3GATA School of Medicine, Department of Pediatric Endocrinology, Ankara, Turkey,
4GATA School of Medicine, Department of Pediatrics, Ankara, Turkey

550 Is neck circumference associated with asthma severity in children?
Zaia P.J.1, Rodriguez C.B.M.1, Ramos C.Z.N.1, Lorençini G.1, Amaral T.A.1, Machado M.M.1, Grassi M.A.4, Rodrigues C.P.1, Lee P.K.N.1, Godoy L.M.1, Ciaccia M.C.C.1, Cominato L.1, Pastorino A.C.2, Cardoso M.R.2, Rullo V.E.V.5
1Fundação Lusiada, Santos, Brazil,
2Universidade de São Paulo, São Paulo, Brazil,
3Fundação Lusiada, Pediatric, Santos, Brazil

Symposium (SYM 47) 15:30 – 17:00
Bronchiolitis as the first episode of asthma: Aetiology, treatment and prevention
Hall A1

Chairs: John DeVincenzo, United States
Musa Khaitov, Russian Federation

Viral causes; Similarities and differences in immunity and disease pathogenesis
Nikos Papadopoulos, Greece

RSV infection: Therapeutic options for short- and long-term outcomes
Louis Bont, The Netherlands

From rhinovirus-induced bronchiolitis to asthma development: Is prophylaxis possible?
James Gern, United States

Symposium (SYM 48) 15:30 – 17:00
The good, the bad and the ugly: Microbiome versus microbial infections and allergens
Hall A3

Chairs: Christian Scharf, Germany
Benjamin Marsland, Switzerland

Lessons from microbiome studies
Eugene Bleecker, United States

Identification of new microbial allergens
Barbara Bröker, Germany

Induction of airway hypersensitivity by staphylococcus aureus allergens
Olga Krysko, Belgium

Symposium (SYM 49) 15:30 – 17:00
Where human and veterinary allergology meet: Food allergy in humans and animals
Hall B1

Chairs: Ralf Müller, Germany
Jozef Janda, Czech Republic

The pathogenesis of food allergy in animals
Hilary Jackson, United Kingdom

Diagnosis of food allergy in animals
Claude Favrot, Switzerland

Animals and owners share food and allergies
Erika Jensen-Jarolim, Austria
Symposium (SYM 50) 15:30 – 17:00
Hypersensitivity to biologicals
Hall B2

Chairs: Onur Boyman, Switzerland
Kari Nadeau, United States

Mechanisms of hypersensitivity to biologicals
Andrea Matucci, Italy
Cetuximab: Opening Pandora's Box
Thomas Platts-Mills, United States
New biosimilars: Friend or foe?
François Spertini, Switzerland

Symposium (SYM 51) 15:30 – 17:00
Today’s perspective on allergen immunotherapy
Strauss 1+2

Chairs: Lars Jacobsen, Denmark
Adam Chaker, Germany

Head to head: SLIT versus SCIT
Moises Calderon, United Kingdom
Innovative routes for immunotherapy: What do we know?
Gabriela Senti, Switzerland
How can we increase the use of immunotherapy in Europe?
Roy Gerth van Wijk, The Netherlands

Workshop (WS 10) 15:30 – 17:00
Immunomodulation in ocular allergy
Stolz 1

Chairs: Andrea Leonardi, Italy
Virginia Calder, United Kingdom

Immune mechanisms in allergic eye diseases: What’s new?
Daniel Saban, United States
Immunotherapy for ocular allergy
Gian Enrico Senna, Italy
Topical calcineurine inhibitors
Serge Doan, France

Sister Society Symposium (SSS 10) 15:30 – 17:00
GARD: The global alliance against chronic respiratory diseases
Lehar 2

Chair: Jean Bousquet, France

GARD at the country level
Arzu Yorgancıoğlu, Turkey
GARD in developing countries
Alvaro Cruz, Brazil
The importance of GARD in allergic diseases
José Rosado Pinto, Portugal
From GARD to AIRWAYS ICPs
Boleslaw Samolinski, Poland

Year in Review (YIR 5) 15:30 – 17:00
Dermatology
Hall A2

Chair: Razvigor Darlenski, Bulgaria

Urticaria
Karsten Weller, Germany
Contact dermatitis

Atopic dermatitis
Tilo Biedermann, Germany
Oral Abstract Session (OAS 26)  15:30 – 17:00

Anaphylaxis

Lehar 1

Chairs: Robert Boyle, United Kingdom
Eva-Maria Varga, Austria

Session roadmap
Robert Boyle, United Kingdom

151  A data-driven comparison of six instruments for scoring anaphylaxis severity
Eller E.1,2, Dahl R.1,2, Muraro A.3, Bindslev-Jensen C.1,2
1Odense University Hospital, Dept. Dermatology and Allergy Center, Odense C, Denmark, 2Odense Research Center for Anaphylaxis, Odense C, Denmark, 3Padua General Hospital, Department of Pediatrics, Padua, Italy

152  A 17 year experience in perioperative anaphylaxis 1998-2015: strategies for optimal detection of mast cell mediator release
Egger W.1, Sarquet R.1, Green K.1, Shrimpton A.1
1Sheffield Teaching Hospitals NHS FT, Clinical Immunology and Allergy, Sheffield, United Kingdom

153  Nut allergy and multiple food allergies are risk factors for asthma in adolescents: a population based study
McWilliam VL.1,2,3, Koplin J.4, Tanq M.L.1,2,3, Sawyer S.2,3,4, Field M.3, Dharmage S.3, Allen K.1,2,3
1University of Melbourne, Department of Paediatrics, Melbourne, Australia, 2University of Melbourne, Department of Medicine, Melbourne, Australia, 3Murdock Childrens Research Institute, Melbourne, Australia, 4Royal Children’s Hospital, Centre for Adolescent Health, Melbourne, Australia

154  Risk factor analysis to predict anaphylactic reactions in patients with systemic mastocytosis – towards a predictive model
Ljung C.1,2, Nilsson G.2,3, Akin C.4, Gülten T.1,3
1Karolinska University Hospital Huddinge, Department of Respiratory Medicine and Allergy, Stockholm, Sweden, 2Karolinska Institutet, Department of Medicine Solna, Clinical Immunology and Allergy Unit, Stockholm, Sweden, 3Karolinska Institutet and Karolinska University Hospital, Maccotaxis Center Karolinska, Stockholm, Sweden, 4Harvard Medical School, Mastocytosis Centre at Brigham and Women’s Hospital, Boston, United States

Oral Abstract Session (OAS 27)  15:30 – 17:00

Prediction and prevention of childhood atopic disease

Lehar 3

Chairs: Arne Høst, Denmark
Michael Perkin, United Kingdom

Session roadmap
Arne Høst, Denmark

157  Filaggrin mutations on the mother increase risk of atopic dermatitis in children independently of mutation inheritance
1Max-Delbrück-Centrum, Berlin, Germany, 2Klinik für Kinder- und Jugendmedizin, Technical University Dresden, Dresden, Germany, 3Karolinska Institutet, Department of Molecular Medicine and Surgery, Stockholm, Sweden, 4Institute for Social Medicine, Epidemiology and Health Economics, Charité Universitätsmedizin Berlin, Berlin, Germany, 5Pediatric Pneumology and Immunology, Charité Universitätsmedizin Berlin, Berlin, Germany, 6Institute of Genetic Medicine, Newcastle University, Newcastle upon Tyne, United Kingdom, 7Dermatology Unit, Department of Medicine, Solna Karolinska University Hospital, Stockholm, Solna, Sweden

158  Serum thymus and activation regulated chemokines levels in infants with or without atopic dermatitis: Chiba high risk birth cohort for allergy study (CHIBA study)
Yamaide F.1,2,3, Kojima H.2,4, Inoue Y.2, Hata A.3, Suzuki Y.4, Shimojo N.1
1Graduate School of Medicine, Chiba University, Department of Pediatrics, Chiba, Japan, 2Higashikawa Wanpaku Clinic, Tokyo, Japan, 3Graduate School of Medicine, Chiba University, Department of Public Health, Chiba, Japan, 4Tohoku Medical Megabank Organization, Tohoku University, Department of Education and Training, Sendai, Japan
Early oral exposure to house dust mite allergen through breast milk: a potential risk factor for allergic sensitization and respiratory allergies in children
Baiz N.1, Macchiaverni P.2, Tulic M.K.3, Rekima A.1, Annesi-Maesano I.1, Verhasselt V.2, EDEN Mother-Child Cohort Study Group
1Sorbonne Universités, UPMC Univ Paris 06, Paris, France, 2University of Sao Paulo, Institute of Biomedical Sciences, Sao Paulo, Brazil, 3Université de Nice Sophia Antipolis, Nice, France

Who has benefit after probiotics supplement in children with atopic disorders?
Wang I.-J.1,2,3, Hsu J.-C.4
1Taipei Hospital Ministry of Health and Welfare, Department of Pediatrics, Taipei, Taiwan, 2National Yang-Ming University, Taipei, Taiwan, 3China Medical University, Taichung, Taiwan, 4Taipei Hospital, Ministry of Health and Welfare, Taipei, Taiwan

Probiotic microorganism lactobacillus reuteri impact on the prevalence of allergic asthma and atopic dermatitis in passive smoking exposed Slovenian children
Besednjak-Kocijancic L.1
1Zdravstveni dom Nova Gorica, Primary Pediatric Health Centre, Nova Gorica, Slovenia

Neonatal BCG-vaccination does not decrease the rate of asthmatic bronchitis in the first year of life. A randomised clinical trial from a high-income country
Thøstesen L.M.1, Olesen A.W.2, Benz C.S.3,4, Stensballe L.G.5, Kofod P.-E.6, The Danish Calmette Study Group
1Kolding Hospital, Department of Paediatrics, Kolding, Denmark, 2Odense University Hospital, Department of Obstetrics and Gynecology, Odense, Denmark, 3Statens Seruminstitut, Research Center for Vitamins and Vaccines (CVIVA), Copenhagen, Denmark, 4University of Southern Denmark/Odense University Hospital, OPEN, Institute of Clinical Research, Odense, Denmark, 5Rigshospitalet, Copenhagen University Hospital, The Child and Adolescent Clinic 4072, Juliane Marie Centret, Copenhagen, Denmark, 6University of Southern Denmark, Institute of Regional Health Research, Odense, Denmark

Oral Abstract Session (OAS 28) 15:30 – 17:00

T cell function in tissues and allergic diseases

Lehar 4

Chairs: Carsten Schmidt-Weber, Germany
Mark Larché, Canada

Session roadmap
Carsten Schmidt-Weber, Germany

IL-9 producing T cells from healthy human skin explant cultures: impact on keratinocyte differentiation
Kienzl P.1, Polacek R.1, Gassner T.1, Haugenbach P.1, Tajpara P.1, Gschwandtner M.1, Mildner M.1, Elbe-Bürger A.1
1Medical University of Vienna, Laboratory of Cellular and Molecular Immunobiology of the Skin, Division of Immunology, Allergy and Infectious Diseases Department of Dermatology, Vienna, Austria, 2Medical University of Vienna, Research Division of Biology and Pathobiology of the Skin, Department of Dermatology, Vienna, Austria

The MicroRNA miR-17 modulates regulatory T cell activity by targeting Foxp3 Co-regulators
Wu C.-Y.1, Wu R.-C.2, Yeh K.-W.1, Huang J.-L.1, Yang H.-Y.3
1Chang Gung Memorial Hospital, Paediatrics, Guishan Shiang, Taiwan, 2Chang Gung Memorial Hospital, Pathology, Guishan Shiang, Taiwan, 3Chang Gung Memorial Hospital, Nephrology, Gueishan Township, Taiwan

Adiponectin receptor 1 expression on adipose tissue Foxp3+ Helios+ regulatory T cells is reduced upon weight gain
Ramos-Ramírez P.1, Malmhäll C.1, Johansson K.1, Lötvall J.1, Bossios A.1
1University of Gothenburg, Krefting Research Centre, Institute of Medicine, Sahlgrenska Academy, Gothenburg, Sweden

Phenotyping of allergen-reactive CD8+ T cells in peanut allergic individuals
Blom L.H.1, Larsen L.F.1, Juel-Berg N.1, Poulsen L.K.1
1Copenhagen University Hospital Gentofte, Allergy Clinic, Laboratory of Medical Allergology, Hellerup, Denmark

Phenotyping of allergen-reactive CD8+ T cells in type I allergy
Samadi N.1, Kitzmueller C.1, Geyereger R.2, Bohle B.1, Jahn-Schmid B.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Vienna, Austria, 2CCRI, Department of Clinical Cell Biology and FACS Core Unit, Vienna, Austria

The relationship between regulatory B cells and regulatory T cells in the blood and airways of mild allergic asthmatics
Oliveria J.P.1, Salter B.M.1, Phan S.1, Tenn M.W.1, Smith S.G.1, Olbominski C.D.1, Scime T.X.1, Sehni R.1, Gauvreau G.M.1, McMaster Cardio-Respiratory Lab
1McMaster University, Medicine, Hamilton, Canada
Oral Abstract Session (OAS 29)  

Mechanisms and treatment of angioedema

Chairs: Marcus Maurer, Germany  
Marco Cicardi, Italy

Session roadmap  
Marcus Maurer, Germany

169 Endocan: a novel inflammatory marker for hereditary angioedema  
Demirturk M.1, Akpinar T.S.2, Kose M.3, Gelinck A.4, Colakoglu B.4, Buyukozturk S.4  
1Yedikule Training and Research Hospital, Istanbul, Turkey,  
2Istanbul University Istanbul Faculty of Medicine, Istanbul, Turkey,  
3Istanbul University Istanbul Faculty of Medicine, Department of Internal Medicine, Istanbul, Turkey,  
4Istanbul University Istanbul Faculty of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Istanbul, Turkey

170 Acquired angioedema due to C1-INH deficiency: a report of 24 patients  
Baeza M.L.1, Caballero T.1, Cabañas R.2, Castro M.2, Escudero E.3, González-Quevedo T.3, Guiart M.4, Lieonart R.2, Marcos C.5, Nuñez R.5, Prior N.6, Rivero D.2, Saenz de San Pedro B.7, Sala-Cunill A.6, Varela S.7, Prieto A.1  
1Hospital General Universitario Gregorio Marañón, Allergy, Madrid, Spain,  
2Hospital Universitario La Paz, Allergy, Madrid, Spain,  
3Complexo Hospitalario Universitario de Ferrol, Allergy, Ferrol, Spain,  
4Complexo Hospitalario Universitario de Pontevedra, Allergy, Pontevedra, Spain,  
5Hospital Universitario Virgen del Rocío, Allergy, Sevilla, Spain,  
6Hospital Universitario Vall d’Hebron, Allergy, Barcelona, Spain,  
7Hospital Universitario Bellvitge, Allergy, L’Hospitalal de Llobregat, Spain,  
8Complexo Hospitalario Universitario de Vigo, Allergy, Vigo, Spain,  
9Hospital Universitario Lucus Augusti, Allergy, Lugo, Spain,  
10Hospital Universitario Severo Ochoa, Allergy, Leganes, Spain,  
11Complejo Hospitalario de Jaén, Allergy, Jaén, Spain,  
12Complexo Hospitalario Universitario de Ourense, Allergy, Ourense, Spain

171 Kininogen cleavage assay: diagnostic assistance for angioedema conditions  
Baroso R.1, Sellier P.2, Defendi F.3, Charignon D.2, Ghannam A.4, Habib M.5, Drouet C.1, Favier B.1  
1Université Grenoble Alpes, GREPI, Grenoble, France,  
2KininX, Grenoble, France,  
3National Reference Center for Angioedema, Grenoble, France,  
4Qalam-antibody, La Troche, France

172 Acquired angioedema: anti-C1 Inhibitor autoantibodies targets polysaccharide moiety without affecting C1Inh function  
Ghannam A.1, Sellier P.1, Fain O.2, Martin L.3, Ponard D.4, Drouet C.5  
1KininX, Grenoble, France,  
2Université Paris Descartes, Assistance Publique des Hôpitaux de Paris, Hôpital Saint Antoine, Internal Medicine Department, DHU i2B, Paris, France,  
3L’UNAM Université, Dermatology Department, University Hospital, Angers, France,  
4CHU Grenoble, Laboratoire d’Immunologie, Grenoble, France,  
5Université Grenoble Alpes, GREPI, Grenoble, France

173 Characterisation of hereditary angioedema attacks requiring reinjection of icatibant: findings from the icatibant outcome survey  
Aberer W.1, Longhurst H.2, Bouillet L.2, Caballero T.1, Fabien V.3, Zanichelli A.4, Maurer M.5, Andresen I.6, for the IOS Investigators  
1Medical University of Graz, Department of Dermatology and Venereology, Graz, Austria,  
2Barts Health NHS Trust, Department of Immunology, London, United Kingdom,  
3National Reference Centre for Angioedema, Internal Medicine Department, CHU Grenoble Alpes, Univ. Grenoble Alpes, Grenoble, France,  
4Hospital La Paz Institute for Health Research (IdiPaz), Biomedical Research Network on Rare Diseases (CIBERER, U 754), Allergy Department, Madrid, Spain,  
5Shire, Zug, Switzerland,  
6University of Milan, Luigi Sacco Hospital, Department of Biomedical and Clinical Sciences Luigi Sacco, Milan, Italy,  
7Allergie-Centrum-Charité, Charité -Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany

174 Treatment of patients with hereditary angioedema with normal C1 inhibitor and without F12 gene mutations (HAE-unknown)  
Bork K.1, Witzke G.1, Wulff K.5, Hardt J.3  
1University Medical Center, University Mainz, Dermatology, Mainz, Germany,  
2University Medicine Greifswald, Greifswald, Germany,  
3University Mainz, Department of Medical Psychology and Medical Sociology, Mainz, Germany
Oral Abstract Session (OAS 30) 15:30 – 17:00

Various inflammation mechanisms in asthma phenotypes

Schubert 1-3

Chairs: Ellen Tufvesson, Sweden
Anke-Hilse Maitland-van der Zee, The Netherlands

Session roadmap

Ellen Tufvesson, Sweden

175 Human mast cells support rhinovirus replication but are protected from infection by IFN-β

Akoto C.1, Davies D.E.1, Swindle E.J.1
1University of Southampton, Academic Unit of Clinical and Experimental Sciences, Southampton, United Kingdom

176 Characterization of regulatory B cell phenotypes in the blood and bone marrow following allergen inhalation challenge in mild allergic asthmatics

Oliveria J.P.1, Salter B.M.1, Nguyen P.V.1, El-Gammal A.I.1, Chen R.1, Smith S.G.1, Obminski C.D.1, Scime T.X.1, Watson R.1, Howie K.1, Sehmi R.1, Gauvreau G.M.1, McMaster Cardio-Respiratory Lab
1McMaster University, Medicine, Hamilton, Canada

177 Influence of the lower airways inflammation on regulatory T and B cell populations in grass-pollen allergic rhinitis and asthma patients

Zissler U.M.1, Rothkirch S.1,2, Lewitan L.1,2, Jakwerth C.A.1, Guerth F.1, Schmidt-Weber C.B.1, Chaker A.M.1,2
1Technical University Munich and Helmholtz Center Munich, Center of Allergy and Environment (ZAUM), Member of the German Center for Lung Research (DZL), Munich, Germany, 2Technical University of Munich, Department of Otorhinolaryngology and Head and Neck Surgery, Medical School, Munich, Germany

178 IgE sensitisation to food allergens associates with increased serum periostin levels while IgE sensitisation to aeroallergens associates with increased FeNO in subjects with asthma from the Swedish GA 2 LEN-study

Patelis A.1, Alving K.2, Dahlén S.E.3, Forsberg B.4, Janson C.1, Malinovschi A.1
1Uppsala University, Respiratory, Allergy and Sleep Research, Uppsala, Sweden, 2Uppsala University, Women’s and Children’s Health, Uppsala, Sweden, 3Karolinska Institute, Institute of Environmental Medicine, Stockholm, Sweden, 4Umeå University, Division of Occupational and Environmental Medicine, Public Health and Clinical Medicine, Umeå, Sweden

179 Specific airway resistance is more sensitive in diagnosing asthma in patients with a normal bronchial challenge test (FEV1) compared to FeNO and blood eosinophils

Van Nederveen-Bendien S.A.1, Heijerman H.G.M.1, van den Ende-van der Velden P.J.W.2
1HAGA Teaching Hospital, Department of Pulmonology, Den Haag, The Netherlands, 2HAGA Teaching Hospital, Pulmonary Function Laboratory, Den Haag, The Netherlands
Oral Abstract Session (OAS 31) 15:30 – 17:00

Molecular allergology: Methods and clinical utility  
Schubert 4-6

Chairs: Markus Ollert, Luxembourg  
Jörg Kleine-Tebbe, Germany

Session roadmap
Markus Ollert, Luxembourg

180 Recombinant CCD-specific human antibodies for structural and functional analyses
1 Aarhus University, Immunological Engineering, Department of Engineering, Aarhus, Denmark, 2 Aarhus University, Department of Molecular Biology and Genetics, Aarhus, Denmark, 3 Euroimmun AG, Lübeck, Germany, 4 University Hospital Giessen and Marburg, Dermatology und Allergology, Giessen, Germany

181 Highly purified natural Der p 2 for use as molecular reference material
Wünschmann S., Briza P., Prtorich K., Thorpe C., Cerritos H., Valles L., Chapman M.
1 INDOOR Biotechnologies Inc., Charlottesville, United States, 2 University of Salzburg, Molecular Biology, Salzburg, Austria

182 Physico-chemical and immunological characterization of the recombinant Blomia tropicalis allergenBlo t 2
1 Universidade Federal da Bahia, Instituto de Ciências da Saúde, Salvador, Brazil, 2 University of Salzburg, Molecular Biology, Salzburg, Austria

183 Immunoproteomics of ticks from two geographical regions reveal IgE reactivity to the same α-Gal containing proteins
Apostolovic D., Commins S., Starkhammar M., Grunström J., Bigdeli N., Cirkovic Velickovic T., Platts-Mills T., Hamsten C., van Hage M.
1 Karolinska Institutet, Department of Medicine Solna, Stockholm, Sweden, 2 University of North Carolina School of Medicine, Department of Medicine, Chapel Hill, United States, 3 Södersjukhuset, Department of Internal Medicine, Stockholm, Sweden, 4 University of Belgrade, Center of Excellence for Molecular Food Sciences, Faculty of Chemistry, Belgrade, Serbia, 5 University of Virginia Health System, Asthma and Allergic Diseases Center, Charlottesville, United States, 6 Karolinska Institutet, Center for Inflammatory Diseases, Stockholm, Sweden

184 Clinical utility of recombinant allergen components in diagnosing buckwheat allergy
Maruyama N., Sato S., Yanagida N., Cabanos C., Ito K., Borres M., Movérare R., Tanaka A., Ebisawa M.
1 Kyoto University, Graduate School of Agriculture, Kyoto, Japan, 2 Sagamihara National Hospital, Clinical Research Center for Allergology and Rheumatology, Sagamihara, Japan, 3 Sagamihara National Hospital, Department of Pediatrics, Sagamihara, Japan, 4 Aichi Children’s Health and Medical Center, Department of Allergy, Obu, Japan, 5 Thermo Fisher Scientific, Uppsala, Sweden, 6 Thermo Fisher Scientific, Tokyo, Japan

185 The major peanut allergen Ara h 2 mimotopes: identification, characterization and display on Lactococcus lactis
Luzar J., Šilar M., Berlec A., Štrukelj B., Korošec P., Lunder M.
1 University of Ljubljana, Faculty of Pharmacy, Ljubljana, Slovenia, 2 The University Clinic of Pulmonary and Allergic Diseases Golnik, Golnik, Slovenia, 3 Josef Stefan Institute, Department of Biotechnology, Ljubljana, Slovenia
**Poster Discussion Session (PDS 29) 15:30 – 17:00**

**Asthma management**

**Poster Discussion Zone 1**

**Chairs:**
Leif Bjoermer, Sweden
Silvia Sanchez-Garcia, Spain

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551 **Omalizumab treatment decreased IL-1β and irisin but increased chemerin without any impact on NK cells and APC cells in cases of severe asthma**

Bulut T.1, Yalcin A.D.1, Celik B.1, Genc G.E.1, Kose S.1, Gocmen A.Y.1, Kiraz K.1, Harman R.1, Bulut I.1, Gumuslu S.1

1Antalya Education and Research Hospital, Department of Pathology, Antalya, Turkey, 1Academia Sinica, Genomics Research Center, Taipei, Taiwan, 1Biochemistry, Faculty of Medicine, Akdeniz University, Antalya, Turkey, 1Tepeck Education and Research Hospital, Izmir, Turkey, 1Faculty of Medicine, Bozok University, Department of Medical Biochemistry, Yozgat, Turkey, 1Antalya Education and Research Hospital, Antalya, Turkey, 1Sanko University, Gaziantep, Turkey, 1Sureyyapasa Education and Research Hospital, Istanbul, Turkey, 1Faculty of Medicine, Akdeniz University, Department of Medical Biochemistry, Antalya, Turkey

552 **Seven years of clinical experience with omalizumab for moderate-severe allergic asthma treatment**

Morales-Cabeza C.1, Buendía-Bravo S.1, Baeza M.L.1, Rodríguez-González C.G.2, Sanjurjo-Sáez M.2, Zubeldia J.M.1

1Hospital General Universitario Gregorio Marañón, Allergy Service, Madrid, Spain, 2Hospital General Universitario Gregorio Marañón, Pharmacy Service, Madrid, Spain

553 **Effect of mepolizumab in severe eosinophilic asthma patients in relation to their baseline ACQ-5 and SGRQ scores**

Albers F.C.1, Price R.2, Ortega H.2, Yancey S.W.3, Nelsen L.M.4, Jones P5

1GlaxoSmithKline, Respiratory Medical Franchise, Research Triangle Park, NC, United States, 2GlaxoSmithKline, Stockley Park, Uxbridge, Middlesex, United Kingdom, 3GlaxoSmithKline, Respiratory Therapeutic Area, Research Triangle Park, NC, United States, 4GlaxoSmithKline, Value Evidence and Outcomes, Collegeville, PA, United States, 5GlaxoSmithKline, Respiratory Medical, Brentford, United Kingdom

554 **Evaluation of methotrexate in the treatment of severe persistent asthma**

Delmas C.1, Hervy F.1, Gairaud-Dory A.-C.1, Molard A.1, Metz-Favre C.1, Barnig C.1, Gourieux B.1, de Blay F.1

1Strasbourg University Hospital, Chest Diseases Department, Strasbourg, France, 2Strasbourg University Hospital, Pharmacy-sterilization Department, Strasbourg, France

555 **Real-world experience with a new dry powder inhaler for asthma/chronic obstructive pulmonary disease (COPD): patient satisfaction, preference and ease of use**

Gillissen A.1, Schneideireit R.2, Gessner C.2, Herth F.J.4, Kanniess F.5, Kardos P.5, Lommatzsch M.7, Windisch W.8

1General Hospital Kassel, Pulmonary Medicine, Kassel, Germany, 2Teva GmbH, Berlin, Germany, 3POIS Leipzig GbR, Gessner & Gessner, Leipzig, Germany, 4Thoraxklinik, University of Heidelberg, Heidelberg, Germany, 5Gemeinschaftspraxis Reinfeld, Reinfeld, Germany, 6Group Practice Allergy, Respiratory & Sleep Medicine at Mainzgau Hospital, Frankfurt/Main, Germany, 7University of Rostock, Rostock, Germany, 8Department of Pneumology, Cologne Merheim Hospital, Witten/Herdecke University, Faculty of Health/School of Medicine, Cologne, Germany

556 **Switch from mid-dose inhaled corticosteroid/long-acting beta2 agonist (ICS/LABA) treatment to fluticasone furoate/vilanterol (FF/VI) 100/25μg**

Jacques L.1, Goldfrad C.1

1GSK, Uxbridge, United Kingdom

557 **Stepping down from fluticasone furoate/vilanterol (FF/VI) to inhaled corticosteroids (ICS) alone**

Jacques L.1, Goldfrad C.1

1GSK, Uxbridge, United Kingdom

558 **Combination therapy of inhaled steroids and long-acting beta2-agonists in asthma-COPD overlap syndrome**

Lee S.-Y.1, Park H.Y.2, Ko Y.1, Park S.Y.1, Mo E.K.1, Yoo K.H.3, Park Y.B.1, KOLD Study Group

1Hallym University Kangdong Sacred Heart Hospital, Division of Pulmonary, Allergy and Critical Care Medicine, Seoul, Republic of Korea, 2Samsung Medical Center, Seoul, Republic of Korea, 3Konkuk University Medical Center, Division of Pulmonary and Critical Care Medicine, Republic of Korea

559 **High levels of group 2 innate lymphoid cells were inhibited with glucocorticoid treatment in allergic airway inflammation patients in China**

Fu Q.-L.1, Yu Q.-N.1, Guo Y.-B.2, Tan W.-P.2

1The First Affiliated Hospital, Sun Yat-sen University, Otorhinolaryngology Hospital, Guangzhou, China, 2The First Affiliated Hospital, Sun Yat-sen University, Department of Respiratory, Guangzhou, China
560 **Hypersensitivity to fluorescein – experience of a tertiary hospital**

Duarte Ferreira R.1, Cabral Duarte F.1, Pereira Barbosa M.1
1Northern Lisbon Hospital Center, Lisbon Academic Medical Center, Immunology Service and University Department, Lisbon, Portugal

561 **Perioperative anaphylaxis due to selective hypersensitivity to cefazolin**

Mota I.1, Benito-Garcia F.1, Gaspar Â.1, Morais-Almeida M.1
1CUF Descobertas Hospital, Immunology Department, Lisbon, Portugal

562 **Descriptive analysis of patients evaluated in our allergy unit with allergic reactions to fluoroquinolones**

Barrionuevo E.1, Doña I.1, Gomez F.1, Muñoz-Daga O.1, Ruiz A.1, Guzman A.2, Guerrero M.A.1, Ruiz M.D.1, García R.1, Blanca M.1, Torres M.J.1
1Regional Hospital of Málaga-IBIMA, Allergy, Málaga, Spain, 2Regional Hospital of Málaga-IBIMA, Pharmacy Unit, Málaga, Spain

563 **Study of patients sensitized to quinolone drugs**

Sanchez-Gonzalez M.-J.1, Barbarroja-Escudero J.1, Antolin-Amerigo D.1, Ortega-Berruezo M.-A.1, Alvarez-Mon Soto M.1, Rodriguez-Rodriguez M.1
1Hospital Universitario Príncipe de Asturias, Alcalá de Henares, Spain

564 **Study of reactions due to quinolones**

Martí Garrido J.1, Torán Barona C.1, Kury Valle D.G.1, Perales Chordá C.1, Pacheco Coronel V.1, López Salgueiro R.1, Díaz Palacios M.1, Hernández Fernández de Rojas D.1
1IIS Hospital La Fe, Allergy, Valencia, Spain

565 **Anti-neoplastic chemotherapy agents-related adverse drug reactions reported to the Korea Adverse Event Reporting System (KAERS)**

Kim T.-B.1, Kim H.-J.1, Park S.-Y.1, Kim J.-H.1, Seo B.1, Kim M.-G.1, Kwon H.-S.1, Moon H.-B.1, Cho Y.S.1
1Asan Medical Center, University of Ulsan College of Medicine, Allergy and Clinical Immunology, Seoul, Republic of Korea

566 **Hypersensitivity reactions to iodinated contrast media in a Mediterranean population**

Kontogiorgaki I.1, Chiarioglou E.1, Potika M.1, Sandilos C.1, Aggelides X.1, Makris M.1
1Attikon University Hospital, 2nd Dept. of Dermatology and Venereology, Athens, Greece

567 **The evaluation of patients developed severe cutaneous drug reactions**

Guvenir H.1, Dibek Misirlioglu E.1, Capanoglu M.1, Vezir E.1, Toyran M.1, Civelek E.1, Buyuktiryaki B.1, Ginis T.1, Kocabas C.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

568 **Delayed hypersensitivity skin reactions: a case/non-case study from a Tunisian pharmacovigilance database**

Chaabane A.1, Ben Fadhl N.1, Ben Fredj N.1, Chadli Z.1, Ben Romdhane H.1, Boughattas N.1, Aouam K.1
1Medicine University, Monastir, Tunisia

570 **Role of skin tests in the diagnosis of hypersensitivity reactions to taxanes. Results of a multicenter study**

Bavbek S.1, Bonadonna P.2, Buyukozturk S.3, Cantore M.4, Caralli M.5, Cernadas J.6, Cortellini G.7, Costantino M.T.8, Gelincik A.9, Roncallo C.9, Paniani M.9
1Ankara, Medicine, Ankara, Turkey, 2Azienda Ospedaliera-Universitaria di Verona, Verona, Italy, 3Istanbul University Istanbul Faculty of Medicine, Internal Medicine, Istanbul, Turkey, 4Oncology Ward ASST Mantova, Medicine, Mantova, Italy, 5Gregorio Maranon Hospital, Madrid, Spain, 6Lusiasas Hospital, Internal Medicine, Porto, Portugal, 7Internal Medicine and Reumatology, Rimini, Italy, 8Allergology Service ASST Mantova, Medicine, Mantova, Italy, 9Medicine Ward ASST Mantova, Medicine, Pieve di Coriano, Italy

571 **Pristinamycin-induced acute generalized exanthematous pustulosis (AGEP): a case series**

Chaabane A.1, Ben Fredj N.1, Ben Romdhane H.1, Chadly Z.1, Boughattas N.1, Aouam K.1
1Medicine University, Monastir, Tunisia

572 **Value of re-exposure in patients with previous hypersensitivity reactions to intravenous iron**

Morales Mateluna C.A.1, Scherer Hofmeier K.1, Bircher A.J.1
1University Hospital Basel, Allergy Unit, Department of Dermatology, Basel, Switzerland
Tuesday, 14 June 2016

Management of food allergy

Poster Discussion Session (PDS 31)

15:30 – 17:00

Poster Discussion Zone 4

Chairs: Montserrat Fernández-Rivas, Spain
Isabel Skyapala, United Kingdom

573 The safety profile of oral immunotherapy with cow’s milk and hen’s egg: a ten year experience
Arasi S.1,2, Pajon G.B.1, Caminiti L.1, Chiera F.1, Crisafulli G.1, Salzano G.1, Flamino C.1, Passalacqua G.3
1University of Messina, Allergy Unit-Department of Pediatrics, Messina, Italy, 2Charité Medical University, Department of Pediatric Pneumology and Immunology, Berlin, Germany, 3IRCCS San Martino-IST-University of Genoa, Allergy and Respiratory Diseases, Genoa, Italy

574 Outcome of open peanut challenges and guided reintroduction after negative double blind placebo controlled challenges
van Erp F.C.1, Knust A.C.2, Gorissen M.3, van der Ent C.K.1, Meijer Y.1
1University Medical Centre Utrecht, Pediatric Pulmonology and Allergology, Utrecht, The Netherlands, 2University Medical Centre Utrecht, Dermatology and Allergology, Utrecht, The Netherlands, 3Deventer Ziekenhuis, Pediatrics, Deventer, The Netherlands

575 Yogurt challenge test in cow’s milk allergy with children
Kucukosmanoglu E.1, Özgen E.1, Bilgiç Eltan S.1, Özkarş M.Y.2, Keskin O.1
1Gaziantepe University Faculty of Medicine, Pediatric Allergy, Gaziantep, Turkey, 2Gaziantepe Children’s Hospital, Pediatric Allergy, Gaziantep, Turkey

576 Long-term follow-up of baked milk containing diet in patients with IgE-mediated milk allergy
Weinbrand-Goichberg J.1, Benor S.2, Shacham N.1, Rotem M.3, Kivity S.2, Sade K.2, Dalal I.2
1Wolfson Medical Center, Pediatric Allergy Unit, Holon, Israel, 2Tel Aviv Sourasky Medical Center, Allergy and Clinical Immunology Unit, Tel Aviv, Israel, 3Haemek Medical Center, Allergy Asthma and Immunology Unit, Afula, Israel

577 Could a slow-progression schedule with baked milk be a safer way for oral milk immunotherapy?
Amat F.1, Kouche C.2, Lemoine A.2, Gaspard W.2, Guiddir T.3, Lambert N.2, Ridray C.2, Nemmi A.2, Sarrio F.1, Saint-Pierre P.1, Couderc R.3, Deschildre A.3, Just J.3
1AP-HP-UPMC-Hôpital d’Enfants Armand Trousseau-INSERM UMR1 136, Department of Allergology, Paris, France, 2AP-Hôpital d’Enfants Armand Trousseau, Department of Allergology, Paris, France, 3AP-HP-Hôpital Armand Trousseau, Department of Dietetics, Paris, France, 4UPMC-INSERM UMR1 136, Laboratory of Theoretical and Applied Statistics, Paris, France, 5AP-Hôpital d’Enfants Armand Trousseau, Laboratory of Biochemistry and Molecular Biology, Paris, France, 6CHU Jeanne de Flandres, Department of Pediatric Allergology and Pulmonology, Lille, France

578 Home baked milk introduction for children less than 3 years old with IgE mediated cow’s milk allergy
Ball H.1, Stiefel G.1, Kirk K.1, Bravin K.1, Luyt D.1
1University Hospitals of Leicester, Children’s Allergy Service, Leicester, United Kingdom

579 Oral immunotherapy and omalizumab for food allergy
Lefèvre S.1,2, Kanny G.2,3
1CHR Metz-Thionville, Allergy Department, Metz, France, 2EA 7299 ‘Innovatory Practices in Health’, University of Lorraine, Laboratory of Medical Hydrology and Climatology, Faculty of Medicine, Vandoeuvre-les-Nancy, France, 3University Hospital, Internal Medicine, Clinical Immunology and Allergology, Nancy, France

580 Efficacy of LTP immunotherapy in patients with food anaphylaxis
Vega A.1, Beltia J.M.1, Cárdenas R.1, Mateo M.B.1, Alonso A.M.1
1Hospital Universitario de Guadalajara, Allergy Section, Guadalajara, Spain

581 The role of cofactors in allergic reactions to food
Versluis A.1, van Os- Medendorp H.1, Kruizinga A.G.2, Michelsen A.3, Blom W.M.2, Houben G.F.3, Knust A.C.1
1University Medical Centre Utrecht, Dermatology/Allergology, Utrecht, The Netherlands, 2TNO, Zeist, The Netherlands, 3University Medical Centre Utrecht, Utrecht, The Netherlands

582 Threshold dose distribution for cashew nut allergy in children
Chauveau A.1, Clerc-Urmes I.2, Cordebar V.1, Dumond P.1, Renaudin J.-M.3
1Children’s Hospital, University Hospital of Nancy, Pediatric Allergology, Vandoeuvre les Nancy, France, 2University Hospital of Nancy, CIC-EC CIE6 Inserm, Epidemiology and Clinical Evaluation, Vandoeuvre les Nancy, France, 3Allergy Vigilance Network, Vandoeuvre les Nancy, France

583 Prepackaged foods are the most frequent cause of unexpected allergic reactions which are usually moderate to severe
1University Medical Centre Utrecht, Dermatology/Allergology -Dietetics, Utrecht, The Netherlands, 2University Medical Centre Utrecht, Dermatology/Allergology, Utrecht, The Netherlands, 3The Netherlands Organization for Applied Scientific Research TNO, Zeist, The Netherlands, 4The Netherlands Food and Consumer Product Safety Authority, Utrecht, The Netherlands

584 Weaknesses of treatment guidelines for the management of anaphylaxis and healthcare utilization following an anaphylaxis event
Saathoff F.1, Karljäinen M.1, Lehniok U.1, Locklear J.2, Brown D.3
1Allergopharma GmbH & Co. KG, Reinbek, Germany, 2EMD Serono, Inc., Rockland, United States, 3Xcenda, LLC, Palm Harbor, United States
### Late Breaking Poster Discussion (LB PDS 5)

**15:30 – 17:00**

#### Angioedema and urticaria

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<th>Poster Discussion Zone 2</th>
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<td><strong>1452</strong> Incorrect and incomplete demonstration of epinephrine auto-injectors by pharmacists in the Netherlands&lt;br&gt;Saleh-Langenberg J.1,2, de Vries S.1, Flokstra-de Blok B.M.1,3, Bak E.1, Dubois A.E.1,2&lt;br&gt;1University of Groningen, University Medical Center Groningen, Department of Pediatric Pulmonology and Pediatric Allergy, Groningen, The Netherlands, 2University of Groningen, University Medical Center Groningen, GRIAC Research Institute, Groningen, The Netherlands, 3University of Groningen, University Medical Center Groningen, Department of General Practice, Groningen, The Netherlands</td>
<td><strong>1455</strong> Emotion regulation and stress in children with hereditary angioedema with C1 inhibitor deficiency&lt;br&gt;Savarese L.1, Bova M.2, De Falco R.2, Petraroli A.2, Guarino M.D.4, Perricone R.1, Zanichelli A.5, Cicardi M.5, Zito E.5, Francese A.6, Fontana F.7, Triggiani M.8, Marone G.2, Cancian M.9, Valerio P.7, Freda M.1&lt;br&gt;1University Federico II, Department of Pediatrics, Naples, Italy, 2University Federico II, Department of Translational Medical Sciences and Center for Basic and Clinical Immunology Research (CISI), Naples, Italy, 3University Federico II, Department of Neurosciences, Naples, Italy, 4University Tor Vergata, Unidad of Rheumatology, Allergology, and Clinical Immunology, Rome, Italy, 5University of Milan, Department of Internal Medicine, Milan, Italy, 6University Federico II, Unidad of Diabetology, Department of Translational Medicine, Naples, Italy, 7University Federico II, Unity of Rheumatology, Department of Translational Medicine, Naples, Italy, 8University of Salerno, Division of Allergy and Clinical Immunology, Salerno, Italy, 9University of Padua, Department of Medicine, Padua, Italy</td>
</tr>
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Cognitive performance and attention of csU patients – objectifying measurements by computer-assisted memory and attention tests (MAT): first results

Mahler V.1, Glaenz T.2, Gantner S.3, Brasch J.4, Moll I.2, Baumgart N.1, Adler G.1
1Friedrich-Alexander-University Erlangen-Nuremberg, Dept. of Dermatology, University Hospital Erlangen, Erlangen, Germany, 2PsoriSol Hautklinik GmbH, Hersbruck, Germany, 3University Hospital of Regensburg, Dept. of Dermatology, Regensburg, Germany, 4University Hospital of Kiel, Dept. of Dermatology, Kiel, Germany, 5University Hospital of Hamburg Eppendorf, Dept. of Dermatology, Hamburg, Germany, 6SPG Institut für Studien zur Psychiatrischen Gesundheit GmbH, Mannheim, Germany

Chronic spontaneous urticaria treated with omalizumab: personalised treatment for a cohort of 64 patients between 2013 and 2016

Mansard C.1,2, Boccon-Gibod I.2,3, Pralong P.4, Leccia M.-T.4, Bouillet L.1,2
1Grenoble University Hospital, Internal Medicine Department, La Tronche, France, 2Grenoble University Hospital, French National Reference Center of Angioedema, La Tronche, France, 3Grenoble University Hospital, Internal Medicine Department, Grenoble, France, 4Grenoble University Hospital, Dermatology and Allergology Department, La Tronche, France

Efficacy of bilastine updosing in refractory moderate to severe chronic spontaneous urticaria

Weller K.1, Andre F.1, Schoepke N.1, Ohanyan T.1, Zuberbier T.1, Maurer M.1
1Charité - Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany

Differences between patients with systemic mastocytosis (SM) and patients with Mast Cell Activation Syndrome (MCAS)

Weller C.1, Alhurani R.E.1
1Mayo Clinic, Division of Allergy, Department of Internal Medicine, Rochester, United States

Business Meeting (BM 20) 17:30 – 18:40

Interest Group on Eosinophilic Esophagitis – Open to all attendees

Lehar 2

Eosinophilic esophagitis: An auto-immune disease or an allergy?

Alex Straumann, Switzerland

Business Meeting (BM 21) 17:30 – 18:40

Interest Group Allied Health – Open to all attendees

Lehar 3

The how and why of evidence-based practice in the day-to-day management of allergy

Nicolette de Jong, The Netherlands

Business Meeting (BM 22) 17:30 – 18:40

Interest Group Comparative and Veterinary Allergology – Open to all attendees

Lehar 4

Protein arrays in allergy diagnosis in humans, dogs and horses

Marcos Alcocer, United Kingdom

Business Meeting (BM 23) 17:30 – 18:40

Interest Group OMICS and Systems Medicine – Open to all attendees

Stolz 2

Systems medicine: What can we learn from comparing different diseases

Mikael Benson, Sweden
Business Meeting (BM 24)  
17:30 – 19:10
Junior Members (JMs) – Open to all attendees  Schubert 1-3
Can people power your scientific discoveries? Crowdfunding for research  
Chrysanthi Skevaki, Germany

Business Meeting (BM 25)  
17:30 – 18:40
Patients Organisations Committee – Open to all attendees  Schubert 4-6
Preventing food allergy through early weaning: Remaining questions  
George du Toit, United Kingdom

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BUILDING STRONG COLLABORATIONS WITH:

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- **European Chronic Disease Alliance (ECDA)** to raise awareness among policy makers about the surge in chronic diseases
- **Alliance for Biomedical Research in Europe (BioMed Alliance)** to promote excellence and innovation in European biomedical research
- **European Medicines Agency (EMA)** to support safe and effective quality interventions for allergic diseases and asthma

2016 EVENTS

**26-28 April, Brussels**
Allergy Awareness Event at the European Parliament
Call for better policies to tackle the allergy epidemics

**13 June, Vienna**
High Level EU Stakeholders Lunch
Strengthen collaboration to curb the growing allergy epidemic

**10 November, Florence**
AIT Summit - On the road to prevention and healthy living
First draft of the EAACI AIT guidelines opened to public debate
## Programme at a Glance, Wednesday, 15 June 2016

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<td>SYM 52 The future of allergen extracts</td>
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<td>SYM 53 News from immunotherapy in childhood</td>
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<td>SYM 54 Global issues in food allergy</td>
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<td>SYM 55 Microbiota and allergic diseases</td>
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<td>SYM 56 Innate immune system and allergy</td>
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<td>LB OAS 7 Interactions of allergens and immune responses in immunotherapy</td>
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<td>LB OAS 8 Asthma immunopathology</td>
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Programme is still subject to change. Please refer to the Congress App for the latest programme.

### Plenary Symposium (PL 6) 08:30 – 10:00

**Wrapping up immunotherapy**

**Chair:** Peter Hellings, Belgium  
Nikos Papadopoulos, Greece

- **AIT in food allergy**  
  Kirsten Beyer, Germany

- **Desensitisation versus tolerance**  
  Wayne Shreffler, United States

- **Novel biomarkers in AIT**  
  Mohamed Shamji, United Kingdom

### Symposium (SYM 52) 10:30 – 12:00

**The future of allergen extracts**

**Chair:** Marianne van Hage, Sweden

- **Is European legislation killing allergy diagnostics?**  
  Torsten Zuberbier, Germany

- **Compare the European and the US situations**  
  Thomas Platts-Mills, United States

- **A lesson from component-resolved testing: We need better extracts**  
  Rob Aalberse, The Netherlands

### Symposium (SYM 53) 10:30 – 12:00

**News from immunotherapy in childhood**

**Chairs:** Montserrat Alvaro Lozano, Spain  
Wayne Shreffler, United States

- **SLIT preventing sensitisation?**  
  Zsolt Szépfalusi, Austria

- **Does SLIT for rhinitis prevent progression to asthma?**  
  Adam Fox, United Kingdom

- **Tolerance versus desensitisation in OIT**  
  Pablo Rodríguez del Río, Spain

### Symposium (SYM 54) 10:30 – 12:00

**Global issues in food allergy**

**Chair:** Arne Høst, Denmark

- **Food security**  
  Guy Poppy, United Kingdom

- **Is food allergy in Africa and Asia different?**  
  Abena Amoah, Ghana

- **How to assess the allergenicity of new food sources**  
  André Knulst, The Netherlands
Symposium (SYM 55) 10:30 – 12:00

Microbiota and allergic diseases

Chairs: Eugene Bleecker, United States
Barbara Bröker, Germany

The microbiota in early life and its role in health and disease
Harri Alenius, Finland

Skin microbiome
Carsten Flohr, United Kingdom

Microbiome on mucosal surfaces
Maria Jenmalm, Sweden

Symposium (SYM 56) 10:30 – 12:00

Innate immune system and allergy

Chairs: Liam O’Mahony, Switzerland
Stefan Martin, Germany

Metabolic factors controlling inflammation
Benjamin Marsland, Switzerland

Role of IL-33
Jean-Philippe Girard, France

Innate lymphoid cells
Jenny Mjösberg, Sweden

Oral Abstract Session (OAS 32) 10:30 – 12:00

Clinical experience in drug allergy

Chairs: Ingrid Terreehorst, The Netherlands
Anca Mirela Chiriac, France

Session roadmap
Ingrid Terreehorst, The Netherlands

186 Drug induced anaphylactic reactions in children and adolescents
Cavkaytar O.1, Karaatmaca B.1, Gur Cetinkaya P.1, Esenboga S.1, Arik Yilmaz E.1, Buyuktiryaki B.1, Sahiner U.M.1, Sekerel B.E.1, Soyer O.1
1Hacettepe University School of Medicine, Department of Pediatric Allergy, Ankara, Turkey

187 Diagnosing hypersensitivity to cephalosporins in suspected β-lactam allergic patients
Cosme J.1, Lopes A.1, Spínola-Santos A.1, Pereira-Barbosa M.1,2
1Serviço de Imunoalergologia, Centro Hospitalar Lisboa Norte - Hospital de Santa Maria, Lisboa, Portugal, 2Clínica Universitária de Imunoalergologia - Faculdade de Medicina de Lisboa, Lisboa, Portugal

188 The evaluation of pediatric patients who are allergic to early type β-lactam antibiotics
Dibek Misirlioğlu E.1, Guvenir H.1, Vezer E.1, Capanoğlu M.1, Toyran M.1, Civelek E.1, Kocabas C.2
1Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 2Mugla Sıtkı Koçman University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Muğla, Turkey

189 Beta-lactam hypersensitivity work-up: a single center experience from Prague
Sedláčková L.1, Prucha M.1, Petru V.1, Ponakova I.1, Kopecka K.1, Nagyova L.2, Khalili-Kotorova A.2
1Hospital Na Homolce, Allergy and Clinical Immunology Center, Prague 5, Czech Republic, 2Hospital Na Homolce, Pharmacy, Prague 5, Czech Republic

190 Skin testing and drug provocation test in the evaluation of cephalosporin allergy
Chng H.H.1, Chan Y.L.G.1, Thong B.1, Chia F.1, Tan J.1, Tan T.C.1, Tan S.C.1, Tang C.Y.1, Hou J.F.1, Anq A.1, Leong K.P.1
1Tan Tock Seng Hospital, Rheumatology, Allergy and Immunology, Singapore, Singapore

191 Utility of a website based database of drug allergy: North American impressions
Joshi N.P.1, Jain V.1, Kalicinski C.1, Nagpal A.1, Jaydav S.2, Pun T.1
1University of Manitoba, Winnipeg, Canada, 2Windsor University School of Medicine, Basseter, United States Minor Outlying Islands

www.eaaci2016.org
**Late Breaking Oral Abstract Session (LB OAS 7)**  
10:30 – 12:00

**Interactions of allergens and immune responses in immunotherapy**

**Stolz 2**

**Session roadmap**

1382  
**Major mugwort pollen allergen Art v 1 shielded inside of virus-like nanoparticles selectively targets T cells and is not allergenic**  
Krätzer B.1, Köhler C.1, Trapan D.1, Linhart B.2, Valenta R.2, Pickl W.F.1  
1Medical University of Vienna, Institute of Immunology, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, 2Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria

1383  
**Biophysical and functional characteristics of altered peptide ligands derived from the immunodominant peptide of the major mugwort pollen allergen Art v 1 Candi a M R.1, Rosskopf S.1, Neunkirchner A.1, Steinberger P.1, Pickl W.F.1**  
1Institute of Immunology, Center for Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Vienna, Austria

1384  
**Recombinant production of a hypoallergenic variant of the major peanut allergen Ara h 2 in the baculovirus insect cell system**  
Tscheppe A.1, Palmberger D.2, Radauer C.1, Bublin M.1, Hafner C.3, Palladino C.1, Gepp B.1, Lengger N.1, Grabherr R.2, Breiteneder H.1  
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2University of Natural Resources and Life Sciences Vienna, Department of Biotechnology, Vienna, Austria, 3Karl Landsteiner Institute for Dermatological Research, St. Poelten, Austria

1385  
**Systemic increase of regulatory B cells coincides with shift in effector T cell compartments following grass pollen-specific immunotherapy**  
Jakwerth C.A.1, Zissler U.M.1, Gürth F.M.1, Hajdu Z.2, Nandy A.3, Schmidt-Weber C.B.1, Chaker A.M.1,2  
1ZAUM - Center of Allergy & Environment, Technical University of Munich (TUM) and Helmholtz Center Munich, Member of the German Center for Lung Research (DZL), Munich, Germany, 2ENT Clinic, Klinikum rechts der Isar, Technical University of Munich (TUM), Munich, Germany, 3Allergopharma GmbH & Co. KG, Reinbek, Germany

**High-dose bee venom exposure induces similar tolerogenic B cell responses in patients and healthy beekeepers**

Boonpiyathad T.1,2,3, Meyer N.4, Moniuszko M.5, Sokolowska M.1, Ejiaszewicz A.1, Wirz O.F.1, Tomasiak-Lozowska M.M.6, Ruxrungtham K.7, van de veen W.1,2  
1Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos Platz, Switzerland, 2Christine Kühne-Center for Allergy Research and Education (CK-CARE), Davos, Switzerland, 3Department of Medicine, Phramongkutklao Hospital, Bangkok, Thailand, 4University Hospital Bern, Inselspital, Department of Rheumatology, Clinical Immunology and Allergology, Bern, Switzerland, 5Medical University of Bialystok, Department of Regenerative Medicine and Immunology, Białystok, Poland, 6Medical University of Białystok, Department of Allergology and Internal Medicine, Białystok, Poland, 7Chulalongkorn University, Faculty of Medicine, Bangkok, Thailand

**IL-10 and IL-22 producing CLA+ Der p 1-specific T-cells correlated with SCORAD score during allergen-specific immunotherapy in house dust mite atopic dermatitis patients**

Boonpiyathad T.1,2,3, Morita H.1, Wawrzyniak M.1, Ruxrungtham K.2, Sangasapaviriya A.3, Pradubpongsa P.3, Akdis C.1  
1Swiss Institute of Allergy and Asthma Research (SIAF), University of Zürich, Davos, Switzerland, 2Chulalongkorn University, Medicine, Bangkok, Thailand, 3Phramongkutklao Hospital/Phramongkutklao College of Medicine, Medicine, Bangkok, Thailand

**Late Breaking Oral Abstract Session (LB OAS 8)**  
10:30 – 12:00

**Asthma: immunopathology**

**Schubert 1-3**

**Session roadmap**

1388  
**Chronic viral infection and regulatory cells in patients with asthma**  
Konishcheva A.1, Gervazieva V.1, Shodova S.2  
1Mechnikov Research Institute of Vaccines and Sera, Allergy Diagnosis, Moscow, Russian Federation, 2Mechnikov Research Institute of Vaccines and Sera, Mechanisms of Immune Regulation, Moscow, Russian Federation

1389  
**Developmental endothelial locus-1 (Del-1) antagonises Interleukin-17-mediated allergic asthma**  
Yan S.1, Zhang H.1, Liu Y.1, Chen L.1  
1Shanghai Children’s Hospital, Shanghai Jiao Tong University, Shanghai, China
Aerobic exercise attenuated dendritic cell maturation and lymphocyte activation in the OVA model of allergic asthma

MacKenzie B.1, Andrade-Sousa A.S.1, Oliveira-Junior M.C.1, Assumpção-Neto E.1, Alves-Rangel M.B.1, Renno A.S.1, Santos-Dias A.1, Cicco S.2, Grimm M.2, Müller T.2, Ligeiro Oliveira A.P.1, Arruda Martins M.2, Idzko M.2, Paula Vieira R.1

1Nove de Julho University (UNINOVE), Laboratory of Pulmonary and Exercise Immunology (LABPEI), São Paulo, Brazil, 2University Hospital Freiburg, COPD and Asthma Research Group, Department of Pneumology, Freiburg, Germany, 3University of Sao Paulo (USP), Laboratory of Experimental Therapeutics (LIM 20), São Paulo, Brazil

Mast cells suppress IL-33 induced airway inflammation by promoting regulatory T cell expansion

Morita H.1, Matsumoto K.2, Saito H.2, Nakae S.3, Akdis M.1, Akdis C.1

1Swiss Institute of Allergy and Immunology, University of Zurich, Davos Platz, Switzerland, 2National Research Institute for Child Health and Development, Department of Allergy and Clinical Immunology, Tokyo, Japan, 3The Institute of Medical Science, The University of Tokyo, Laboratory of Systems Biology, Center for Experimental Medicine and Systems Biology, Tokyo, Japan

Combined blockade of the IL13 and IL33 pathways leads to a greater inhibition of Type-2 inflammation over inhibition of either pathway alone

Ramirez-Carrozzi V.1, Sambandam A.1, Zhou M.2, Yan D.2, Xu M.2, Lee W.P.2, Pappu R.1

1Genentech, Immunology Discovery, South San Francisco, United States, 2Genentech Inc, Translational Immunology, South San Francisco, United States

Additional effects of clopidogrel to montelukast in attenuating eosinophil activation

Trinh T.H.1, Liu J.-N.1, Park H.-S.1,2, Shin Y.S.1

1Ajou University School of Medicine, Department of Allergy and Clinical Immunology, Suwon, Korea, Republic of, 2Ajou University School of Medicine, Department of Biomedical Sciences, Suwon, Korea, Republic of
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in Allergy and Clinical Immunology
26 – 29 January 2017
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Sunday 12 June

Poster Session (TPS 1) – Atopic dermatitis

Chair: Ulrike Raap, Germany

588 Aberrant expression of neutrophil α-defensins and pattern recognition receptor NOD2 and TLR2 of basophil in atopic dermatitis

Wong C.-K.1,2, Chu I.M.-T.1, Tsang M.S.-M.1,2, Hon K.-L.3, Lam C.W.-K.4

1The Chinese University of Hong Kong, Department of Chemical Pathology, Hong Kong, Hong Kong, China, 2The Chinese University of Hong Kong, Institute of Chinese Medicine and State Key Laboratory of Phytochemistry and Plant Resources in West China, Hong Kong, Hong Kong, China, 3The Chinese University of Hong Kong, Department of Paediatrics, Hong Kong, Hong Kong, China, 4Macau University of Science and Technology, State Key Laboratory of Quality Research in Chinese Medicine, Macao, Macao

589 The role of activated leukocyte cell adhesion molecule (ALCAM/CD166) in murine atopic dermatitis model

Oh M.S.1, Lee K.E.1, Hong J.Y.1, Kim M.N.1, Kim Y.S.1, Kim K.W.1, Kim K.E.1, Sohn M.H.1

1Department of Pediatrics and Institute of Allergy, Brain Korea 21 PLUS Project for Medical Science, Yongsei University College of Medicine, Seoul, Korea, Republic of

590 Mutations in the gene filaggrin in patients with atopic dermatitis as a risk factor for the severity of the disease

Balabolkin I.I.1, Larkova I.A.2, Bulgakova V.A.3, Pinelis V.G.3, Gusar V.A.4, Janin I.S.4

1Scientific Centre of Children Health, Institute of Pediatrics, Moscow, Russian Federation, 2Research Institute of Nutrition, Moscow, Russian Federation, 3Scientific Centre of Children Health, Moscow, Russian Federation, 4Research Center for Obstetrics, Gynecology and Perinatology, Moscow, Russian Federation

591 Effect of human umbilical cord derived mesenchymal stem cells on atopic dermatitis-like skin lesions induced by Aspergillus fumigatus

Cho H.-J.1, Park A.2, Park M.-N.2, Lee E.1, Yoon J.1, Suh N.2, Park H.2, Oh Y.-M.1, Yu J.1

1Asan Medical Center, University of Ulsan College of Medicine, Department of Pediatrics, Seoul, Korea, Republic of, 2Asan Institute for Life Sciences and University of Ulsan College of Medicine, Seoul, Korea, Republic of, 3Clinical Research Center for Chronic Obstructive Airway Diseases, Asan Medical Center, University of Ulsan College of Medicine, Department of Pulmonary and Critical Care Medicine, Seoul, Korea, Republic of

592 Clostridia in the gut may be linked with onset of atopic dermatitivsia eosinophilic inflammation


1Inje University Haeundae Paik Hospital, Department of Pediatrics, Busan, Korea, Republic of, 2Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Department of Pediatrics, Anyang, Korea, Republic of, 3Asan Institute for Life Sciences, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 4Seoul National University College of Medicine, Department of Public Health Science, Seoul, Korea, Republic of, 5Department of Public Health Science, Seoul National University, Seoul, Korea, Republic of, 6University of Cincinnati College of Medicine, Cincinnati, Ohio, United States, 7Department of Environmental Health Research, Seoul Medical Center, Seoul, Korea, Republic of, 8Department of Life Sciences, Hallym University, Chunchon, Korea, Republic of, 9Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 10Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Anyang, Korea, Republic of, 11University of Ulsan College of Medicine, Seoul, Korea, Republic of

Allergological evaluation of a dog population in a veterinary immuno-allergology consultation – what correlates in a canine model

Dias J.S.1, Pereira L.2, Goicoa A.3, Semião-Santos S.4, Bento O.5, Martins L.6

1Universidade Lusófona de Humanidades e Tecnologias, Departamento de Medicina Veterinária, Lisbon, Portugal, 2Escola Superior Agrária de Elvas, Instituto Politécnico de Portalegre, Elvas, Portugal, 3Hospital Universitario Rof Codina, Veterinary Faculty of Lugo, University of Santiago de Compostela, Lugo, Spain, 4Cursos de Enfermagem e Medicina, Universidade Tiradentes (UNIT), Aracaju, Brazil, 5School of Sciences and Technology, and ICAAM, University of Évora, Department of Animal Sciences, Évora, Portugal, 6School of Sciences and Technology, and ICAAM, University of Évora, Veterinary Medicine, Évora, Portugal

Depressive behavior manifested in atopic mice

Matsuda K.1, Tanaka A.2, Moon C.3, Endo S.4, Yanai S.4, Matsuda H.5

1Tokyo University of Agriculture and Technology, Cooperative Major in Advanced Health Science, Tokyo, Japan, 2Tokyo University of Agriculture and Technology, Comparative Animal Medicine, Tokyo, Japan, 3Chonnam National University, Veterinary Medicine and Veterinary Medical Research, Chonnam, Korea, Republic of, 4Tokyo Metropolitan Institute of Gerontology, Aging Neuroscience Research, Tokyo, Japan, 5Tokyo University of Agriculture and Technology, Veterinary Molecular Pathology and Therapeutics, Tokyo, Japan
Some possibly predisposing factors of atopic dermatitis
Sagysan A.1
1SRI of Epidemiology, Virology and Medical Parasitology after A.B.Aleksanyan, Yerevan, Armenia

Methicillin-resistant Staphylococcus aureus colonization in the children of atopic dermatitis in a single community hospital
Kim S.W.1
1Busan St.Mary’s Hospital, Department of Pediatrics, Busan, Korea, Republic of

Significance of clinical and laboratory tests in children with atopic dermatitis based on the presence of hypoalbuminemia: a single centre experience
Sung M.S.1, Kim S.W.2, Kim G.E.2, Kang J.S.2
1Gumi CHA University Hospital, Gumi, Korea, Republic of, 2Busan St. Mary’s Hospital, Busan, Korea, Republic of

Effectiveness of therapies in the treatment of atopic dermatitis in children
Sizyakina L.P.1, Penechko E.2
1Rostov State Medical University, Department of Clinical Immunology and Allergology, Rostov-on-Don, Russian Federation, 2Rostov State Medical University, Clinical Immunology and Allergology, Rostov-on-Don, Russian Federation

The search for effective control of severe atopic eczema in adults
Starostenko V.V.1, Sizyakina L.P.2, Sidorenko O.A.1
1Rostov State Medical University, Department of Skin and Venereal Diseases, Rostov-on-Don, Russian Federation, 2Rostov State Medical University, Department of Clinical Immunology and Allergy, Rostov-on-Don, Russian Federation

Severe eczema herpeticum in an infant: a case report
Rodolfo A.1, Reis Melo A.2, Espineira C.2, Sousa R.2, Bonito V.2, Maia A.2
1Centro Hospitalar de São João (CHSJ), Immunology and Allergology, Porto, Portugal, 2Centro Hospitalar de São João (CHSJ), Pediatrics, Porto, Portugal

Atopic dermatitis and pediatric immunology
Sagysan A.1
1SRI of Epidemiology, Virology and Medical Parasitology after A.B.Aleksanyan, Yerevan, Armenia

A blend of organic extra virgin olive oils ameliorates atopic dermatitis (and psoriasis). A pilot study
De Vicente Jiménez T.M.1, Vidal-Asensi S.2, Pérez-Baños V.2, Cisterna-Cáncer R.4, Villarrubia V.G.5, Montero de Francisco A.1
1Hospital Central de la Defensa, IMIDEF, Allergology and Clinical Immunology, Madrid, Spain, 2Hospital Central de la Defensa, IMIDEF, Dermatology, Madrid, Spain, 3Hospital de Jaén, Service of Nephrology, Madrid, Spain, 4Vasc Country, Department of Immunology, Microbiology and Parasitology, Madrid, Spain, 5Bioaveda, Department of R&D Immunology, Madrid, Spain

What exactly is the pruritus?
Marton C.1, Coroi M.2
1Oradea County Hospital, Oradea, Romania, 2University of Oradea, Oradea, Romania

Diagnosis of chronic urticaria and atopic dermatitis in a multi-sensitized patient
Wawrzeńczyk A.1, Bobkowska-Gotz M.1, Zacniewski R.1, Kolkhir P.1
1Eginition Hospital, University of Athens Medical School, First Psychiatry Department, Athens, Greece, 2424 General Military Training Hospital, Department of Allergy and Clinical Immunology, Thessaloniki, Greece

Urticaria and facial edema due to sitagliptin
Fiqueroa C.1, Moreno-Fernandez A.2, Fontela J.L.2, Gonzalez I.1, Serna G.2
1SESCAM, Emergency Service, Toledo, Spain, 2Virgen de la Luz Hospital, Allergy, Cuenca, Spain

CU-Q2OL assessment in patients with chronic urticaria
Agondi R.C.1, Kamamori K.1, Dantas P.1, Barros M.T.2, Kalil J.1, Motta A.A.1
1Clinical Immunology and Allergy Division, University of Sao Paulo, Sao Paulo, Brazil, 2Clinical Immunology and Allergy Division, University of Sao Paulo, Sao Paulo, Brazil

Psychiatric comorbidities in patients with chronic urticaria: a systematic review
Konstantinou J.N.1, Chioti A.G.2, Konstantinou G.N.2
1Eginition Hospital, University of Athens Medical School, First Psychiatry Department, Athens, Greece, 2424 General Military Training Hospital, Department of Allergy and Clinical Immunology, Thessaloniki, Greece

High total IgE as a possible marker of long-lasting mild chronic spontaneous urticaria
Kolkhir P.1, Pogorelov D.1, Kochergin N.1, Kosoukhova O.1, Olisova O.1
1Sechenov First Moscow State Medical University, Moscow, Russian Federation

The concurrent emergence of urticarial vasculitis and Hashimoto thyroiditis
Senqul Emekisz Z.1, Caklaytar O.1, Ertugrul A.1, Gurkan A.2, Apaydin S.3, Ozmen S.1
1Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 2Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Dermatology, Ankara, Turkey, 3Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Pathology, Ankara, Turkey
610  **Prevalence of urticaria in pediatric population in Buenos Aires, Argentina: a health maintenance organization-based study**  
**Parisi C.A. S., 1** Petriz N.A., 1 Ritchie C., 1 Moreno C.B. 1  
1Hospital Italiano de Buenos Aires, Sección Alergia Pediátrica, Clínica Pediátrica, Ciudad Autónoma de Buenos Aires, Argentina, 2Hospital Italiano de Buenos Aires, Sección Alergia Adultos, Clínica Médica, Ciudad Autónoma de Buenos Aires, Argentina

611  **Prevalence of urticaria in adult population in Buenos Aires, Argentina: a health maintenance organization-based study**  
**Parisi C.A. S., 1** Ritchie C ., Petriz N.A., 1 Moreno C.B. 1  
1Hospital Italiano de Buenos Aires, Sección Alergia Adultos, Clínica Médica, Ciudad Autónoma de Buenos Aires, Argentina

612  **Prevalence of urticaria in Cartagena, Colombia**  
**Miranda Machado P.A., 1** Hoyos Sanchez B.D.L.C., 2 **Sabogal Cuadro P.E.** 3  
1Universidad Nacional de Colombia, Cartagena, Colombia, 2Instituto Nacional de Pediatría de Mexico, Cartagena, Colombia, 3Universidad de Cartagena, Cartagena, Colombia

613  **Different clinical presentations of cold urticaria: 4 cases**  
**Kepil Ozdemir S.1, Özgüçlü S.1**  
1Diskapi Yıldırım Beyazıt Training and Research Hospital, Allergy and Immunology, Ankara, Turkey

614  **High rate of atopy in patients with acquired cold-induced urticaria: results of a retrospective analysis**  
**Vasiliou M.1**  
1Allergy and Immunology, Semnan, Iran, Islamic Republic of, 2Naval Hospital, Allergy Department, Athens, Greece, 3Sotiria General Hospital, Allergy Department, Athens, Greece

615  **Acute urticaria due to bisacodyl**  
**Moreno-Fernandez A.1, Figueroa C.2, Mira J.1, Revilla M.3, Asensio J.1**  
1Virgen de la Luz Hospital, Allergy, Cuenca, Spain, 2SESCAM, Emergency Service, Toledo, Spain, 3Virgen de la Luz Hospital, Cuenca, Spain

616  **Bullous urticaria: a rare cause of acute urticaria**  
**Gur Celinkaya P.1, Sekerel B.E.1, Uysal Soyer O.1, Sahiner U.M.1**  
1Hacettepe University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey

617  **Pseudoangioedema due to Melkerson-Rosenthal syndrome – a case report**  
**Miskovic R.1, Plavsic A.1, Raskovic S.1, Djuric V.1, Tomic-Spiric V.1, Bogic M.2**  
1Clinical Center of Serbia, Clinic for Allergology and Immunology, Belgrade, Serbia, 2School of Medicine, University of Belgrade, Belgrade, Serbia

618  **PUPPP, an unusual urticarioid subtype frequently misdiagnosed: a case report**  
**Nedeva D.1, Lazarova T.1, Staevska M.1, Dimitrov V.1, Petkova E.1, Dimitrov A.1, Belcheva D.1**  
1Medical University of Sofia, Sofia, Bulgaria

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**Poster Session (TPS 3) – Immunodeficiency**

**Chairs:** Manual Rial Prado, Spain  
Martin van Hagen, The Netherlands

620  **Mycobacterial infections in primary immunodeficiency disorders: a single centre experience**  
**Karaca N.E.1, Ulusoy E.2, Aksu G.3, Kutukcuier N.2**  
1Ege University Medical Faculty, Department of Pediatrics, Izmir, Turkey, 2Ege University, Faculty of Medicine, Izmir, Turkey

621  **Genetic analysis of two different types of HIGM patients**  
**Bani Jamali E.1, Mazinani M.1, Alizadeh Z.2, Fazlollahi M.1, Atarod L.3, Pourpak Z.1**  
1Immunology, Asthma & Allergy Research Institute, Tehran University of Medical Sciences, Tehran, Iran, 2Immunology and Allergy Department, Tehran University of Medical Sciences, Tehran, Iran, 3Children Medical Center, Tehran University of Medical Sciences, Department of Immunology and Allergy, Tehran, Iran, Islamic Republic of

622  **Genetic diagnosis of hereditary angioedema type I in Iran (introducing three new mutations)**  
**Nabilou Deshry S.1, Alizadeh Z.2, Fazlollahi M.R.2, Movahedi M.1, Mohammadzadeh I.1, Nabavi M.3, Fayazi A.3, Mahdavian S.A.1, Heidarzadeh M.1, Ayazi M.2, Kokhai P.1, Pak F.1, Saghafi S.2, Pourpak Z.2, Moin M.2**  
1Students Research Committee and Cancer Research Center and Department of Immunology, Semnan University of Medical Sciences, Department of Immunology, Semnan, Iran, Islamic Republic of, 2Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Sciences, Tehran, Iran, 3Children Medical Center, Tehran University of Medical Sciences, Department of Immunology and Allergy, Tehran, Iran, Islamic Republic of, 4Non-Communicable Pediatric Diseases Research Center, Babol University of Medical Sciences, Babol, Iran, Islamic Republic of, 5Hazrat Rasoul Hospital, Iran University of Medical Sciences, Immunology and Allergy, Tehran, Iran, Islamic Republic of, 6Division of Allergy and Immunology, School of Medicine, Ahvaz University of Medical Sciences, Ahvaz, Iran, Islamic Republic of, 7Pediatric Respiratory Diseases Research Center, National Research Institute of Tuberculosis and Lung Diseases (NRITLD), Shahid Beheshti University of Medical Science, Tehran, Iran, Islamic Republic of, 8Kashan University of Medical Sciences, Department of Pediatrics, Kashan, Iran, Islamic Republic of, 9Cancer Research Center and Department of Immunology, Semnan University of Medical Sciences, Tehran, Iran, Islamic Republic of, 10Naval Hospital, Allergy Department, Athens, Greece, 11Sotiria General Hospital, Allergy Department, Athens, Greece

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The frequency of hypogammaglobulinemia in patients with ataxia-telangiectasia (AT): a prospective follow-up study
Zielen S.¹, Voss S.¹, Buecker A.², Hintze C.¹, Pomerening H.¹, Schubert R.¹
1Goethe-University, Allergology, Pneumology and Cystic Fibrosis, Frankfurt, Germany, 2Goethe-University, Frankfurt, Germany

Remodeling influences of the interferon- and immunotherapy on functions of neutrophilic granulocytes in women with chronic inflammatory diseases of the genital tract
Nesterova I.¹, Kolesnikova N.², Kovaleva S.³, Chudilova G.³, Lomtatidze L.³, Malinovskaya V.⁴
1The Peoples' Friendship University of Russia, Department of Allergology and Immunology, Moscow, Russian Federation, 2Kuban State Medical University, Department of Clinical and Experimental Immunology, Krasnodar, Russian Federation, 3Kuban State Medical University, Department of Clinical and Experimental Immunology, Krasnodar, Russian Federation, 4Federal State Research Center of Epidemiology and microbiology named after N.F.Gamaleya Russian Ministry of health, Department of Ontogenesis of Interferon system, Moscow, Russian Federation

Identification of two novel CFTR mutations in Iranian patients with CF
Badalzadeh M.¹, Pourpak Z.¹, Fazlolah M.R.¹, Aryani O.², Shams L.¹, Mosaiebi E.³, Moin M.¹, Houshmand M.³, Esmaeili B.⁴
1Asthma & Allergy Research Institute, NO.62, Children Medical Center, Tehran, Iran, Islamic Republic of, 2Special Medical Center, Tehran, Iran, Islamic Republic of, 3National Institute of Genetic Engineering and Biotechnology, Department of Medical Genetics, Tehran, Iran, Islamic Republic of, 4Immunology Asthma and Allergy Research Institute.Tehran University of Medical Sciences, Immunology, Tehran, Iran, Islamic Republic of

The frequency of hypogammaglobulinemia in patients who admitted to the tertiary care pediatrics hospitals
Civelek E.¹, Capanoglu M.¹, Kocabas C.N.², Metin A.¹
1Ankara Children’s Hematology Oncology Training and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey, 2Mula Sitki Kocman University Faculty of Medicine, Pediatric Allergy, Muqla, Turkey

Cellular and humoral primary immunodeficiency in children of Republic of Moldova
Sciucu S.¹, Selievrou R.¹, Cerempe L.¹, Botanu V.¹, Andries L.²
1State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova, 2State Medical and Pharmaceutical University, Chisinau, Republic of Moldova

Features of infectious syndrome in patients with common variable immune deficiency
Klyuchareva A.¹, Arhipova S.²
1Kazan State Medical University, Clinical Immunology and Allergy, Kazan, Russian Federation, 2Kazan State Medical University, Kazan, Russian Federation

Successful renal transplantation in a patient with a Wiskott-Aldrich syndrome
Chovancova Z.¹, ², Kuman M.¹, Vikova M.¹, Litzman J.¹
1St. Anne ‘s University Hospital in Brno, Department of Clinical Immunology and Allergy, Brno, Czech Republic, 2Masaryk University, Faculty of Medicine, Brno, Czech Republic, ³Cardiovascular and Transplant Surgery Centre, Brno, Czech Republic

High-dose intravenous immunoglobulin in the treatment of rituximab-induced B-cell dysfunction complicated with enteroviral meningoencephalitis
Ramonaite A.¹, Bajoriuniene I.¹, Sitkauskiene B.¹, Sakalauskas R.¹, Gerbutavicius R.²
1Lithuanian University of Health Sciences, Department of Pulmonology and Immunology, Kaunas, Lithuania, 2Lithuanian University of Health Sciences, Department of Oncology and Hematology, Kaunas, Lithuania

Genetic diagnosis of three patients with Hermansky pudlak syndrome type2 in Iran
Alizadeh Z.¹, ², ³, Nabilou Deshiry S.², Zandieh F.³, Hamidieh A.A.², Fazlolah M.R.¹, Pourpak Z.¹
1Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Sciences, Tehran, Iran, 2Immunology, Asthma & Allergy Research Institute, N0.62, Children Medical Center, Tehran, Iran, Islamic Republic of, 3Cancer Research Center and Department of Immunology, Semnan University of Medical Sciences, Semnan, Iran, Islamic Republic of

Interleukin-2 as adjuvant treatment in a patient with idiopathic CD4 lymphocytopenia and disseminated tuberculosis
Garcia J.F.B.¹, Kokron C.M.¹, ², Kalil J.¹, Giavina-Bianchi P.¹
1University of São Paulo, Clinical Immunology and Allergy, São Paulo, Brazil

Immune deficiency and Wegener’s granulomatosis: a report of a rare coexistence
Yesiliski S.¹, Selcuk A.¹, Baysan A.², Demirel F.¹, Kartal O.¹, Güleç M.¹, Musabak U.¹, Sener O.¹
1GATA School of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Ankara, Turkey, 2GATA School of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Istanbul, Turkey
Poster Session (TPS 4) – Basic and clinical immunology

Chairs: Carsten Schmidt-Weber, Germany
Thomas Eiwegger, Canada

635 Report of a patient with leukocyte adhesion deficiency type 1 syndrome and normal time of umbilical cord detachment
Safari M.1
1Hamedan University of Medical Sciences, Pediatric, Hamedan, Iran, Islamic Republic of

636 Serum adenosine deaminase activity in patients with viral infections
Titov L.B.1, Pavlov K.I.1, Znovets T.V.1, Rogacheva T.A.1, Anisko L.A.1, Davidovich G.M.1, DuBuske L.M.2,3
1Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

637 Immune responses at teenage are affected by obstetric factors in children born by C-section
Martikainen M.-V.1, Keski-Nisula L.2,3, Karvonen A.4, Pekkanen J5, Hirvonen M.-R.1,4, Roponen M.1
1University of Eastern Finland, Environmental and Biological Sciences, Kuopio, Finland, 2University of Eastern Finland, Health Sciences, Kuopio, Finland, 3Kuopio University Hospital, Obstetrics and Gynaecology, Kuopio, Finland, 4National Institute for Health and Welfare, Health Protection, Kuopio, Finland, 5University of Helsinki, Public Health, Helsinki, Finland

638 Vasculitis and chronic lymphocytic leukemia
Yakovliev P.H., Thomas Eiwegger, Germany
Carsten Schmidt-Weber, Germany

639 Coexistence of systemic lupus erythematosus and selective immunoglobulin A deficiency in a pediatric case
Serbes M.1, Sashüseyinoğlu Ş.1, Altintas D.U.1, Yılmaz M.1, Kont A.1, Duruer G.1
1Tracian University, Medicine, Stara Zagora, Bulgaria

640 A healthy female with C3 hypocomplementemia and C3 nephritic factor
Foan M.1, Cunningham-Rundles C.1
1Icahn School of Medicine at Mount Sinai, Allergy and Immunology, New York, United States

641 IL28B polymorphisms and hepatitis C: susceptibility, fibrosis progression and response to treatment
Günal Ö.1, Yalcin A.D.1, Celik B.1, Rustomov A.1, Demir O.1, Ateş Ö.4
1Samsun Education and Training Hospital, Infection Unit, Samsun, Turkey, 2Academia Sinica, Genomics Research Center, Solna, Sweden, 3National Research Medical University, Moscow, Russia, 4University of Helsinki, Public Health, Helsinki, Finland

642 Interleukin-2 polymorphism is associated with patients on multi-drug resistant tuberculosis during the intensive phase of standard chemotherapy
Butov D.1, Kuzhko M.2, Butova T.1, Dudnyk A.4, Piriatinska N.3
1Kharkiv National Medical University, Pathology and Immunology, Kharkiv, Ukraine, 2National Institute on Phthisiatri & Pulmonology Named by F.G. Yanovsky NAMS of Ukraine, Chemoresistant Tuberculosis, Kiev, Ukraine, 3Kharkiv National Medical University, Internal Medicine

643 Wound healing and anti-inflammatory effects of aqueous fullerene C60 dispersion
Shershakova N.1, Bashkatova E.1, Purgina D.1, Makarova E.1, Andreev S.1, Khaitov M.1
1NRC Institute of Immunology FMBA of Russia, Moscow, Russian Federation

644 Identification of differentially expressed proteins in Alzheimer’s disease (AD) through the screening of the prefrontal cortex of AD patient’s protein extracts with protein microarrays
San Segundo-Acosta P.1, Garranzo-Asensio M.1, Montero-Calle A.1, López-Rodríguez J.C.1, Martín Pedraza L.1, Saiz L.2, Rábano A.2, Nilsson P.3, Batanero E.1, Villalba M.1, Barberas R.1
1Universidad Complutense de Madrid, Bioquímica y Biología Molecular I, Madrid, Spain, 2Fundación CIEN, Instituto de Salud Carlos III, Madrid, Spain, 3KTH – Royal Institute of Technology, Affinity Proteomics, Science for Life Laboratory, Stockholm School of Biotechnology, Solna, Sweden

645 Immunity indexes of workers of chemical production with diseases of respiratory organs
Gazaliyeva M.1, Nurpeissov T.2, Shomov G.D.2
1Karaganda State Medical University, Karaganda, Kazakhstan, 2Republican Allegological Center, Almaty, Kazakhstan

646 Herpes virus triggers hypocomplementemic urticarial vasculitis
Lishshuk-Yakymovych K.1, Şasihüseyinoğlu Ş.1, Yilmaz M.1, Kont A.1, Duruer G.1
1Samsun Education and Training Hospital, Infection Unit, Samsun, Turkey, 2Academia Sinica, Genomics Research Center, Solna, Sweden

647 Impact of IL-8 and heat shock protein 60 kDa on fertility of chronic prostatitis patients in Kiev, Ukraine
DranikG.N.1, GornichenkoI.1, PoroshinaT.V.1, DuBuske L.M.2,3
1Bogomolets National Medical University, Kyiv, Ukraine, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

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648 Chemerin, IL-1β, CXCL8 and sCD200 are pro-inflammatory cytokines and their levels increased in obese patients with breast carcinoma
Celik B.1,2, Yalcin A.D.3, Bulut T.1, Genc G.E.4, Kuloğlu S.1,2, Gümüşlu S.1,2
1Department of Pathology, Antalya Training Hospital, Antalya, Turkey, 2Internal Medicine, Allergy and Clinical Immunology, Antalya Training Hospital, Antalya, Turkey, 3Academia Sinica, Genomics Research Center, Taipei, Taiwan, 4Department of Medical Biochemistry, Akdeniz University Medical School, Antalya, Turkey

649 The state of immune system in patients with combined influence of chronic emotional stress and radiological exposure
Zaitseva N.1, Sizyakina L.1
1Rostov State Medical University, Rostov-on-Don, Russian Federation

650 Acute toxicity study of water-soluble fullerene C60
Bashkatova E.1, Shershakova N.1, Purgina D.1, Kamishnikov O.1, Andreev S.1, Khaitov M.1
1National Research Center - Institute of Immunology, Moscow, Russian Federation

651 Expression immune system genes in patients with aortic aneurysm
Titov L.P.1, Krylov V.P.1, Reut L.I.1, Chevohvic N.I.1, DuBuske L.M.2,3
1Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, School of Medicine, Washington, DC, United States

652 Immune response related gene expression in psoriasis patients
Titov L.P.1, Lukiyanov A.1, Belugina I.N.1, Murashko A.S.1, DuBuske L.M.2,3
1Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, School of Medicine, Washington, DC, United States

653 Anti-inflammatory and immunomodulative Impact of azithromycin in patients with coronary disease
Kaidashev I.P.1, Skochko O.V.1, DuBuske L.M.2,3
1Ukrainian Medical Stomatological Academy, Poltava, Ukraine, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

654 Interleukin-10 and transforming growth factor-beta 1 gene polymorphisms in juvenile idiopathic arthritis
Harsini S.1, Ziaee V.2, Maddah M.2, Rezaei A.2, Sadr M.2, Zoghi S.2, Moradinejad M.H.2, Tahghighi F.2, Aghighi Y.2, Rezaei N.1,3,4
1Tehran University of Medical Sciences, Research Center for Immunodeficiencies, Children’s Medical Center Hospital, Tehran, Iran, Islamic Republic of, 2Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of, 3Tehran University of Medical Sciences, Molecular Immunology Research Center, School of Medicine, Tehran, Iran, Islamic Republic of, 4Tehran University of Medical Sciences, Department of Immunology, School of Medicine, Tehran, Iran, Islamic Republic of

655 HLA-A, HLA-B, HLA- DR antigens and inflammatory cytokines in patients having chronic glomerulonephritis (CGN), nephrotic syndrome (NS) and chronic renal failure (CRF)
Drannik G.N.1, Nepomnyaschii V.M.1, DuBuske L.M.2,3
1Bogomolets National Medical University, Kyiv, Ukraine, 2Immunology Research Institute of New England, School of Medicine, Washington, DC, United States

656 Polymorphisms of IL-4 (C-590T) and GJB2 (35delG) genes determine pro- and anti-inflammatory cytokines in different types on deafness in children
Sydorchuk A.1, Sydorchuk L.P.1, Iftoda O.M.1, Sydorchuk I.I.1, Plehutsa O.M.1, Sydorchuk R.I.1
1BSMU, Chernivtsi, Ukraine

657 The role of Phl p 5 specific IgG antibodies for allergen presentation
Sánchez Acosta G.1, Faustmann S.1, Focke-Tejkl M.1, Wortmann J.1, Keller W.1, Bohle B.1
1Center of Pathophysiology, Infectiology and Immunology, Department of Pathophysiology and Allergy Research, Medical University of Vienna, Austria, 2Institute for Molecular Biosciences, Karl Franzens University, Graz, Austria

658 Early life antibiotic exposure is associated with an increased risk of atopic eczema and hay fever
Ahmadizar F.1, Vijverberg S.1,2, Arets H.1, de Boer A.1, Garssen J.1,3, Kraneveld A.K.1, Maitland-van der Zee A.-H.1
1Utrecht University, Utrecht Institute for Pharmaceutical Sciences, Utrecht, The Netherlands, 2UMC Utrecht, Utrecht, The Netherlands, 3Nutricia Research, Utrecht, The Netherlands
661 Generation of allergen-specific T cell stimulator cells to investigate coinhibitory pathways in allergy
Roskopf S. 1, Jutz S. 1, Neunkirchner A. 1, Jahn-Schmid B. 2, Bohle B. 2, Pickl W.F. 1, Steinberger P. 1
1 Medical University of Vienna, Institute of Immunology, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, 2 Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria

662 IgE level in patients with cystic fibrosis
Sciucca S. 1, Balanetchi L. 1, Grigore C. 1, Cotoman A. 2
1 State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova, 2 Medical University of Vienna, Department of Pediatrics, Division of Immunology and Allergic Diseases, Ankara, Turkey

663 Prevalence of skin prick test sensitivity to common aeroallergens in a group of Iranian patients with pterygium
Fereidouni M. 1, Rahimi M. 2, Davari M.H. 3
1 Birjand University of Medical Sciences, Medical School, Immunology Department, Birjand, Iran, Islamic Republic of, 2 Birjand University of Medical Sciences, Medical School, Birjand, Iran, Islamic Republic of, 3 Birjand University of Medical Sciences, Medical School, Department of Ophthalmology, Birjand, Iran, Islamic Republic of

664 Detection of group 1 and group 2 mite allergens 2 in allergoids of Dermatophagoides pteronyssinus and D. farinae with allergen-specific monoclonal antibodies
Reese G. 1, Stock M. 1, Kahlert H. 1, Klysner S. 1
1 Allergopharma GmbH & Co. KG, Reinbek, Germany

665 Ole e 1, the main olive pollen allergen, does not disrupt bronchial epithelial barrier integrity
López-Rodríguez J.C. 1, Solís-Fernández G. 1, Martín-Pedraza L. 1, San Segundo-Acosta P. 1, Bueno-Díaz C. 1, Rodríguez R. 1, Villalba M. 1, Baraderas R. 1, Batanero E. 1
1 Complutense University of Madrid, School of Chemistry, Bioquímica y Biología Molecular I Department, Madrid, Spain

666 Peripheral blood eosinophil counts as a biomarker of allergen sensitization in childhood allergic diseases
Kim J.-T. 1, Koh Y.-Y. 2, Kim H.-S. 3
1 Catholic University of Korea, College of Medicine, Pediatrics, Seoul, Korea, Republic of, 2 Seoul National University College of Medicine, Pediatrics, Seoul, Korea, Republic of, 3 Catholic University of Korea, College of Medicine, Seoul, Korea, Republic of

667 Delayed type hypersensitivity response in patients with type 2 diabetes mellitus
Dermendjiev S. 1, Sokolova R. 2, Murdjeva M. 3, Yankova R. 2, Popova T. 1, Orbecova M. 4, Pavlova M. 4
1 Medical University Plovdiv, Allergology and Occupational Medicine, Plovdiv, Bulgaria, 2 Medical University Plovdiv, Dermatology and Venerology, Plovdiv, Bulgaria, 3 Medical University Plovdiv, Microbiology and Immunology, Plovdiv, Bulgaria, 4 Medical University Plovdiv, Endocrinology, Plovdiv, Bulgaria

668 Effects of bilastine stimulation on the cells of innate and adaptive immunity
Radzikowska U. 1, Singh P. 1, Miklasz P. 1, Grubczak K. 1, Moniuszko M. 2
1 Medical University of Białystok, Regenerative Medicine and Immune Regulation, Białystok, Poland, 2 Medical University of Białystok, Regenerative Medicine and Immune Regulation, Department of Allergology and Internal Medicine, Białystok, Poland

669 Hypereosinophilic syndrome: a case report
Demirel F. 1, Yesillik S. 1, Selcuk A. 1, Gulec M. 1, Baysan A. 2, Kartal O. 1, Yildirim M. 3, Kurt T. 4, Senor O. 1, Musabak U. 1
1 Gulhane Military Medical School, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Ankara, Turkey, 2 Gulhane Military Medical School, Haydarapasa Training Hospital, Department of Internal Medicine, Division of Immunology and Allergic Diseases, Istanbul, Turkey, 3 Gulhane Military Medical School, Department of Internal Medicine, Division of Haematology, Ankara, Turkey, 4 Gulhane Military Medical School, Department of Internal Medicine, Ankara, Turkey

670 Eosinophilic fasciitis presented like generalized urticaria
Hoxha M. 1, Sheri A. 2, Dervishaj M. 3, Lolić G. 4
1 University Hospital Center, Tirana, Albania, 2 UHC Mother Theresa, Service of Allergology and Clinical Immunology, Tirana, Albania, 3 UHC Mother Theresa, Tirana, Albania

671 Ni(II) assisted hydrolysis of filaggrin protein
Podobas E. 1, 2, Gutowska-Owsiak D. 3, Bonna A. 1, 2, Ogg G.S. 3, Bai W. 1
1 Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Department of Biophysics, Warsaw, Poland, 2 MRC, Human Immunology Unit, University of Oxford, Radcliffe Department of Medicine, Oxford, United Kingdom, 3 University of Cambridge, Department of Biochemistry, Cambridge, United Kingdom

672 Hemolytic properties of saline-buffer solution of fullerec C60
Purgina D. 1, Shershakova N. 1, Bashkatova E. 1, Makarova E. 1, Andreev S. 1, Khaitov M. 1
1 NRC Institute of Immunology FMBA of Russia, Moscow, Russian Federation
Chair: Stefan Vieths, Germany

673 Ultra–short-term revaccination using tyrosine-absorbed specific allergens enhanced with monophosphoryl lipid A (MPL) as a highly effective option for treating recurrent grass pollen-induced allergic rhinitis
Lang S.1, Pieper-Fürst U.1, Reydelet Y.1, Astvatsatourov A.1, Shah-Hosseini K.1, Mösges R.1, Kramer M.F.2, Klimek L.3, Pfaar O.3
1University of Cologne, Faculty of Medicine, Institute of Medical Statistics, Informatics and Epidemiology - IMSIE, Köln, Germany, 2Bencard Allergie GmbH, München, Germany, 3Center for Rhinology and Allergology, Wiesbaden, Germany

674 Immunotherapy with T cell epitopes of Per a 1O allergen in mouse model modulates the Th2 response and suppresses airway inflammation
Govindaraj D.1, Sharma S.1, Arora B.1, Arora N.1
1CSIR-Institute of Genomics & Integrative Biology (IGIB), Lab #509, Allergy & Immunology section, Delhi, India

675 Allergenic evaluation of a Blomia tropicalis and Dermaphagoides pteronyssinus hybrid protein in a murine model of asthma
Martínez D.1, Benedetti I.2, Muleth B.1, Caraballo L.1,3, Puerta L.1,4
1Institute for Immunological Research, University of Cartagena, Cartagena, Colombia, 2School of Medicine, University of Cartagena, Cartagena, Colombia,
3Foundation for the Development of Medical and Biological Science, Cartagena, Colombia, 4Foundation for the Development of Medical and Biological Science, Cartagena, Colombia

676 Cost-effectiveness of SO8 HDM SLIT-tablets in addition to pharmacotherapy compared to pharmacotherapy only in allergic asthma
Worm M.1, Green W.1, Hahn-Pedersen J.3, Nargaard Andreasen J.3, Taylor M.3
1Clinic for Dermatology, Venereology and Allergology, Berlin, Germany, 2York Health Economics Consortium Ltd, York, United Kingdom, 3ALK, Harsholm, Denmark

677 Evaluating the capability of physicochemical assays to monitor the modification of mites extract
Acharya S.1, Peekel I.1, Sinnige N.1, Busch M.1, van den Hout R.1, Luykx D.1
1HAL Allergy BV, Leiden, The Netherlands

678 Biochemical and physicochemical characterisation of three different grasses extracts
Peekel I.1, Vigil M.1, Schepens E.1, Acharya S.1, Luykx D.1
1HAL Allergy BV, Leiden, The Netherlands

679 Effectiveness and tolerability of sublingual allergen Immunotherapy (AIT) with or without titration in routine medical practice in tree pollen allergic patients
Singh J.1, Nohl A.1, Shah-Hosseini K.1, Pieper-fuerst U.1, Compalati E.2, Mösges R.1
1University of Cologne, Faculty of Medicine, Institute of Medical Statistics, Informatics and Epidemiology (IMSIE), Cologne, Germany, 2Allergy and Respiratory Diseases Clinic, DIMI, University of Genoa, Genoa, Italy

680 Microcrystalline tyrosine as an adjuvant in allergen immunotherapy: a mouse study
Leuthard D.1, Weiss S.1, Freiberger S.N.1, Duda A.1, Heath M.D.2, Skinner M.A.2, Kramer M.F.3, Kundig T.M.1, Johansen P.1
1UniversitätsSpital Zürich, Zürich, Switzerland, 2Allergy Therapeutics plc., Worthing, United Kingdom, 3Bencard Allergie GmbH, Munich, Germany

681 Preseasonal treatment with allergenic extracts of grasses and Olea europaea pollens administered sublingually
Delgado J.1, Lopez C.1, de Luque V.1, Bellido V.1, Guardia P.1, Cruz M.-J.2
1Hospital Virgen Macarena, Allergy, Sevilla, Spain, 2HAL Allergy BV, Barcelona, Spain

682 Characterization of peanut proteins on a patch for epicutaneous immunotherapy (EPIT)
Pascal I.1, Ehouam P.1, Zebina M.1, Roucair C.1, Villet B.1, Koppelman S.1,3, Dupont B.1, Martin L.1
1DBV Technologies, Montrouge, France, 2University of Nebraska, Food Science and Technology, Lincoln, NE, United States

683 Assessment of IgE and IgG antibody responses to allergens after two years sublingual immunotherapy for respiratory allergy
Maslova L.1, Titov L.P.1, DuBuske L.M.2,3
1Russian Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

684 Safety profiles of ragweed and grass sublingual immunotherapy tablets taken alone or together
Kleine-Tebbe J.1, Berman G.2, Gagnon R.3, Bernstein D.I.4, Nelson H.S.5, Kaur A.6, Li O.6, Nolte H.6
1Allergy & Asthma Center Westend, Berlin, Germany, 2Minneapolis Allergy & Asthma Specialists, Minneapolis, United States, 3National Jewish Health, Denver, United States, 4Merck & Co., Inc., Kenilworth, United States

685 Factors related to adverse reactions in SCIT cluster initiation schedules
Antolín-Amérito D.1, Rodríguez-Rodríguez M.1, Barbarroja-Escudero J.1, Sánchez-González M.J.1, Pérez-Labour R.A.2, Belinchón-Moreno T.1, Alvarez-Mon M.1
1Hospital Universitario Príncipe de Asturias, Departamento de Medicina y Especialidades Médicas, Universidad de Alcalá, Servicio de Enfermedades del Sistema Inmune-Alergia, Alcalá de Henares, Madrid, Spain, 2Hospital Universitario Príncipe de Asturias, Servicio de Neumología, Alcalá de Henares, Madrid, Spain
686 Safety study on allergen immunotherapy using accelerated schedules

González Caverón L.1, Tomás M.1, Entrala A.1, López A.1, Sanchez M.2, Quirce S.1

1Hospital La Paz Institute for Health Research (IdiPAZ), Allergy Department, Madrid, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Madrid, Spain

A case of full achievement of the treatment goals for respiratory allergy by allergen immunotherapy

Incorvaia C.1, Mauro M.2, Boni E.2

1Allergy/Pulmonary Rehabilitation Unit, ICP Hospital, Milan, Italy, 2Sant’Anna Hospital, Allergy Unit, Como, Italy

Comparative assessment of the effectiveness of the allergen-specific immunotherapy types with polinosis

Saltabayeva U.1, Garib V.2, Moreno M.3, Rozenzon R.3

1Astan Medical University, Pediatrics, Astana, Kazakhstan, 2International Network University for Molecular Allergology & Immunology, Vienna, Austria, 3Astan Medical University, Astana, Kazakhstan

Filtration of mould, grass, and mite extracts – pharmaceutical depth filters for the clarification of source material suspensions

van Noort P.1, Mannesse M.1, Cluitmans P.2, Ves W.1

1HAL Allergy BV, Development, Leiden, The Netherlands, 2HAL Allergy BV, Operations, Leiden, The Netherlands

687 Intracutaneous reactivity studies in vivo in rabbits with different mannan-conjugated polymerized extracts of Phleum pratense and Dermatophagoides pteronyssinus

Tejera-Alhambra M.1, Guzmán-Fulguencio M.2, Fernández-Caldas E.2, Caballero R.2, Subiza J.L.2, Casanovas M.2

1Inmunotek S.L., Alcalá de Henares, Spain, 2Inmunotek S.L., Alcalá de Henares, Spain

688 A case of full achievement of the treatment goals for respiratory allergy by allergen immunotherapy

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1HAL Allergy BV, Development, Leiden, The Netherlands, 2HAL Allergy BV, Operations, Leiden, The Netherlands

691 Physician satisfaction in sublingual allergy immunotherapy and Quartis questionnaire in RAS 3D study pediatric population

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neumología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

692 Physician satisfaction in sublingual allergy immunotherapy and Quartis questionnaire in RAS 3D study

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neumología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

693 Compliance to allergen immunotherapy: experience from 11 years data

Gümüşburun R.1, Öner Erkekol F.2, Mungan D.1, Sin B.A.1, Misirligü Z.1

1Ankara University, School of Medicine, Department of Pulmonary Diseases, Division of Allergy and Immunology, Ankara, Turkey, 2Atatürk Chest Diseases and Thoracic Surgery Education and Research Hospital, Allergy and Immunology Clinic, Ankara, Turkey

Safety profile of a pediatric population treated by sublingual immunotherapy using a new pump: results of retrospective, cross-sectional, multicenter, national study, the RAS 3D study

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neumología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain

Safety of sublingual immunotherapy, administered with a new dosing pump: results of retrospective, cross-sectional, multicenter, national study, the RAS 3D study

Roger Reig A.1, Gutiérrez Fernández D.2, Orta Cuevas J.C.3, Sánchez López G.4, Corzo Higuera J.L.5, Azpeitia Anadon A.6

1Servicio de Alergia, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, 2Servicio Neumología-Alergia, Hospital Puerta del Mar, Cádiz, Spain, 3UGC Intercentros Alergología Sevilla, Hospital el Tomillar, Sevilla, Spain, 4Hospital Vithas Nuestra Señora de la Salud, Granada, Spain, 5Unidad de Alergología Infantil, Hospital Materno-Infantil, Málaga, Spain, 6Stallergenes Ibérica, S.A., Barcelona, Spain
**Poster Session (TPS 8) – Allergen immunotherapy: New approaches and clinical cases**

**Poster Exhibition**

**Posters: 12 June 2016, 12:00 – 13:30**

**Poster Session (TPS 8) – Allergen immunotherapy: New approaches and clinical cases**

**Chairs:** Eva-Maria Varga, Austria  
Thomas Kündig, Switzerland

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**696 Collaborative treatment with variety of dust mites allergic in standardized dermatophagoides pteronyssinus allergen immunotherapy**  
Zheng P.1, Sun B.1  
1First Affiliated Hospital of Guangzhou Medical University and State Key Laboratory of Respiratory Diseases, Department of Allergy and Clinical Immunology Guangzhou Institute of Respiratory Disease, Guangzhou, China

**697 Life quality, adherence and trends in allergen immunotherapy in real life: ÍCARA study, a descriptive interim analysis at basal visit**  
Cuesta J.1, Laguna J.J.2, Callejo A.M.3, Pérez I.4, Rodríguez M.5, González N.6  
1Hospital Universitario Fundación Jiménez Díaz, Allergy Department, Madrid, Spain, 2Hospital Central de la Cruz Roja San José y Santa Adela, Allergy Department, Madrid, Spain, 3Hospital Virgen de la Concha, Allergy Department, Zamora, Spain, 4Hospital Río Carrión, Palencia, Spain

**698 Clinical evolution of patients treated with a preseasonal sublingual immunotherapy with a native extract of grass pollen**  
Gómez M.J.1, Cabrerizo S.2  
1Laboratorios Leti SLU, Madrid, Spain, 2Hospital Río Carrión, Palencia, Spain

**699 Safety of subcutaneous immunotherapy with inhalant allergens: a single-center 30-year experience from Turkey**  
Kartal O.1, Güleç M.1, Caliskaner Z.2, Musabak U.1, Sener O.1  
1GATA School of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Ankara, Turkey, 2 Necmettin Erbakan University, Meram Faculty of Medicine, Department of Internal Medicine, Konya, Turkey

**700 Descriptive study of a population with two subcutaneous immunotherapy simultaneously**  
Barasona Villarreal M.J.1, García Nuñez I.1, Moreno Aguilar C.1  
1Hospital Reina Sofia, Allergology, Córdoba, Spain, 2Clínica Quirón, Allergology, Málaga, Spain

**701 Cytokine profile in cases of complex allergen-specific immunotherapy effectiveness evaluation among severe patients, suffering from bronchial asthma**  
Talaurshchikova N.1  
1Peoples’ Friendship University of Russia, Moscow, Russian Federation

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**702 Factors influencing the efficacy of sublingual immunotherapy in patients with allergic rhinitis and asthma**  
Popescu A.1, Grebescu R.2  
1Life-Med Clinic, Bucharest, Romania, 2Medas Clinic, Bucharest, Romania

**703 Gaziantep university clinic of pediatric allergy specific immunotherapy in patients with multiple allergen frequency and multiple allergen immunotherapy**  
Bilgic Eltan S.1, Keskin O.1, Kucukosmanoglu E.1, Karakus H.1, Sonmez S.1  
1Gaziantep University Faculty of Medicine, Pediatric Allergy Immunology, Gaziantep, Turkey

**704 High success of 235 subcutaneous immunotherapy for pollens in a polyallergic cohort of patients: a component resolved individually adapted treatment**  
Gay-Crosier F.1  
1Private Practice, Carouge, Switzerland

**705 Chronic inflammatory lung disease (CILD) treatment with azithromycin**  
Kamenov A.1, Kamenov B.3, Kamenov A.2, Vidanovic I.1, Totic M.4, Kamenov S.5, Mitrovic J.2  
1Medical Faculty, University of Nis, Nis, Serbia, 2Faculty of Medicine, University of Nis, Nis, Serbia, 3Clinical Center Nis, Nis, Serbia, 4Clinical Center Nis, Pediatrics, Nis, Serbia, 5Health Center Nis, Pediatrics, Nis, Serbia

**706 Prospective and comparative clinical study of blood risk factors in patients with allergic asthma on immunotherapy**  
Ahmetal L.N.1, Mehic B.2, Gojak R.3  
1University Clinical Center of Kosova, Medical Faculty, Department of Allergology-Immunology, Pristhina, Albania, 2University Clinical Center of Sarajevo, Sarajevo, Bosnia and Herzegovina, 3University Clinical Center of Sarajevo, Clinic for Infectious Diseases, Sarajevo, Bosnia and Herzegovina

**707 Dynamics of immunological parameters of patients with Crohn’s disease during biological therapy**  
Tekeeva B.1, Sizyakina L.1  
1Rostov State Medical University, Rostov-on-Don, Russian Federation

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**708 Efficacy and safety of 2-year subcutaneous immunotherapy with house dust mite extract for allergic rhinitis and asthma**  
Tu Y.1, Shi L.1, Zhi L.1, Zhao L.1, Jin P.1, Zi X.1, Li A.1, Jin Y.1  
1Second Hospital of Shandong University, Otolaryngology, Jinan, China, 2Central Hospital of Zibo, Department of Otolaryngology, Zibo, China

**709 Use of 300IR house dust mite sublingual immunotherapy in pediatric respiratory allergy: a critical appraisal of published data**  
Wahn U.1, Passalacqua G.1, Sastre J.3, Demoly P.2,5  
1Charité Virchow-Klinikum, Humboldt University, Department of Pediatric Pulmonology and Immunology, Berlin, Germany, 2IRCCS San Martino-IST, University of...
Comparison of effect of specific immunotherapy for trees allergy with birch alone or group allergen for trees in commercial preparation
1General Hospital Tešanj, Tešanj, Bosnia and Herzegovina, 2General Hospital Tešanj, Internal Medicine, Tešanj, Bosnia and Herzegovina, 3Health Center Tuzla, Tuzla, Bosnia and Herzegovina, 4Faculty of Pharmacy Sarajevo, Biochemistry, Sarajevo, Bosnia and Herzegovina, 5University Pittsburgh, Pittsburgh, PA, United States, 6Hospital Clínico San Carlos, Internal Medicine, Zenica, Bosnia and Herzegovina
6Department of Gastroenterohepatology UKC Sarajevo, Sarajevo, Bosnia and Herzegovina

Approach to diagnosis and treatment of allergy to Alternaria alternata in patients with perennial allergic rhinitis
Nazarenko G.1, Nazarenko O.1, Pineda F.2
1Clinic of Immunology and Allergology ‘Forpost’, Kyiv, Ukraine, 2Diater Laboratories, Madrid, Spain

Physicochemical and immunologic characterisation of grass allergoids: detection of allergen composition and identification of new epitopes
Starchenka S.1, Heath M.D.1, Mwange J.1, Swan N.1, Hewings S.1, Skinner M.A.1
1Allergy Therapeutics plc., Worthing, United Kingdom

Investigating the fate of sublingually administered antigens: a major role for lingual tonsil
Frati F.1, Incorvaia C.2, Buttavas S.1, Masieri S.3
1Stallergenes Greer Italy, Medical and Scientific, Milan, Italy, 2ICP Hospital, Allergy/Pulmonary Rehabilitation Unit, Milan, Italy, 3Sapienza University, Department of Otorhinolaryngology, Rome, Italy

Cluster versus conventional allergy specific subcutaneous immunotherapy. Is it safe in clinical practice?
Sandilos C.1, Kontogiorgaki I.1, Chytiroglou E.1, Aggelides X.1, Makris M.1
1Attikon University Hospital, Aigaleo, Greece

A three-year analysis of the clinical and economic effectiveness of vaccinal prevention of patients with COPD and CHD
Ignatova G.1, Antonov V.1, Rodionova O.1
1South Ural State Medical University, Chelyabinsk, Russian Federation

Sensitization to the enterotoxins of Staphylococcus aureus: clinical displays and treatment
Pshenychnaya I.1, Nazarenko A.2, Lykova M.1, Alcover J.3
1Clinic Immunology and Allergology ‘Forpost’, Kyiv, Ukraine, 2Clinic of Immunology and Allergology ‘Forpost’, Kyiv, Ukraine, 3DIATER Laboratories, Madrid, Spain
724 Role of immunotherapy in children with asthma and allergic rhinitis

Filipovic I.1, Caminati M.2, Filipovic D.3, Zivkovic Z.4
1Faculty of Medical Sciences, Immunology, Kragujevac, Serbia, 2Verona University Hospital Borgo Trento, Allergy unit, Verona, Italy, 3Institution for Emergency Medical Care, Belgrade, Serbia, 4Children’s Hospital for Lung Diseases and Tuberculosis - Medical Center ‘Dr Dragisa Misovic’, Belgrade, Serbia

725 Efficacy and safety of 300IR and 500IR doses of house dust mite sublingual immunotherapy tablet in subjects with house dust mite-associated allergic rhinitis in two phase II/III studies

Bergmann K.-C.1, Okamoto Y.2, Ambroise L.3, de Beaumont O.3, Kakudo S.4
1Allergy-Centre-Charité, Berlin, Germany, 2Chiba University, Chiba, Japan, 3Stallergenes, Antony, France, 4Shionogi & Co., Ltd., Osaka, Japan

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726 Hypersensitivity to ferric carboxymaltose: a case report

Mederos Luis E.1, Mayol A.2, Bastidas J.A.2, Mielgo R.2, Vives R.2, Barranco R.2
1Hospital Universitario 12 de Octubre, Allergy Service, Madrid, Spain, 2Hospital Universitario 12 de Octubre, Madrid, Spain

727 Benznidazole allergy

Flores Martin L.1,2, Andreu Balaquer C.2
1Hospital Veiga Baja, Allergy, Murcia, Spain, 2Hospital Veiga Baja de Orihuela, Orihuela, Spain

728 Angioedema reactions induced by natural anti-inflammatory Pills: a case report

Teran Zea C.1, Reyes K.1, Huayamave A.1, Cherrez A.2, Cherrez Ojeda I.1,3
1Universidad Espiritu Santo, Samborondón, Ecuador, 2Heidelberg University, Heidelberg, Germany, 3RespiraLab, Guayaquil, Ecuador

729 Serial cases study of drug-induced allergy in male Caucasian patients with acute respiratory infectious diseases

Sydorchuk A.1, Moskaliuk V.1, Sydorchuk L.2, Shulgina V.2, Bogachyk N.1, Sydorchuk O.4, Olynuk V.3, Sydorchuk I.6, Balaniuk I.7
1Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Infectious Diseases and Epidemiology, Chernivtsi, Ukraine, 2Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Microbiology and Virology, Chernivtsi, Ukraine, 3Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Microbiology and Virology, Chernivtsi, Ukraine, 4National medical university named after O.Bogomolets, Kyiv, Ukraine, 5Medical University of Sofia, Sofia, Bulgaria, 6Medical University named after O.Bogomolets, Kyiv, Ukraine, 7Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Microbiology and Virology, Chernivtsi, Ukraine, 8Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Microbiology and Virology, Chernivtsi, Ukraine, 9Higher Educational Institution of Ukraine ‘Bukovinian State Medical University’, Infectious diseases and epidemiology, Chernivtsi, Ukraine

730 NSAIDS Intolerance: case in point

Candon Morillo R.1, Burgos Montero A.M.1, Moreno Mata E.1, Ruiz Leon B.1, García Rodríguez C.1, González Sanchez L.A.1
1Hospital General la Mancha Centro, Alcazar de San Juan, Spain

731 Heparin hypersensitivity – a case report

Pita J.1, Gomes R.1, Loureiro C.1, Todo-Bom A.1
1Centro Hospitalar e Universitário de Coimbra, Allergy and Clinical Immunology, Coimbra, Portugal

732 Immediate reaction to Ciprofloxacin

Porr C.1, Porr P.J.2
1County Clinical Hospital, Sibiu, Romania, 2Univ. Lucian Blaga, Internal Medicine, Sibiu, Romania

733 Adverse reaction to drug excipient: croscarmellose

Cortellin G.1, Ballarini G.1, Lippolis D.1, Santucci A.1
1Rimini Hospital, Internal Medicine, Rimini, Italy

734 Severe cutaneous adverse reaction related to rituximab

Bazire R.1,2, Belver M.T.1,2, Vega F.1,2, Mugica V.1,2, González M.2, Blanco C.1,2
1Hospital Universitario de la Princesa, Allergy, Madrid, Spain, 2Instituto de Investigación Sanitaria Princesa, Madrid, Spain, 3Hospital Universitario La Paz, IdiPAZ, Immunology, Madrid, Spain

735 Allergic reaction to terbinafine: a case report

Mara A.1, Bahneoane I.1, Achim F.1
1Astra Clinic, Sibiu, Romania

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Belcheva D.1,2, Petkova E.1, Valerieve A.1,2, Nedeva D.1,2, Staevska M.1, Dimitrov V.1,2, Popov T.1
1Medical University of Sofia, Sofia, Bulgaria

737 Acenocumarol allergy

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1Hospital Universitario La Paz, Allergy, Madrid, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Allergy, Madrid, Spain

738 A case report of perioperative hypersensitivity to non-steroidal anti-inflammatory drug

Almeida J.P.1, Lopes A.1, Caiado J.1, Pedro E.1, Barbosa M.1,2
1Santa Maria Hospital – CHLN, Department of Immuonallergology, Lisbon, Portugal

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Carneiro-Leão L.1, Nuaa J.1, Almeida F.2, Ruas R.2, Sarmento A.3, Cernadas J.1
1Centro Hospitalar de São João, Serviço de Imunoallergologia, Porto, Portugal, 2Centro Hospitalar de São João, Serviço de Doenças Infeciosas, Porto, Portugal

740 Hypersensitivity to multiple antihistamines: a case report

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1Hospital Universitari Germans Trias i Pujol, Allergy Unit, Badalona, Spain
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1Astra Clinic, Sibiu, Romania

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1Hospital Universitario de la Princesa, Instituto de Investigación Sanitario La Princesa, Allergy, Madrid, Spain, 2Hospital Universitario de la Princesa, Instituto de Investigación Sanitario La Princesa, Immunology, Madrid, Spain, 3Hospital Universitario La Paz, IdiPAZ, Immunology, Madrid, Spain

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1Foundation IRCCS Policlinico San Matteo, Pavia, Italy, 2CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France, 3Sorbonne Universités, UPMC Paris 06, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France

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1Hospital General Universitario Gregorio Marañón, Drug Unit, Allergy Department, Madrid, Spain

745 The role of cytokines in successful desensitization
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1Istanbul University Istanbul Faculty of Medicine, Immunology and Allergy Disease Division of Internal Medicine, Istanbul, Turkey, 2Istanbul University, Institute of Oncology, Istanbul, Turkey, 3Istanbul University, Institute of Experimental Medicine, Istanbul, Turkey

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746 Rifampicin induced anaphylaxis and acute respiratory distress syndrome: a case report
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1Max Superspeciality Hospital, Respiratory Medicine, New Delhi, India

747 IgE-mediated anaphylaxis induced by macrogol 6000 after ingestion of a potassium supplement tablet
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1Hospital Universitario La Paz, Allergy, Madrid, Spain, 2Hospital La Paz Institute for Health Research (IdiPAZ), Madrid, Spain

748 A case of Kounis syndrome after amoxicillin administration
Verdeguer O.1,2, Jiménez M.R.2, Ortega S.1, Colamarco G.1, Milà J.1,2, Pons J.1
1Hospital Clinic Universitari de Valencia, Servicio de Alergia, Valencia, Spain, 2Hospital Universitari Son Espases, Servicio de Inmunología, Palma de Mallorca, Spain

749 Anaphylactic shock to trimoxazole
Vázquez-Revuelta P.1, Berges Gimeno P.1, Bernal Rubio L.1, Carpio Escalona L.1, Alvarez-Cuesta E.1
1Hospital Ramon y Cajal, Allergy, Madrid, Spain

750 Anaphylaxis to vancomycin: a case report
Sedlackova L.1, Hala P.1, Rubackova Popelova J.2
1Hospital Na Homolce, Allergy and Clinical Immunology Center, Prague 5, Czech Republic, 2Hospital Na Homolce, Cardiocenter, Prague 5, Czech Republic

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751 Anaphylaxis due to fluvastatin
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1SESCAM, Emergency Service, Toledo, Spain, 2Virgen de la Luz Hospital, Allergy, Cuenca, Spain, 3Infanta Elena Hospital, Allergy, Valdemoro, Spain

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1Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Luxembourg, Luxembourg, 2Luxembourg Institute of Health (LIH), Department of Infection and Immunity, Luxembourg, Luxembourg, 3Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Pharmacie, Luxembourg, Luxembourg, 4Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Néerlandais, Luxembourg, Luxembourg, 5Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Biologie Clinique, Arlon, Belgium, 6Centre Hospitalier de Luxembourg, National Unit of Immunology and Allergology, Luxembourg, Luxembourg

753 Palonosetron-induced anaphylaxis during general anesthesia
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1Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of
754 Perioperative reaction in 5-year-old boy: anaphylaxis to sevoflurane or flare of infectious exanthema? A case report
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1Hospital Na Homolce, Allergy and Clinical Immunology Center, Prague C, Czech Republic, 2Hospital Pisek, Department of Anaesthesiology and Resuscitation, Pisek, Czech Republic

755 Anaphylactic shock due to triamcinolone
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1Virgen de la Luz Hospital, Allergy, Cuenca, Spain, 2Sescam, Emergency Service, Toledo, Spain, 3Infanta Elena Hospital, Allergy, Valdemoro, Spain

756 A case of rituximab induced anaphylaxis
Choi G.-S.1, Kim T.-Y.1, Kim H.-K.1, Lee H.S.1, Kwon J.H.2
1Kosin University College of Medicine, Busan, Korea, Republic of, 2Kosin University College of Medicine, Otorhinolaryngology, Busan, Korea, Republic of

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1Dr Jan Buziel University Hospital No 2, Neurology and Stroke Treatment, Bydgoszcz, Poland, 2Collegeum Medicum, Nicolaus Copernicus University, Allergology, Clinical Immunology and Internal Diseases, Bydgoszcz, Poland

758 Patent Blue V as a risk of perioperative anaphylaxis
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1Technical University of Munich, Dept. of Dermatology and Allergy, Biederstein, Munich, Germany

759 Two cases of anaphylactic reaction with rocuronium
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1Hospital Universitario Virgen Macarena, Allergy, Seville, Spain, 2Instituto de Estudios de Mastocitosis de Castilla La Mancha, Alcázar de San Juan, Spain

760 A Case report: paroxysmal atrial fibrillation associated to anaphylaxis
Puente Y.1, Daza J.C.1, Monteseirin F.J.2
1Hospital Universitario Virgen Macarena, Allergy, Seville, Spain, 2Univervrsidad de Sevilla, Departamento de Medicina, Sevilla, Spain

761 Anaphylactic shock to Amitriptylin
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1County Clinical Hospital, Allergology, Sibiu, Romania, 2Univ. Lucian Blaga, Internal Medicine, Sibiu, Romania

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1IBIMA - Regional University Hospital of Malaga - University of Malaga, Research Laboratory, Málaga, Spain, 2IBIMA - Regional University Hospital of Malaga - University of Malaga, Allergy Unit, Málaga, Spain, 3BIONAND — Andalusian Centre for Nanomedicine and Biotechnology, Málaga, Spain, 4IBIMA - Regional University Hospital of Malaga - University of Malaga, Department of Organic Chemistry, Faculty of Sciences, Málaga, Spain

763 Paraplegia after intraoperative anaphylaxis due to beta-lactams
Puente Y.1, Daza J.C.1, Monteseirin F.2
1Hospital Universitario Virgen Macarena, Allergy, Seville, Spain, 2Univesrdsidad de Sevilla, Departamento de Medicina, Sevilla, Spain

764 Intraoperative anaphylaxis due to ranitidine during caesarian section
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1Hospital la Mancha Centro, Allergy, Alcázar de San Juan, Spain

765 Perioperative anaphylaxis presenting with refractory hypotension with successful response to methylene blue
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1Hospital Universitario de Guadalajara, GAI Guadalajara, Allergology, Guadalajara, Spain, 2Instituto de Estudios de Mastocitosis de Castilla La Mancha, Hospital Virgen del Valle, Toledo, Spain, 3Hospital Universitario de Guadalajara, GAI Guadalajara, Pharmacy, Guadalajara, Spain, 4Hospital Universitario de Guadalajara, GAI Guadalajara, Anaesthesiology, Guadalajara, Spain

766 Asthma exacerbation and influenza infection in school children
Vidanovic I.1, Tomic M.1, Kamenov A.1, Kamenov S.2, Kamenov B.3
1Clinical Center Nis, Nis, Serbia, 2Health Center Nis, department of pulmology, Nis, Serbia, 3Medical Faculty, University of Nis, Nis, Serbia

767 Review of the etiologies of patients presenting with chronic cough and evaluation of fractioned nitric oxide in patient groups
Iode M.1, Yldiz Y.2
1Samsun Education and Research Hospital, Department of Pediatrics, Division of Allergy and Immunology, Samsun, Turkey, 2Samsun Education and Research Hospital, Department of Pediatrics, Samsun, Turkey

Do we know what is the preference of social media that asthmatic patients would like to use?
Plaza K.J.1,2, Calderon J.C.1, Cano J.A.1,2, Chevez Oidea J.1,2
1RespiraLab, Guayaquil, Ecuador, 2Universidad Espíritu Santo, Samborondón, Ecuador
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Aksu K.1, Demirci Şahin A.2, Aksu F.2, Şengöz T.2
1Ankara Numune Research and Training Hospital, Immunology and Allergy, Ankara, Turkey, 2Ankara Numune Research and Training Hospital, Family Medicine Clinic, Ankara, Turkey, 3Hacettepe University Faculty of Medicine, Chest Diseases, Ankara, Turkey

770 Perceptions of daily life amongst adolescents with asthma: the struggle with ambivalence
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1Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden, 2Centre of Occupational and Environmental Medicine, Stockholm County Council, Stockholm, Sweden, 3The Swedish Red Cross University College, Department of Technology and Welfare, Stockholm, Sweden, 4Karolinska Institutet, Centre for Allergy Research, Stockholm, Sweden, 5The Swedish Red Cross University College, Department of Public Health and Medicine, Stockholm, Sweden, 6Karolinska Institutet, Department of Learning, Informatics, Management and Ethics, Medical Management Centre, Stockholm, Sweden, 7Sachs’ Children’s Hospital, Södersjukhuset, Stockholm, Sweden, 8Karolinska Institutet, Department of Clinical Science and Education, Stockholm South General Hospital, Stockholm, Sweden

771 A Mediterranean compared with ‘burger and fries’ meal improves autonomic nervous function
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1Faculty of Nutrition and Food Sciences of the University of Porto, Porto, Portugal, 2Faculty of Medicine, University of Porto, Immunology Department, Porto, Portugal, 3Centro Hospitalar de S. João (CHSJ), Serviço de Imunologia e Hematologia (SIA), Porto, Portugal, 4Public Health Institute, University of Porto, Porto, Portugal, 5Respiratory Epidemiology, Occupational Medicine, and Public Health Group, National Heart and Lung Institute, Imperial College of London, London, United Kingdom

Asthma in children: education of parents as the most important thing in regulation of asthma prevention and treatment
Tosic M.1, Kamenov A.2, Vidanović I.2, Kamenov S.1, Kamenov B.3
1Health Center Nis, Pediatrics, Nis, Serbia, 2Health Center Nis, Nis, Serbia, 3Faculty of Medicine, University of Nis, Nis, Serbia

Knowledge of asthma: educational intervention in primary care physicians
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1Hospital Infantil de Mexico Federico Gomez, Allergy and Clinical Immunology, Distrito Federal, Mexico

Exercise-induced asthma – what do teachers know
Bordalo D.1, Lopes T.1, Lopes S.1, Melo C.1, Tomê S.1, Fonseca P.1, Carvalho F.1
1Centro Hospitalar do Médio Ave, Vila Nova de Famalicão, Portugal

Educational intervention and evaluation of parental knowledge of asthma
Pozo Beltran C.F.1, Navarrete Rodriguez E.M.1, Alcocer Luna C.R.1, Sienna Monje J.J.1, Del Rio Navarro B.E.1
1Hospital Infantil de Mexico Federico Gomez, Allergy and Clinical Immunology, Distrito Federal, Mexico

Exhaled NO is not a useful tool to identify childhood asthma in epidemiological studies
Martins C.1, Silva D.1, Pinto M.2, Rufo J.2,3, Paciência I.2,3, Severo M.4, Moreira P.4, Padrão P.4, Delgado L.4, Madureira J.4, Oliveira Fernandes E.5, Moreira A.1,4
1Centro Hospitalar São João and Faculty of Medicine, University of Porto, Porto, Portugal, 2Faculty of Medicine, University of Porto and Institute of Mechanical Engineering and Industrial Management, Porto, Portugal, 3Institute of Science and Innovation in Mechanical Engineering and Industrial Management, Porto, Portugal, 4Public Health Institute, University of Porto, Porto, Portugal, 5Faculty of Nutrition and Food Sciences, Porto, Portugal, 6Faculty of Nutrition and Food Sciences, University of Porto, Porto, Portugal
### Poster Session (TPS 13) – Clinical and epidemiological aspects of pediatric asthma

**Chair:** Stephen A. Tilles, United States

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<td>Exhaled nitric oxide (FeNO) measurements in hospital care givers versus asthmatics</td>
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<td>¹Kirikkale University Faculty of Medicine, Division of Immunology and Allergy, Kirikkale, Turkey, ²Kirikkale University Faculty of Medicine, Department of Pulmonary Diseases, Kirikkale, Turkey</td>
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<td>¹Hospital Armand Trousseau, Allergology, Paris, France, ²Université de Toulouse III Paul Sabatier, Laboratoire de Mathématiques, Toulouse, France, ³Hospital Armand Trousseau, Laboratoire de Biochimie, Paris, France</td>
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<td>¹Ivano-Frankivsk National Medical University, Department of Internal Medicine No.1, Clinical Immunology and Allergology, Ivano-Frankivsk, Ukraine</td>
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**Poster Exhibition**

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<td>¹Center for Allergy &amp; Immunology Research, Tbilisi, Georgia</td>
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<td>Association of allergic rhinitis with asthma, atopic dermatitis and allergic sensitization in school children</td>
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<td>¹Health Center Nis, Pediatrics, Nis, Serbia, ²Health Center Nis, Nis, Serbia, ³Medical Faculty, University of Nis, Nis, Serbia</td>
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<td>¹Jagiellonian University Medical College, Department of Pediatrics, Krakow, Poland, ²Center for Lung Diseases Treatment and Rehabilitation, Department of Respiratory Tract Diseases for Children, Lodz, Poland, ³Medical University of Lodz, Department of Pediatrics and Allergy, Lodz, Poland, ⁴Regional Center of Allergology, Pulmonology and Cystic Fibrosis, Gdansk, Poland, ⁵Warsaw Medical University, Department of Pediatric Pulmonology and Allergy, Warsaw, Poland, ⁶Medical University of Lodz, Department of Pediatric Allergology, Gastroenterology, and Nutrition, Lodz, Poland, ⁷Allergy Out-Patient Clinic for Children, Olszuch, Poland</td>
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**Predictors and reproducibility of exercise-induced bronchoconstriction after a treadmill run in a cold chamber**

Dreßler M.¹, Friedrich T.¹, Lazovski N.¹, Herrmann E.², Zielen S.², Schulze J.¹

¹Universitätsklinikum Frankfurt, Department of Pediatric Allergy, Pulmonology, and Cystic Fibrosis, Frankfurt am Main, Germany, ²Universitätsklinikum Frankfurt, Institute of Biostatistics and Mathematical Modelling, Frankfurt am Main, Germany

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**Diagnostic value of determination of C-reactive protein in sputum as a marker of local inflammation**

Popadynets I.¹, Yatsyshyn R.¹, Gerych P.¹

¹Ivano-Frankivsk National Medical University, Department of Internal Medicine No.1, Clinical Immunology and Allergology, Ivano-Frankivsk, Ukraine

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**Risk factors for clinical asthma in children on different ages**

Uralova S.A.¹

¹Tashkent Pediatrical Medical Institute, Allergology, Tashkent, Uzbekistan

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**Comparison of asthma symptoms prevalence in two major cities of Georgia**

Abramidze T.¹, Gotua M.¹, Rukhadze M.¹, Dolidze N.¹, Lomidze N.¹, Gamkrelidze A.¹

¹Center for Allergy & Immunology Research, Tbilisi, Georgia

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**The prevalence of allergic rhinitis, eczema and asthma in guidance schools: relation with body mass index, kitchen, delivery, smoking and animal contact**

Ghaffari J.¹, Behzadnia S.¹, Yazdanicharati J.¹, Zamanfar D.¹, Tavakoli S.¹

¹Center for Allergy & Immunology Research, Tbilisi, Georgia

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**Association of allergic rhinitis with asthma, atopic dermatitis and allergic sensitization in school children**

Tomic M.¹, Vidanović I.², Kamenov A.², Kamenov S.²

¹Health Center Nis, Pediatrics, Nis, Serbia, ²Health Center Nis, Nis, Serbia, ³Medical Faculty, University of Nis, Nis, Serbia

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**Demographic, medical, socioeconomic issues of adolescent asthmatics in Poland**

Jedynak-Wasowicz U.¹, Cichocka-Jarosz E.¹, Pankowska A.², Stelmach I.², Malaczynska T.², Lange J.³, Krogulski A.³, Ordyk B.³, Lis G.³, Asthma Control Study Group: Kurzawa R., Emeryk A., Brąborowicz A., Czkwianianc E., Lebensztejn D., Kycyler Z., Komorowska-Kulińska I., Doniec Z., Pudełko M., Kardas-Sobantka D., Machura E., Gonerko P.¹

¹Jagiellonian University Medical College, Department of Pediatrics, Krakow, Poland, ²Center for Lung Diseases Treatment and Rehabilitation, Department of Respiratory Tract Diseases for Children, Lodz, Poland, ³Medical University of Lodz, Department of Pediatrics and Allergy, Lodz, Poland, ⁴Regional Center of Allergology, Pulmonology and Cystic Fibrosis, Gdansk, Poland, ⁵Warsaw Medical University, Department of Pediatric Pulmonology and Allergy, Warsaw, Poland, ⁶Medical University of Lodz, Department of Pediatric Allergology, Gastroenterology, and Nutrition, Lodz, Poland, ⁷Allergy Out-Patient Clinic for Children, Olszuch, Poland

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**The association between the status of vitamin D and childhood asthma severity**

Papp G.¹, Tokes-Füzesi M.², Biro G.¹, Mohamed S.¹, Kovacs C.¹

¹Szeged Hospital, Pediatric Department, Szegedvar, Hungary, ²PTE University of Pécs, Medical School, Department of Laboratory Medicine, Pécs, Hungary

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**Wheezing and the first thousand days of life**

Aranda C.¹, Wandaisen G.¹, Moraes L.², Dela Bianca A.C.³, Lamenha M.⁴, Mallaczyńska T.⁵, Solé D.³

¹Federal University of Sao Paulo, Pediatrics, Sao Paulo, Brazil, ²Federal University of Mato Grosso, Cuiaba, Brazil, ³Federal University of Pernambuco, Recife, Brazil, ⁴Federal University of Alagoas, Maceio, Brazil, ⁵University of Santiago do Chile (USACH), Chile, Santiago, Chile, ⁶Federal University of Sao Paulo, Sao Paulo, Brazil

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**Recurrent wheezing in Turkish children**

Demir E.¹, Ulusoy E.¹, Guven Bilgin R.B.², Tanac R.², Guler F.¹

¹Ege University Faculty of Medicine, Department of Pediatrics, Pediatric Allergy and Immunology, Izmir, Turkey, ²Ege University Faculty of Medicine, Department of Pediatrics, Izmir, Turkey
793 Asthmatic children and their feelings about the disease: action of Pediatric Program of asthma prevention (PIPA), Uruguaiana, Brazil

Urrutia-Pereira M.1, Lopez M.C.2, Bulhosa M.3, Martins J.4, Solé D.5
1Pedicatri of Program of Asthma Prevention, Pediatrics, Uruguaiana, Brazil, 2Universidade Federal dos Pampas, Uruguaiana, Brazil, 3Universidade Federal dos Pampas, Nursy, Uruguaiana, Brazil, 4Pediatric Program of Asthma Prevention, Nursy, Uruguaiana, Brazil, 5Universidade Federal de São Paulo, Pediatrics, Division of Allergy and Clinical Immunology, São Paulo, Brazil

794 Do spirometry data have a different meaning among preschool and school children?

Carlino F.1, Martins C.1, Miranda M.1, Vilela A.1, Plácido J.L.1
1Centro Hospitalar São João E.P.E., Serviço de Imunoalergologia, Porto, Portugal

795 Ventilation perfusion mismatch and their predictors in acute asthma in children

Özer M.1, Şahiner Ü.M.1, Tekşam Ö.1, Karaatmaca B.2, Soyer Ö.U.2, Şekerel B.E.2
1Hacettepe University Faculty of Medicine, Pediatrics, Ankara, Turkey, 2Hacettepe University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey, 3Hacettepe University Faculty of Medicine, Pediatric Emergency, Ankara, Turkey

The role of component-resolved diagnosis and SLIT in treatment ragweed’s sensitization children under 5 years old

Sharikadze O.1, Rodríguez D.2
1Shupics National Medical Academy of Postgraduate Education, Petritchian, Kyiv, Ukraine, 2Diater Laboratories, Laboratories, Madrid, Spain

The relationship between serum levels of vitamin D with asthma and its symptom severity

Nasiri Kalmarzi R.1, Samani A.2, Fathollah Pour A.3, Ghaderi E.4, Rah Haq H.3, Kooti W.2
1Cellular & Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 2Students Research Committee, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 3School of Medicine, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 4Social Determinants of Health Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of

Comparison of spirometry and impulse oscillometry in acute asthma in children

Okuz S.1, Dr. M.2, Ateş M.3, Rehber S.2
1Gomel Regional TB and Pulmonology Clinic of Pulmonology and Allergy, Gomel, Belarus, 2Clinic of Pulmonology and Allergy, Skopje, Macedonia, the Republic of, 3Clinic of Pulmonology and Allergy, Skopje, Macedonia, the Republic of

Role of methacholine challenge test in the diagnostic workup of children with suspected asthma

Carolina F.1, Martins C.1, Miranda M.1, Vilela A.1, Plácido J.L.1
1Centre Hospitalar São João E.P.E., Serviço de Imunoalergologia, Porto, Portugal

Usefulness of modified indirect bronchial provocation test in the diagnosis of asthma

Lee H.Y.1, Lee J.1, Yang S.Y.1, Lee J.H.1, Kim C.1
1Jeju National University School of Medicine, Jeju, Korea, Republic of

Early intervention with high-dose inhaled corticosteroids for preschool wheezing does not improve lung function at school age

Kunee A.1, Agertoft L.2, Chawes B.L.1, Bønnelykke K.1, Bisgaard H.1, Pedersen S.1
1Copenhagen Prospective Studies on Asthma in Childhood, Health Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Copenhagen University Hospital, Gentofte, Denmark, 2Hans Christian Andersen Children ’s Hospital, Odense University Hospital, Odense, Denmark

Different therapeutic response to inhaled Fluticasone propionate in smokers and non-smokers with asthma

Arsowsky Z.1, Němec D.2, Kjaeva B.2, Goseva Z.2, Pejkovska S.2, Arbutina S.2, Janeva E.2
1Clinic of Pulmonology and Allergy, Assessment of Lung Function, Skopje, Macedonia, the Republic of, 2Clinic of Pulmonology and Allergy, Skopje, Macedonia, the Republic of

The efficacy of the treatment for cough variant asthma in adults using different variants of basic therapy

Ruzanau D.Y.1, Davidovskaya E.I.1, Shebusheva T.T.1, Aleshkевич L.V.1, Baynevič I.V.1, Metelskiy S.M.1, 1Gomel State Medical University, Gomel, Belarus, 2Belarusian Academy of Post-Graduate Medical Education, Minsk, Belarus, 3Gomel Regional TB and Pulmonology Clinical Hospital, Gomel, Belarus, 4Minsk Regional Clinical Hospital, Minsk, Belarus, 5Main Military Clinical Medical Center, Minsk, Belarus

Bronchial response to salbutamol correlates with poor asthma control

Nicollisi G.1, Heffler E.1, Crimi C.2, Campisi R.1, Sichill S.1, Intravaia R.1, Porto M.1, Sberna M.E.1, Liuzzo M.T.1, Picardi G.1, Fichera S.1, Crimi N.1
1University of Catania, Respiratory Medicine & Allergy - Clinical and Experimental Medicine, Catania, Italy, 2‘Cannizzaro’ Hospital, Respiratory Intensive Care Unit, Catania, Italy
806  **Effects of montelukast (Singlon®) at mild persistent bronchial asthma for children**  
Zharhansak U.¹  
¹Belorussian Medical Academy of Post-Graduate Education, Minsk, Belarus  
807  **Effect of omalizumab treatment on asthma exacerbations? Real-life results of patients with severe uncontrolled asthma**  
Havluçu Y.¹, Yorgancioglu A.², Kurhan F.²  
¹Celal Bayar University Medical Faculty, Pulmonary Disease, Manisa, Turkey, ²Celal Bayar University Medical Faculty, Manisa, Turkey  
808  **The role of allergen-specific immunotherapy in the management of bronchial asthma: the results of the 3 year-long observation**  
Burdina V.³  
³Clinic LMS, Moscow, Russian Federation  
809  **Effect of auto-CPAP therapy on functional parameters of the airways in patients with asthma in combination with obstructive sleep apnea-hypopnea syndrome**  
Iashyna L.¹, Feschenko Y.¹, Ignatieva V.¹, Opimakh S.¹, Nazarenko K.¹  
¹State Organization “National Institute of Phthisiopulmonology and Pulmonology named after F.G. Yanovsky NAMS of Ukraine”, Kyiv, Ukraine  
810  **Use of clinical predictors on diagnosis of OSAS in patients with chronic obstructive pulmonary disease, asthma and cardiovascular diseases**  
Mahmoud H.A.M.¹, Ahmad A.M.², Salama S.S.³  
¹Sohaq University, Chest Department, Sohaq, Egypt, ²Sohaq University, Sohaq, Egypt, ³Assut University, Assut, Egypt  
811  **Exhaled breath condensate soluble HLA-G levels in asthmatic children**  
Tahan F.¹, Yilmaz B.B.¹, Saraymen R.², Dorterler K.¹  
¹Erciyes University School of Medicine, Pediatric Allergy, Kayseri, Turkey, ²Erciyes University School of Medicine, Biochemistry, Kayseri, Turkey

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**Poster Session (TPS 15) – Epidemiology of food allergy**

**Poster Exhibition**

**Chairs:** Abena Amoah, Ghana  
Thuy-My Le, The Netherlands  

812  **Prevalence of food allergy in Korean schoolchildren in 2015**  
Kim M.¹,², Lee J.Y.¹,², Jeon H.-Y.², Yang H.-K.¹,², Lee K.-J.³, Han Y.², Kim Y.H.², Kim J.¹,², Ahn K.¹,²  
¹Sungkyunkwan University School of Medicine, ²Department of Pediatrics, Seoul, Korea, Republic of, ³Korea National Open University, Department of Information and Statistics, Seoul, Korea, Republic of  
813  **Tree nut, peanut and almond allergy among children visiting a tertiary hospital in Athens**  
Kostoudi S.¹, Douladiris N.¹, Kitsioulis N.¹, Tzeli K.¹, Manolaraki I.¹, Kitsos D.¹, Roumpedaki E.¹, Michopoulou C.¹, Christopoulou G.¹, Zisaki V.¹, Manousakis E.¹, Xepapadaki P.¹, Papadopoulos N.G.¹  
¹University of Athens, Allergy Unit, Athens, Greece  
814  **The prevalence of food allergy to hen’s egg in schoolchildren in Western Siberia (Russian Federation)**  
Fedorova O.S.¹, Fedotova M.M.¹, Yazdanabakhsh M.², Wong G.W.K.³, Kummeling I.³, Burney P.³, Fernandez-Rivas M.³, van Rée R.R.³, Ogorodova L.M.¹  
¹Siberian State Medical University, Department of Paediatrics, Tomsk, Russian Federation, ²Leiden University Medical Center, Department of Parasitology, Leiden, The Netherlands, ³Chinese University of Hong Kong, Department of Paediatrics and School of Public Health, Hong Kong, China, ⁴National Heart and Lung Institute, Imperial College London, Department of Respiratory Epidemiology and Public Health, London, United Kingdom, ⁵Hospital Clinico San Carlos, Madrid, Spain, ⁶Academic Medical Center, Department of Experimental Immunology and Department of Otorhinolaryngology, Amsterdam, The Netherlands  
815  **Measles – Mumps – Rubella vaccination in children with allergy to its components**  
Mastrorilli C.¹, Parati E.¹, Povesi Dascola C.¹, Rizzuti L.¹, Di Mauro D.¹, Caffarelli C.¹  
¹University of Parma, Pediatric Allergy and Immunology Unit, Pediatric Department, Parma, Italy  
816  **Evolution of peanut allergy from early childhood to adolescence in a population based cohort**  
Asarnej A.¹,², Hamsten C.¹, Ganrud Tedner S.², Lupinek C.³, Andersson N.², Melen E.², Anto J.³,⁵,⁶,⁷, Bousquet J.⁸, Valenta R.³, van Hage M.¹, Wickman M.¹  
¹Karolinska Institutet, Clinical Immunology and Allergy Unit, Department of Medicine, Stockholm, Sweden, ²Karolinska University Hospital, Department of Pediatric Pulmonology and Allergy, Astrid Lindgren Children’s Hospital, Stockholm, Stockholm, Sweden, ³Medical University of Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, ⁴Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden, ⁵Hospital del Mar Research Institute, Centre for Research in Environmental Epidemiology, Barcelona, Spain, ⁶Universitat Pompeu Fabra, Departament de Ciències Experimentals i de la Salut, Barcelona, Spain, ⁷CIBER Epidemiología y Salud Pública, Barcelona, Spain, ⁸University Hospital of Montpellier, Hôpital Arnaud de Villeneuve, Montpellier, France
Clinical features of legume allergy in a Mediterranean pediatric population
Chytiroglou E.1, Sandilos C.1, Kontogiorgaki I.1, Chliva C.1, Makris M.2
1National University of Athens Medical School

University General Hospital ‘ATTIKON’, Allergy Unit
'D. Kalogeromitros', 2nd Dpt. of Dermatology and Venereology, Athens, Greece
2National University of Athens Medical School University General Hospital
‘ATTIKON’, Allergy Unit 'D. Kalogeromitros', 2nd Dpt. of Dermatology and Venereology, Athens, Greece

Sensitization of peanut allergic patients in an area with a high LTP prevalence
Gómez E.1, Mayorga C.2, Boqas G.1, Molina A.2, González M.2, Prieto A.3, Torres M.J.1, Blanca M.1
1Allergy Unit, IBIMA-Regional University Hospital of Malaga, Malaga, Spain
2Research Laboratory, IBIMA-Regional University Hospital of Malaga, Malaga, Spain

Food Allergy in the Latin American patients in an area of Madrid
Somoza ML.1, Blanca López N.1, Pérez Alzate D., Ruano Pérez F.J.1, Garcimartín Galicia M.I.1, Haroune Díaz E.1, Vázquez de la Torre Gaspar M.1, Gómez F.3, Mayorga C.2, Canto G.1
1Infanta Leonor - University Hospital, Allergy, Madrid, Spain
2Carlos Haya Hospital, Malaga, Spain
3IBIMA - Regional University Hospital of Malaga - University of Malaga, Malaga, Spain

Epidemiology of food allergy in Czech Republic, first results of DAFA LL registry
Belohlavková S.1, Kopelevtova E.2, Visek P.3, Setinova I.4, Chladkova J.5, Svarcova J.6
1Immunoflow, s.r.o., Allergology, Prague, Czech Republic
2Faculty Hospital Motol, Prague, Czech Republic
3Allergolgy Litomyšl, Litomyšl, Czech Republic
4Immunia, s.r.o., Prague, Czech Republic
5Faculty Hospital Hradec Králové, Hradec Králové, Czech Republic
6Immunoflow, s.r.o., Prague, Czech Republic

Sensitization to hazelnut in Norway: cross-sensitization to birch and co-sensitization to other tree nuts and to peanut
Namork E.1, Groeng E-C.1, Granum B.1
1Norwegian Institute of Public Health, Oslo, Norway

Prevalence of oral allergy syndrome in Japanese children
Ota M.1,2, Takizawa T.1, Nishida Y.1, Yagi H.1, Koyama H.1, Arakawa H.1
1Gunma University Graduate School of Medicine, Pediatrics, Maebashi, Japan
2Niigata University School of Medicine, Pediatrics, Niigata, Japan

Allergy to millet and cross-reactivity with rice, corn and other cereals
De Amicis M.1, Licari A.1, Caimmi S.M.E.1, Marseglia A.1, Torre C.1, Testa G.1, Desmet N.1, Caimmi D.2,3, Marseglia G.L.1
1Foundation IRCCS PoliClinico San Matteo, Pavia, Italy
2CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France
3Sorbonne Universités, UPMC Paris 06, UMR-S 1 136, IPLESP, Equipe EPAR, Paris, France

Impact of season of birth and maternal folic acid supplementation on food allergy in children
Abe M.1
1Oita University of Nursing and Sciences, Oita, Japan

Clinical and laboratory findings of Buckwheat allergy in Korean children
Jeong K.1, Park K.1, Lee S.1
1Ajou University School of Medicine, Department of Pediatrics, Suwon, Korea, Republic of

Anaphylaxis in children younger than two years old: single center experience
Dibek Misirlioglu E.1, Vezir E.1, Toyran M.1, Capanoglu M.1, Guvenir H.1, Civelek E.1, Kocabas C.N.2
1Ankara Children’s Hematology Oncology Training and Research Hospital, Ankara, Turkey
2Mugla Sitki Kocman University Faculty of Medicine, Mugla, Turkey

Prevalence of coconut sensitisation and allergy in children with diagnosed peanut and/or tree nut allergy – is coconut an emerging allergen?
Kirk K.1, Ball H.1, Stiefel G.1, Luyt D.1
1University Hospitals of Leicester NHS Trust, Children’s Allergy Service, Leicester, United Kingdom

Anisakis simplex hypersensitivity and allergy in Sicily, Italy
Nicolosi G.1, Sberna M.E.1, Heffler E.1, Sichili S.1, Intravaia R.1, Porto M.1, Liuzzo M.1, Picardi G.1, Ficheria S.1, Crini M.1
1University of Catania, Respiratory Medicine & Allergy - Clinical and Experimental Medicine, Catania, Italy

Psychiatric disorders and symptoms severity in preschool children with cow’s milk allergy
Topal E.1, Catal F.1, Soylu N.2, Ozcan O.O.2, Celiksoy M.H.3, Babayigt A.4, Erge D.5, Karakoc H.T.1, Sancak R.3
1Inonu University Faculty of Medicine, Pediatric Allergy and Immunology, Malatya, Turkey
2Inonu University Faculty of Medicine, Child and Adolescent Psychiatry, Malatya, Turkey
3Onkoduz Mayis University Faculty of Medicine, Pediatric Allergy and Immunology, Samsun, Turkey
4,5Kanuni Sultan Süleyman Training and Research Hospital, Pediatric Allergy and Immunology, Istanbul, Turkey

IgE sensitization to cow’s milk and its allergen in a large pediatric cohort
De Amicis M.1, Licari A.1, Caimmi S.M.E.1, Marseglia A.1, Torre C.1, Testa G.1, Desmet N.1, Caimmi D.2,3, Marseglia G.L.1
1Foundation IRCCS PoliClinico San Matteo, Pavia, Italy
2CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France
3Sorbonne Universités, UPMC Paris 06, UMR-S 1 136, IPLESP, Equipe EPAR, Paris, France

Factors associated with food allergy in infants
Miyaw Y.1, Narita M.1, Yang L.1, Yoshida A.1, Ando T.1, Hashimoto M.1, Saito M.1, Gen A.1, Inagaki S.1, Natsume O.1, Shoda T.1, Yamamoto K.1, Suda T.1, Nomura I.1, Ohya Y.1
1National Center for Child Health and Development, Division of Allergy, Tokyo, Japan
Different sensitizations in the Lombardia region (Italy)  
De Amici M., Baiami D., Risitano E., Testa G., Desmet N., Seminara M., Baiami S.M.E., Marseglia G.L., Cairoi M.  
1Foundation IRCCS Policlinico San Matteo, Pavia, Italy,  
2CHRU de Montpellier, Université d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Amaud de Villeneuve, Montpellier, France,  
3Sorbonne Universités, UPMC Paris O6, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France,  
4Fondazione IRCCS Policlinico San Matteo, Pavia, Italy

Sensitization profiles in patients with allergic disease during 2005-2015 in Shanghai, China – a retrospective study  
Guo Y., Yan Y., Xu Y., Zheng Q., Wang Y., Shao L.  
1Shanghai Jiaotong University School of Medicine/Renji Hospital, Dept. of Allergy, Shanghai, China,  
2Shanghai Jiaotong University School of Medicine/Renji Hospital, Shanghai, China,  
3Shanghai Jiaotong University School of Medicine/Renji Hospital, Department of Allergy, Shanghai, China

Differences in the sensitization patterns between immigrant populations according to their origin  
Lopez Salgueiro R., Esteso S., Pacheco Coronel V., Perales Chorda C., Marti Garrido J.  
1University Hospital La Fe, Allergy, Valencia, Spain,  
2University of Valencia, Biolog, Valencia, Spain

Evaluation of Gibberellin-regulated protein specific IgE in Japanese patients with apple allergy  
1Fujita Health University, Pediatrics, Aichi, Nagoya, Japan,  
2Fruits Allergy Component Study Group, Nagoya, Japan

Uncontrolled allergic rhinoconjunctivitis to pollen and a new oral allergy syndrome with fresh fruits: should we take a top down or a bottom up approach?  
Santos N., Bartolomé B., Delgado L., Plaza J.L.  
1Centro Hospitalar da Algarve - Portimão, Allergy and Clinical Immunology Unit, Portimão, Portugal,  
2Research and Development Department, Bial-Aristegui, Bilbao, Spain,  
3Faculty of Medicine, University of Porto, Laboratory of Immunology, Basic and Clinical Immunology Unit, Porto, Portugal,  
4Faculty of Medicine, University of Porto, Center for Research in Health Technologies and Information Systems (CINTESIS), Porto, Portugal,  
5Centro Hospitalar de São João, EPE, Allergy and Clinical Immunology Department, Porto, Portugal

Component resolved diagnosis in cat allergy – study of 50 cases  
Ukleja-Sokolowska N.E., Gawronska-Ukleja E., Zbikowska-Gotz M., Socha E., Bartuzi Z., Sokolowski L.  
1Collegium Medicum, Nicolaus Copernicus University, Allergology, Clinical Immunology and Internal Diseases, Bydgoszcz, Poland,  
2Dr Jan Bizi University Hospital No. 2, Neurology and Stroke Treatment, Bydgoszcz, Poland  
3Neutrophil elastase and myeloperoxidase in patients with food allergy  
1Nicolaus Copernicus University in Toruń Collegium Medicum in Bydgoszcz, Department of Allergology, Clinical Immunology and Internal Medicine, Bydgoszcz, Poland,  
2Nicolaus Copernicus University in Toruń Collegium Medicum in Bydgoszcz, Department of Psychological Rehabilitation, Bydgoszcz, Poland

The measure of specific IgE to peanut, hazelnut and soy extracts is not useful for primary sensitization diagnosis in atopic children. The critical role of molecular allergy diagnostics  
Blazowsky L., Kurzawa R.  
1National Research Institute for Tuberculosis and Lung Diseases - Rabka Branch, Allergy and Pulmonary Medicine Department, Rabka Zdroj, Poland,  
2Specialist Hospital, Pediatric and Allergology Department, Jaslo, Poland,  
3Rzeszow University, Faculty of Medicine, Rzeszow, Poland

Extracellular matrix metalloproteinases (MMP-2 and MMP-9) and their tissue inhibitor (TIMP-1) in patients with food and airborne allergy  
Kuźmiński A., Przybyszewski M., Graczky M., Zbikowska-Gotz M., Palgan K., Bartuzi Z.  
1Nicolaus Copernicus University in Toruń Collegium Medicum in Bydgoszcz, Department of Allergology, Clinical Immunology and Internal Medicine, Bydgoszcz, Poland

Evaluation of IgE test results in clinical practice  
Kalpaklioglu A.F., Bacciglione A.  
1Kirkikale University Hospital, Immunology and Allergic Diseases, Kirkikale, Turkey

Thermography imaging as an objective technique for evaluation of allergic skin tests  
Pukhlik B., Bogomolov A., Rodinkova V., Zaykov S.  
1Vinnitsa National Pirogov Memorial Medical University, TB, Clinical Immunology and Allergy Dept., Vinnitsa, Ukraine,  
2Vinnitsa National Pirogov Memorial Medical University, Pharmacy, Vinnitsa, Ukraine,  
3Shupyk National Academy of Postgraduate Education, TB and Pulmonology Dept., Kyiv, Ukraine

The effect of pollen charge to symptoms and skin prick test results of patients admitted to Allergy Immunology Clinic in Manisa  
Aktas A., Demirci U., Guvensen A., Bilgic F., Buluc E., Altun T., Kürsat S., Eldikoku H.  
1Celal Bayar University, Allergy and Immunology, Manisa, Turkey,  
2Celal Bayar University, Internal Medicine, Manisa, Turkey,  
3Ege University, Biology, Izmir, Turkey,  
4Dokuz Eylul University, Biostatistics, Izmir, Turkey
844 Nasal provocation test in objective methods

Krzycz-Falta E.1, Furmanczyk K.2, Samolinski B.2

1Medical University of Vienna, Warsaw, Unit of Environmental Hazard Prevention and Allergology, Warsaw, Poland, 2Medical University of Warsaw, Unit of Environmental Hazard Prevention and Allergology, Warsaw, Poland

845 Highly efficient colorimetric allergy detection based on hierarchically-structured nanozymes

Lee S.M.1, Shin H.Y.2, Cho S.2, Seo Y.H.3, Cho Y.K.1, Kim M.1,3, Sang Pyo L.1

1Gil Medical Center, Gachon University, Internal Medicine, Incheon, Korea, Republic of, 2Gachon University, BioNano Technology, Seongnam, Korea, Republic of, 3Gil Medical Center, Gachon University, Laboratory Medicine, Incheon, Korea, Republic of

846 Performance evaluation of a multiple allergen simultaneous tests

Shim H.1, Choi J.1, Kim B.1, Chung J.-Y.2, Kim S.3

1Seegene Medical Foundation, Laboratory Medicine, Seoul, Korea, Republic of, 2AGIBIO Diagnostics, Seoul, Korea, Republic of, 3Labgenomics, Pankyo, Republic of

847 Comparison of a new in-vitro system to detect specific IgE with a conventional system

Wahl R.1, Putensen O.1, Uhlig J.1

1ROXALL Medizin, Oststeinbek/Hamburg, Germany

848 Allergy to pholcodine and sensitisation to curares

Abdellaziz R.1, Amazit Y.2, Ouali D.3, Douagui H.3

1Beni Messous Hospital, Alger, Algeria, 2Pneumo Allergology and Oncology Thoracic and Sleep Laboratory Unit, Algiers, Algeria, 3Pneumo Allergology and Oncology Thoracic and Sleep Laboratory Unit Beni Messous Hospital, Algiers, Algeria

**Poster Session (TPS 17) – Nasal poliposis and chronic rhinosinusitis**

**Poster Exhibition**

**Chairs:** Martin Wagenmann, Germany

Martin Desrosiers, Canada

849 Doxycycline inhibits TGF-β1-induced extracellular matrix production in nasal polyp-derived fibroblasts


1Korea University Guro Hospital, Otorhinolaryngology-Head and Neck Surgery, Seoul, Korea, Republic of, 2Korea University College of Medicine, Division of Brain Korea 21 Program for Biomedical Science, Seoul, Korea, Republic of

850 Antiallergic effects of trichostatin A in a murine model of rhinitis


1Korea University Guro Hospital, Otorhinolaryngology-Head and Neck Surgery, Seoul, Korea, Republic of, 2Korea University College of Medicine, Division of Brain Korea 21 Program for Biomedical Science, Seoul, Korea, Republic of

851 Association of serum 25-hydroxyvitamin D with serum IgE levels in Korean adults

Chung H.J.1, Kim C.-H.1,2, Rha M.S.1

1Yonsei University College of Medicine, Department of Otolaryngology, Seoul, Korea, Republic of, 2The Airway Mucus Institute, Seoul, Korea, Republic of

852 Impulse oscillometric evaluation of airflow resistance in children with allergic rhinitis but not lower airflow findings

Simsek Y.1, Yilmaz O.1, Kanik E.1, Yuksel H.1

1Celal Bayar University Medical Faculty, Pediatric Allergy and Pulmonology, Manisa, Turkey

853 The role of regulatory T cells in allergic rhinitis and their correlation with IL-10, IL-17 and neopterin levels in serum and nasal lavage fluid

Erkan K.1, Bozkurt M.K.1, Artar H.2, Ozdemir H.2, Elsurer C.1

1Selcuk University School of Medicine, Otolaryngology, Konya, Turkey, 2Selcuk University School of Medicine, Pediatric Allergy and Immunology, Konya, Turkey

854 Immunology of deafness: the comparative study of pro- and anti-inflammatory cytokines in different types on deafness in children

Sydorchuk A.1, Sydorchuk L.P.1, Iftoda O.M.1, Sydorchuk I.I.1, Sydorchuk R.I.1

1Bukovinian State Medical University, Chernivtsi, Ukraine, 2Medical University of Lodz, Department of Immunology, Rheumatology & Allergy; Healthy Ageing Research Center, Lodz, Poland, 3Medical University of Lodz, Department of Microbiology and Laboratory Medical Immunology, Lodz, Poland

855 Effects of Bromelain on cytokine concentrations in patients with chronic rhinosinusitis

Singh J.1, Kratel T.1, Weiher L.1, Shah-Hosseini K.1, Meiser P.2, Möges R.1

1University of Cologne, Faculty of Medicine, Institute of Medical Statistics, Informatics and Epidemiology (IMSEI), Cologne, Germany, 2URSAPHARM Arzneimittel GmbH, Saarbrücken, Germany

856 A recently established murine model of nasal polyps demonstrates activation of B cells, as occurs in human nasal polyps

Kim D.-Y.1

1Seoul National University College of Medicine, Department of Otorhinolaryngology, Seoul, Korea, Republic of

857 Viral and bacterial infections in patients with chronic rhinosinusitis with nasal polyps

Gliszewska-Zlaiber A.1, Pawelczyk M.1, Globinska A.1, Zarzycka B.2, Grzegorzcyk J.2, Kowalski M.L.1

1Medical University of Lodz, Department of Immunology, Rheumatology & Allergy; Healthy Ageing Research Center, Lodz, Poland, 2Medical University of Lodz, Department of Microbiology and Laboratory Medical Immunology, Lodz, Poland
Poster Session (TPS 18) – Diagnosis of allergic rhinitis

Chair: Cemal Cingi, Turkey

869 Phase II clinical trial of ONO-4053, a novel DP1 antagonist, in patients with seasonal allergic rhinitis
Okubo K.1, Yamamotoya H.2
1Nippon Medical School, Department of Otorhinolaryngology, Tokyo, Japan, 2Omo Pharmaceutical Co., Ltd., Translational Medicine Center, Osaka, Japan

870 Efficacy of bilastine in Japanese cedar pollinosis: results of a randomized, double-blind, 4-way crossover, placebo-controlled, phase II study using an artificial exposure chamber (OHIO Chamber)
Okubo K.1, Togawa M.2, Honda T.3, Hashiguchi K.4
1Nippon Medical School, Department of Otolaryngology, Tokyo, Japan, 2Taiho Pharmaceutical Co., Department of Strategic Clinical Development Planning, Tokyo, Japan, 3Taiho Pharmaceutical Co., Department of Clinical Development, Tokyo, Japan, 4Futaba Clinic, Department of Otorhinolaryngology, Tokyo, Japan

871 Autophagy in patients with allergic rhinitis: a new therapeutic target
Li J.1, Li Y.2, Sha M.2
1Hangzhou First People’s Hospital, Hangzhou, China, 2Nanjing Medical University, Nanjing, China

872 New allergen sensitization might be associated with increased body mass index in children
Kim D.Y.1, Kim J.H.1, Chang J.H.2, Choi H.S.2, Kang J.W.1
1Jeju National University Hospital, Department of Otorhinolaryngology, Jeju, Korea, Republic of, 2NHIS Ilsan Hospital, Department of Otorhinolaryngology, Goyang, Korea, Republic of

873 The laser surgery for the treatment of allergic rhinitis
Doros I.-C.1, Balica N.C.1, Dobre M.1, Poenaru M.1
1Victor Babes’ University of Medicine and Pharmacy, ENT Department, Timisoara, Romania

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863 Therapeutic management of nasal polyposis
Doros I.-C.1, Dobre M.1, Laqtoubi M.1, Balica N.C.1
1Victor Babes’ University of Medicine and Pharmacy, ENT Department, Timisoara, Romania

864 Posterior nasal neurectomy cases in our department
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1Tokyo Medical and Dental University, Otorhinolaryngology, Tokyo, Japan

865 The reasons of uncontrolled chronic rhinosinusitis and allergic rhinitis
Van Bulck P.1, Hellings P.2
1University of Leuven, ORL, Leuven, Belgium, 2University of Leuven, Leuven, Belgium

866 Clinical characteristics of patients with asymptomatic sensitization combined with nasal septal deviation
Han D.H.1, Hong S.N.1, Rhee C.-S.2, ARCO Study Group
1Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea, Republic of, 2Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seoul, Korea, Republic of

867 Imaging-navigated endoscopic surgery in acute pediatric sinusitis with orbital subperiosteal abscess
Jichao S.1, Meng C.1, Fu Y.1, Zhu D.1
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital of Jilin University, Neurosurgery, Changchun, China

868 Genetic variations in the TSLP gene are associated with CRS with nasal polyposis: a replication study
Desrosiers M.1, Filali-Mouhim A.2, Mfuna Endam L.1, Boulet LP.2, Boisvert P.3, Bossé Y.3
1Université de Montréal, ENT, Montréal, Canada, 2Université de Montréal, Montréal, Canada, 3Centre de Recherche, Institut Universitaire de Cardiologie et de Pneumologie de Québec, Quebec, Canada
874 Allergic and non-allergic rhinitis: diagnosis and management of 45 cases
Dobre M.1, Doros I.-C.1, Balica N.C.1, Doros G.2, Poenaru M.1
1Victor Babes’ University of Medicine and Pharmacy, ENT Department, Timisoara, Romania, 2Victor Babes’ University of Medicine and Pharmacy, Illdrd Pediatric Clinic, Timisoara, Romania

875 Evaluation of comorbidities associated with persistent rhinitis
Karabiber E.1, Ozdemir E.2, Celebioglu E.2, Karakaya G.2, Kalyoncu A.F.2
1Hacettepe University Faculty of Medicine, Allergy and Immunology Department, Ankara, Turkey, 2Hacettepe University Faculty of Medicine, Ankara, Turkey

876 Allergic rhinitis in children: importance of family history
Dobre M.1, Doros I.-C.1, Balica N.C.1, Poenaru M.1, Doros G.2
1Victor Babes’ University of Medicine and Pharmacy, ENT Department, Timisoara, Romania, 2Victor Babes’ University of Medicine and Pharmacy, Illdrd Pediatric Clinic, Timisoara, Romania

877 MP-AzeFlu* provides effective symptom relief irrespective of response to previous therapy in patients with moderate/severe allergic rhinitis
Bachert C.1, Scadding G.2, Price D.3, Mullol J.4, Canonica G.W.5, Bousquet J.6,7,8
1Ghent University Hospital, Dept of Oto-rhino-laryngology, Ghent, Belgium, 2The Royal National Throat, Nose and Ear Hospital, London, United Kingdom, 3University of Aberdeen, Aberdeen, United Kingdom, 4Hospital Clinic, IDIBAPS, CIBERES, Barcelona, Spain, 5Allergy & Asthma Research Institute& Respiratory Clinic, IRCSS AOU S. Martino, Genoa, Italy, 6Université Hospital, Montpellier, France, 7MACVIA-LR, European Innovation Partnership on Active and Healthy Aging Reference Site, Montpellier, France, 8INSERM U 1168, Paris, France

878 Effectiveness of MP-AzeFlu* for the treatment of allergic rhinitis in real-life assessed by responder analysis: meta-analysis of data from 5 European countries
Dollner R.1, Haahr P.2, Stjärne P.3, Agache I.4, Klimek L.5, Bachert C.6
1Oslo University Hospital-Rikshospitalet, Department of Otorhinolaryngology, Oslo, Norway, 2Specialist Centre, Vejle, Denmark, 3Karolinska Institute, Department of Otorhinolaryngology, Stockholm, Sweden, 4Translavia University of Brasov, Department of Allergy & Clinical Immunology, Brasov, Romania, 5Centre for Rhinology and Allergology, Wiesbaden, Germany, 6Ghent University Hospital, Dept of Oto-rhino-laryngology, Ghent, Belgium

879 Real-life effectiveness of a new allergic rhinitis therapy (MP-AzeFlu*) in Romania
Agache I.1, Sarafoneanu C.C.2, Lerusu PM.3,4, Bucur I.5, Doros I.-C.6, Poenaru M.6
1Translavia University of Brasov, Department of Allergy & Clinical Immunology, Brasov, Romania, 2Santa Maria Clinical Hospital, ENT-HNS Department, Bucharest, Romania, 3Colentina Clinical Hospital, Bucharest, Romania, 4Carol Davila University of Medicine and Pharmacy, Bucharest, Romania, 5Nicolae Malaxa Hospital, Allergology Out-patient Unit, Bucharest, Romania, 6University of Medicine and Pharmacy ‘Victor Babes’, ENT Department, Timisoara, Romania

Outpatient effectiveness of MP-AzeFlu in clinical practice: results from a digital survey conducted during EAACI 2015 and a pan European study
Klimek L.1, Price D.2, Murray R.3, Mullol J.4
1Centre for Rhinology and Allergology, Wiesbaden, Germany, 2University of Aberdeen, Aberdeen, United Kingdom, 3Medscript, Medical Communications, Dundalk, Ireland, 4Hospital Clinic, IDIBAPS, CIBERES, Barcelona, Spain

Study on treatment of allergic rhinitis by using a combination of BCG polysaccharide nucleic acid injection and intranasal corticosteroids
Jichao S.1, Meng C.1, Fu Y.2, Zhu D.1
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital of Jilin University, Neurosurgery, Changchun, China

Comparison of adenoidal size in children with allergic rhinitis and non-allergic rhinitis
Lee Y.J.1, Bang J.S.1, Oh Y.J.1, Sung T.J.1, Lee K.H.1
1Hallym University Kangnam Sacred Heart Hospital, Hallym University College of Medicine, Pediatrics, Seoul, Korea, Republic of

Afection of otolaryngology system – risk factors for development of recurrent wheezing in children
Selevestru R.1, Sciuca S.1, Neamtu M.1, Adam I.1, Visnevsci-Rusnac L.2, Brumarel N.1, Cotoman A.2, Sevcenco S.1, Dimitrova O.1, Cazacu-Stratu A.1
1State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova, 2Mother and Child Institute, Chisinau, Republic of Moldova

Clinical survey of rhinitis patients at allergy clinic, Ramathibodi Hospital
Wongsa C.1, Laisaun W.1, Rerkpattanapipat T.1
1Mahidol University, Division of Allergy Immunology and Rheumatology, Department of Internal Medicine, Faculty of Medicine Ramathibodi Hospital, Bangkok, Thailand

Prevalence of allergic rhinoconjunctivitis and risk factors in 6- to 7-year old children in the East of Turkey
Topal E.1, Turker K.2, Catal F.1
1Inonu University Faculty of Medicine, Pediatric Allergy and Immunology, Malatya, Turkey, 2Inonu University Faculty of Medicine, Department of Pediatrics, Malatya, Turkey

Psychological effect on children allergic rhinitis
Li L.1, Wang Z.2, Sha J.1, Zhu D.1, Xiu Q.1, Meng C.1
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital affiliated with Jilin University, Medical, Changchun, China

Assessment of children with allergic rhinitis living in Kirikkale region
Azkur D.1, Alielendifioğlu D.2, Kocabas C.N.3
1Kirikkale University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Kirikkale, Turkey, 2Kirikkale University Faculty of Medicine, Department of Neonatology, Kirikkale, Turkey, 3Mugla Sıtkı Kocman University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Mugla, Turkey
888  Polen-allergic rhinoconjunctivitis patient with IgE polysensitization due to polcalcins
Popescu F.-D.1,2, Vieru M.1,2, Secureanu F.A.2, Ganea C.S.2
1Carol Davila’ University of Medicine and Pharmacy, Allergology, Bucharest, Romania 2’Nicolae Malaxa’ Clinical Hospital, Bucharest, Romania

889  Basophil sensitivity correlates with severity of grass pollen related allergic rhinitis
Zidarn M.1, Silar M.1, Bajrovic N.1, Erzen R.1, Kopac P.1, Kosnik M.1, Korosec P.1
1University Clinic for Respiratory and Allergic Diseases Golnik, Golnik, Slovenia

Poster Session (LB TPS 1) – Pediatric allergies and their risk factors

1461  The multinational iFAAM birth cohort follow up: dissociation between season of birth and incidence of allergy-associated diseases. Preliminary results from the Greek pediatric population
Christopoulou G.1, Makri M.1, Roumpedaki E.1, Xepapadaki P.1, Papadopoulos N.1,2
1Allergy Unit, University of Athens, 2nd Pediatric Clinic, Athens, Greece. 2Institute of Human Development, The University of Manchester, Center for Pediatrics and Child Health, Manchester, United Kingdom

1462  Enterovirus infection in early life and risk of developing allergic diseases in children
Huang Y.-W.1, Tsai H.-J.2, Tsai Y.-T.2, Wang J.-Y.2, Chen C.-A.2
1National Health Research Institutes, Miaoli, Taiwan, Province of China. 2National Health Research Institutes, Miaoli County, Taiwan, Province of China

1463  Comparative analysis of nasal microbiota in healthy and persistent rhinitis infants: a pilot study
Tay C.J.X.1, Lim A.S.M.1, Yap G.C.1, Huang C.-H.1, Chu C.W.H.2, De Sessions P.F.2, Shek L.P.C.1, Goh A.3, Van Bever H.P.S.1, Teoh O.H.1, Soh J.Y.1, Thomas B.3, Ramamurthy M.B.1, Goh D.Y.T.1, Lay C.1, Soh S.E.1,4, Saw S.M.4, Kwek K.5, Chong Y.S.6,7, Godfrey K.M.8, Gluckman P.D.1, Hibberd M.L.1, Lee B.W.1
1National University of Singapore, Paediatrics, Singapore, Singapore. 2Genome Institute of Singapore, Agency for Science, Technology and Research, Singapore, Singapore. 3KK Children’s and Women’s Hospital, Department of Paediatrics Allergy and Respiratory, Singapore, Singapore. 4National University of Singapore, Saw Swee Hock School of Public Health, Singapore, Singapore. 5KK Children’s and Women’s Hospital, Department of Maternal and Fetal Medicine, Singapore, Singapore. 6National University of Singapore, Department of Obstetrics & Gynaecology, Singapore, Singapore. 7SINGO Institute for Clinical Sciences, Agency for Science, Technology and Research Singapore, Singapore, Singapore. 8MRC Lifecourse Epidemiology Unit and NIHR Southampton Biomedical Research Centre, University of Southampton and University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom

Orally applied bacterial lysate does not prevent allergic rhinitis and asthma at school age in children at risk for atopy in a RCT
Rossberg S.1, Zimmermann K.2, Geske T.2, Zaino M.4, Hamelmann E.5, Lau S.1
1Charite - Universitätsmedizin Berlin, Berlin, Germany. 2Symbiopharm GmbH, Herborn, Germany. 3tg medical services, Berlin, Germany. 4Biostatistics, Leipzig, Germany. 5Children Center Bethel, Bielefeld, Germany

Relation between word blood 25(OH) Vitamin D levels in Bulgarian children with wheezing
Mileva S.1, Galeva I.1, Yankova M.1, Mihailova S.2
1Medical Academy Sofia, Alexandria Hospital, Pediatric Department, Sofia, Bulgaria. 2Medical Academy Sofia, National Immunology Laboratory, Sofia, Bulgaria

The overweight and asthma symptoms in preschool and early school aged children
1Jagiellon University Medical College, Department of Pediatrics, Krakow, Poland. 2Allergy Out-Patient Clinic for Children, Olkus, Poland. 3Center for Lung Diseases Treatment and Rehabilitation, Department of Respiratory Tract Diseases for Children, Lodz, Poland. 4Medical University of Lodz, Department of Pediatrics and Allergy, Lodz, Poland. 5Medical University of Lodz, Department of Pediatric Allergology, Gastroenterology, and Nutrition, Lodz, Poland. 6Medical University of Białystok, Department of Pediatrics, Gastroenterology and Allergology, Białystok, Poland. 7Regional Center of Allergology, Pulmonology and Cystic Fibrosis, Gdansk, Poland. 8Warsaw Medical University, Department of Pediatric Pulmonology and Allergy, Warsaw, Poland. 9National Institute for Tuberculosis and Lung Diseases, Branch Rabka-Zdroj, Department of Allergy and Pulmonology, Rabka, Poland
1468 Prevalence of oral allergy syndrome and different responses of Bev v 1 and Bet v 2 specific IgE in sensitised children
Han M.Y.1, Ha E.K.1, Jee H.M.1, Na M.S.1, Jung Y.H.1, Lee K.S.1, Lee S.J.1, Sheen Y.H.1, Sung M.S.1, SAP
1CHA Bundang Medical Center, Seongnam, Korea, Republic of, 2CHA Gangnam Medical Center, CHA University School of Medicine, Gangnam, Korea, Republic of

1469 Detection of β-lactoglobulin in human breast milk after cow's milk ingestion
Manuyakov W.1, Matangkasombut P.2, Padungpak S.1, Thaloengsok S.2, Kamchaisawan W., Sasisakulporn C.1, Teawsomboonkit W.1, Benjaponpitak S.1
1Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand, 2Department of Microbiology, Faculty of Science, Mahidol University, Bangkok, Thailand

1470 Evaluation of 563 children with chronic cough accompanied by a new clinical algorithm
Nursoy M.A.1, Gedik A.H.1, Cakir E.1, Doqan Demir A.1, Erenberk U.1, Uzuner S.1, Ozkaya E.1, Aksoy F.1, Gokce S.1, Bahali K.2
1Bezmialem Vakif University, Istanbul, Turkey, 2Bakirkoy Educational Hospital, Istanbul, Turkey

1471 Clinical features and epidemiology of allergy to peanut and tree nut in Italian children: a retrospective study
Liotti L.1, Franceschini F.2, Migliozzi L.1, Gruppo di Studio SIAP-Marche
1Ospedale Civile Senigallia, Pediatrics Department, Senigallia, Italy, 2Azienda Ospedaliero-Universitaria “Ospedali Riuniti”, Pediatric Department, Ancona, Italy

1472 Respiratory Acute Life-Threatening Event (R-ALTE) reviews from Paediatric Intensive Care Unit (PICU) and the association with Food Allergy (FA) at Great North Children's Hospital (GNCH), Newcastle, UK: Part 2
Dean H.J.1, McKean M.2, Gardner J.2, Pentland J.2, Vance G.1, Gennery A.1, Michaelis L.J.2
1Newcastle University, Medical School, Newcastle upon Tyne, United Kingdom, 2Great North Children's Hospital, Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom

1473 Revealing allergic diseases during the health status assessment in a child population
Khachapuridze D.1, Adamia N.1, Jorjoliani L.1, Ubrìia I.1, Gigauri T.1, Topuria D.2, Arakhamia T.2, Saginadze L.2, Chkhaidze N.2, Gogodze N.2
1Kutaisi A.Tsereteli State University, Kutaisi, Georgia, 2Tbilisi State Medical University, Tbilisi, Georgia, 3Tbilisi State University, Tbilisi, Georgia, 4Center for Allergy, Tbilisi, Georgia, 5M.Iashvili Children Central Hospital, Tbilisi, Georgia

1474 Training conditions of pupils with chronic respiratory diseases from pre-university institutions
Cazacu-Stratu A.1, Fritipuleac G.1, Selevestru R.1, Șciuca S.1
1State Medical and Pharmaceutical University, Chisinau, Republic of Moldova

1475 An evaluation of sleep quality and prevalence of restless leg syndrome in adolescence allergic rhinitis
Bilgilisoy Filiz M.1, Filiz S.2, Baran R.T.3, Çakır T.1, Koldaş Ş.4, Parlık M.2, Toraman N.F.1
1Antalya Education and Research Hospital, Physical Therapy&Rehabilitation, Antalya, Turkey, 2Antalya Education and Research Hospital, Pediatric Allergy&Immunology, Antalya, Turkey, 3Antalya Education and Research Hospital, Pediatric Endocrinology, Antalya, Turkey

1476 Mould sensitisation in the Belgian population and in a group of asthmatics and analysis of the potential association between sensitisation, asthma severity and mould contamination
Vincent M.1, Michel O.2, Corazza F.2, Chasser C.1, Huynen K.1, Denis O.1
1Scientific Institute for Public Health, Immunology, Brussels, Belgium, 2Université Libre de Bruxelles, Brussels, Belgium

1477 The efficacy and safety of Cladosporium cladosporioides extract in diagnosing of Cladosporium cladosporioides allergy
Gu J.1, Wang R.1, Yin J.1, Wang L.1, Li H.1, Sun J.1, Wen L.1, Guan K.1, Qing M.1, Yue F.1, Cheng X.1
1Peking Union Medical College Hospital, Beijing, China

1478 Sensitisation to different groups of inhalants in a population from the south-eastern coast of Spain
Huertas-Amorós A.J.1, Ramírez-Hernández M.1, Mérida-Fernández C.1, Pajarón-Fernández M.J.1, Carreño-Rojo A.2
1University Hospital Complex of Cartagena, Allergy, Cartagena, Spain, 2University Complex of Cartagena, Allergy, Cartagena, Spain

1479 Aerobiology, allergenicity and biochemistry of Cyperaceae pollen in Lagos, Nigeria
Adeniyi T.1, Adenipekun P.A.1, Olowokudejo D.J.1
1University of Lagos, Department of Botany, Akoka, Nigeria

1480 Grass pollen counts in Madrid during 37 years. Changes in the tendencies of the total monthly concentration in May and June
Subiza J.1, Narganes M.J.1, Craciunesco C.1, Kilmajer J.1, 2Clinica Subiza, Madrid, Spain

1481 Aeropolinologic monitoring and distribution of allergoallergens in Western Georgia
Chkhaidze M.1, Gogoladze N.2
1National Institute of Allergology, Asthma & Clinical Immunology, Allergology and Immunology, Tskhaltubo, Georgia, 2Peoples Friendship University of Russia, Allergology and Immunology, Tskhaltubo, Georgia

1482 The epidemiological and immunological characteristics of allergic diseases in different ecological zones of Moldova and the criteria for monitoring the health of population
Andries L.1, Barba D.1, Turcanu A.1, Șciuca S.1
1State Medical and Pharmaceutical University, Chisinau, Republic of Moldova
1483 Lipidomic analysis of mattress dust from urban and rural schoolchildren in China
Yang Z.¹, Zhang J.², Zheng W.³, Li J.¹
¹The First Affiliated Hospital of Guangzhou Medical University, Department of Allergy and Clinical Immunology, Guangzhou, China, ²Chinese Academy of Inspection and Quarantine, Beijing, China

1484 Skin prick test of leaves, flowers and stems of Tribulus terrestris L.
Wang X.¹
¹Beijing Shijitan Hospital, Capital Medical University, Allergy Department, Beijing, China

1485 Allergen-reduction in dog fur after washing with a special allergen-reducing shampoo, as revealed with a standardised sampling method
Whiteman A.¹, Binmyr J.², Grönlund H.³, Gafvelin G.¹
¹Karolinska Institute, Clinical Neuroscience, Stockholm, Sweden

1486 Diagnostic performance of 3 dust mites extracts on allergic patients in the valles occidental area (Barcelona, Spain)
Izquierdo-Dominguez A.¹,², Castillo M.J.³, Viñas M.³, Hernandez N.¹, Ibero M.¹
¹Terrassa Hospital, Allergy Unit, Barcelona, Spain, ²Clinica Diagonal, Barcelona, Spain, ³Clinica Diagonal, Barcelona, Spain

1487 Identifying the predominant mite in Mexico’s Yucatan Peninsula
Celio Murillo R.¹,², Rodríguez Alvizar J.A.³, Juarez Anaya D.³
¹Benemerita Universidad Autonoma de Puebla, Alergologia e Inmunologia y Pediatra, Tehuacan, Mexico, ²Unidad de Medicina Integral, Alergologia e Inmunologia y Pediatra, Tehuacan, Mexico, ³Alergenos Rocel, Acarologia, Puebla, Mexico

1488 Sensitisation to mites and occupational allergens in Cuban bakers
Alvarez Castello M.¹, Castro Almarales R.L.², Mateo Morejón M.³, Leyva Marquez V.⁴, R Meli V.⁴, Barata H.⁵, Hinojosa M.⁶, Labrada Rosado A.³
¹University Hospital Calixto García, Havana, Cuba, ²National Center of Bioproducts, Bejucal, Cuba, ³National Center of Bioproducts, Allergens, Mayabeque, Cuba, ⁴University Hospital Calixto García, Allergens, Havana, Cuba, ⁵Diater Laboratories, Buenos Aires, Argentina, ⁶Hospital Ramon y Cajal, Barcelona, Spain

Temperature controlled laminar airflow reduces personal night-time exposure to airborne particles within the breathing zone in homes
Gore R.B.¹, Lindsley S.², Gore C.²
¹Cambridge University Hospitals NHS Foundation Trust, Respiratory Medicine, Cambridge, United Kingdom, ²Imperial College London, Paediatric Allergy, London, United Kingdom

1490 Effective treatment of severe protein loss in atopic dermatitis (SPLAD) by skin therapy only: a case-series study
Yoshida A.¹, Nomura I.¹, Saito M.¹, Ando T.¹, Hashimoto M.¹, Miyaji Y.¹, Inagaki S.¹, Natsumura O.¹, Yamamoto K.¹, Shoda T.¹, Narita M.¹, Ohya Y.¹
¹National Center for Child Health and Development, Tokyo, Japan

1491 Hypogammaglobulinemia in moderate-to-severe atopic dermatitis in children: risk factors
Ehlavel M.S.¹,², Bener A.B.³
¹Hamad Med Corp, Section of Ped Allergy-Immunology, Dept of Pediatrics, Hamad Med Corp, Doha, Qatar, ²Weill-Cornell Medical College, Doha, Qatar, ³Istanbul University, Dept of Biostatistics & Medical Informatics, Istanbul, Turkey

1492 Targeted therapy as a basic issue of atopic dermatitis’ management in patients
Derkach V.¹, Slavynskaya T.²³
¹Pacific State Medical University, Vladivostok, Russian Federation, ²People’s Friendship University of Russia, Moscow, Russian Federation, ³Institute of Immunophysiology, Moscow, Russian Federation

1493 How common food allergy in moderate-to-severe atopic dermatitis in children
Ehlavel M.S.¹,², Bener A.B.³
¹Hamad Med Corp, Section of Ped Allergy-Immunology, Dept of Pediatrics, Hamad Med Corp, Doha, Qatar, ²Weill-Cornell Medical College, Doha, Qatar, ³Istanbul University, Dept of Biostatistics & Medical Informatics, Istanbul, Turkey

Association between early childhood caries and eczema: results from the GUSTO study
Loo E.¹, Karunakaran B.², Un Lam C.², Tan P.T.³, Chan Y.H.³, Goh A.¹, Teoh O.H.⁴, Saw S.M.⁵, Kwek K.⁶, Godfrey K.M.⁷, Bever H.¹,²,¹¹, Chong Y.S.¹,²,¹¹, Lee B.W.¹,², Kramer M.S.¹,²,¹³,¹⁴, Shek L.P.-C.¹,²,¹¹, Hsu C.Y.¹,²,²,¹¹, GUSTO Study Group
¹Singapore Institute of Clinical Sciences, Singapore, Singapore, ²Faculty of Dentistry, National University of Singapore, Singapore, Singapore, ³Biostatistics Unit, Yong Loo Lin School of Medicine, National University Health System, Singapore, Singapore, ⁴KK Women’s and Children’s Hospital, Allergy Service, Department of Paediatrics, Singapore, Singapore, ⁵Respiratory Medicine, Department of Paediatrics, KK Women’s and Children’s Hospital, Singapore, Singapore, ⁶Saw Swee Hock School of Public Health, National University of Singapore, Singapore, Singapore, ⁷KK Women’s and Children’s Hospital, Department of Maternal Fetal Medicine, Singapore, Singapore, ⁸NIHR Southampton Biomedical Research Centre, University of Southampton and University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom, ⁹Medical Research
Council Lifecourse Epidemiology Unit, Southampton, United Kingdom, 10 Yong Loo Lin School of Medicine, National University of Singapore, Department of Paediatrics, Singapore, Singapore, 11 Khoo Teck Puat-National University Children's Medical Institute, National University Hospital, National University Health System, Singapore, Singapore, 12 Yong Loo Lin School of Medicine, National University of Singapore, Department of Obstetrics & Gynaecology, Singapore, Singapore, 13 McGill University Faculty of Medicine, Department of Epidemiology, Biostatistics and Occupational Health, Montreal, Canada, 14 McGill University Faculty of Medicine, Department of Pediatrics, Montreal, Canada

1495 The toll-like receptor 2 R753Q polymorphism in patients with atopic dermatitis with severe degree of skin colonisation by Staphylococcus aureus
Irina R.1, Rostem F.1, Yuryi T.1,2, Anton S.1,2, Albert R.3
1 Kazan Scientific Research Institute of Epidemiology and Microbiology, Kazan, Russian Federation, 2 Kazan State Medical University, Kazan, Russian Federation, 3 Kazan Federal University, Kazan, Russian Federation

1496 Atopic dermatitis
Khachapuridze D.1, Adamia N.2, Saginadze L.1, Ubiria I.2, Chikhladze M.1, Matoshvili M.2, Shonia S.1, Gugunishvili M.2, Chkhaidze N.2, Gogodze N.2
1 Kutaisi A.Tsereteli State University, Kutaisi, Georgia, 2 Tbilisi State Medical University, Tbilisi, Georgia, 3 A. M. Ishovlishi Children Central Hospital, Tbilisi, Georgia, “Center for Allergy & Immunology Research, Tbilisi, Georgia

1497 Refractory chronic spontaneous urticaria (RCSU) treated with anti-IgE: quality of life
Valle S.O.R.1, Levy S.A.P.1, Doritas Junior S.D.1,4, Abe A.T.2,3, France A.T.7
1 Federal University of Rio de Janeiro, Immunology, Rio de Janeiro, Brazil, 2 Hospital São Zacharias, Allergy Service, Rio de Janeiro, Brazil, 3 Hospital Universitario Clementino Fraga Filho, Internal Medicine, Rio de Janeiro, Brazil, 4 Universidade Iguacu, Internal Medicine, Nova Iguaçu, Brazil, 5 Universidade Federal do Rio de Janeiro, Internal Medicine, Rio de Janeiro, Brazil

1498 Etiologic role of helminthes in the genesis of urticarial rash
Chikhladze M.V.1,2, Sepialishvili R.I.2,3, Khachapuridze D.3, Gamkrelidze S.3
1 Institute of Allergology, Asthma and Clinical Immunology, Clinical Immunology, Tskhaltubo, Georgia, 2 Peopels Friendship University of Russia, Immunology and Allergology, Moscow, Russian Federation, 3 Institute of Allergology, Asthma and Clinical Immunology, Immunology and Allergology, Tskhaltubo, Georgia

1499 Evaluation of autoimmunity in patients with chronic idiopathic Urticaria in Kurdistan province
Pabeti Mohghadam K.1, Nasiri Kalmarzi R.2, Fotoohi A.1, Kooti W.1, Kashfi H.1
1 Student Research Committee, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 2 Cellular & Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of

1500 Autologous serum skin testing and thyroid disease in patients with recalcitrant chronic urticaria
Mello M.1, Pereira A.R.F.1, Pacheco R.D.R.1, Kaill J.1, Mota A.A.1, Agondi R.C.1
1 University of São Paulo, Clinical Immunology and Allergy Division, São Paulo, Brazil

1501 Autologous serum test in children with urticaria
Ceval Murillo R.1,2, Rodríguez Santos O.3, Cruz Suarez M.A.3, Laurrabaquio Miranda A.M.3
1 Benemerita Universidad Autonoma de Puebla, Alergologia e Immunologia y Pediatra, Tehuacan, Mexico, 2 Unidad de Medicina Integral, Alergologia e Immunologia y Pediatra, Tehuacan, Mexico, 3 Policlínico Previsora, Alergologia e Immunologia y Pediatra, Camaquey, Cuba, “Centro Medico de Especialidades S.A de C.V. Ciudad Juarez, Alergia e Immunologia, Ciudad Juarez, Mexico, 4 Hospital Regional Lic. Adolfo Lopez Mateos ISSSTE, Alergologia e Immunologia y Pediatra, Ciudad de Mexico, Mexico

Hereditary angioedema: follow up of C1Inh deficiency (Type I-II) patients with long term prophylaxis. (COBRA registry)
Bouillet L.1,2, Bouccon-Gibod L.1,2, Pagnier A.4, Gompel A.3, Floccard B.6, Laurent J.7, Martin L.8, Blanchard-Delaunay C.2, Launay D.9, Fain O.1,1, Du-Than A.1, Gayet S.1,1, Sobel A.1, Ollivier Y.2,1, Jeandel P-Y.1,1, Pelletier F.1,1, COBRA’s Investigators
1 Grenoble Alpes University Hospital, Grenoble, France, 2 National Reference Centre for Angioedema, Internal Medicine Department, CHU Grenoble Alpes, Univ. Grenoble Alpes, Internal Medicine Department, Grenoble, France, 3 National Reference Centre for Angioedema, Internal Medicine Department, CHU Grenoble Alpes, Univ. Grenoble Alpes, Grenoble, France, 4 National Reference Centre for Angioedema, CHU Grenoble Alpes, Pediatrics, Grenoble, France, 5 National Reference Center for Angioedema, Gynecology & Endocrinology, Paris-Cochin, France, 6 National Reference Center for Angioedema, Lyon, France, 7 National Reference Center for Angioedema, Paris, France, 8 National Reference Center for Angioedema, Dermatology, Angers, France, 9 National Reference Center for Angioedema, Internal Medicine Department, Niort, France, 10 National Reference Center for Angioedema, Internal Medicine Department, Lille, France, 11 National Reference Center for Angioedema, Internal Medicine Department, Paris-Saint Antoine, France, 12 National Reference Center for Angioedema, Dermatology, Montpellier, France, 13 National Reference Center for Angioedema, Internal Medicine Department, Marseille, France, 14 National Reference Center for Angioedema, Caen, France, 15 National Reference Center for Angioedema, Nice, France, 16 National Reference Center for Angioedema, Besançon, France

Recurrent angioedema: diagnostic challenges from a single-centre cohort study
Triggianese P.1, Guarino M.D.1, Pellicano C.1, Greco E.1, Modica S.1, Perricone R.1
1 University of Rome Tor Vergata, Department of ‘Medicina dei Sistemi’, Rheumatology, Allergology and Clinical Immunology, Rome, Italy
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<td><strong>1504</strong> High cord blood CCL2/2/CXCL10 chemokine ratios precede allergic sensitisation in early childhood&lt;br&gt;Yeh K.-W.1, Chiu C.-Y.2, Su K.-W.3, Huang J.-L.4, PATCHStudyGroup 1511&lt;br&gt;1Chang Gung Memorial Hospital, Pediatrics, Taoyuan, Taiwan, Province of China, 2Chang Gung Memorial Hospital at Keelung, Pediatrics, Keelung, Taiwan, Province of China</td>
<td>Institute of Allergology, Asthma &amp; Clinical Immunology, Allergology and Immunology, Tsukuba, Japan</td>
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<td><strong>1505</strong> α-Gal epitope on protein surface decreases transcytosis through Caco-2 monolayer&lt;br&gt;Pejovic M.1,2, Apostolovic D.1, Grundström J.1, Thu Tran T.A.1, Cirkovic Velickovic T.2, Hamsten C.1, van Hage M.1,2</td>
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<td><strong>1506</strong> The acute stress hormone adrenaline complexed with Fe3+ interacts with Bet v 1, the lipocalin-like birch allergen&lt;br&gt;Gotovina J.1, Roth-Walter F.1, Bianchini R.1, Hofstetter G.1, Glenk L.-M.1, Pacios L.2, Jensen-Jarolim E.1,3</td>
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<td><strong>1507</strong> The role of immunoglobulin E antibodies in protection against Plasmodium falciparum&lt;br&gt;Bairam R.1, Taha R.2</td>
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<td><strong>1508</strong> Allergenicity of recombinant Der f 23 and Der p 23 among mite-sensitised patients in Korea&lt;br&gt;Yi M.1, Kim C.-R.1, Jeong K.Y.2, Yong T.-S.1</td>
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<td><strong>1509</strong> IL4R gene expression in peripheral blood mononuclear cells with regard to place of living and atopic status&lt;br&gt;Danieliewicz H.1, Dębińska A.1, Drabik-Chamerska A.1, Kalita D.1, Boznanski A.1</td>
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<td><strong>1510</strong> Evaluation of spierometry parameters and monitoring of immunological data in patients with psycho-social problems&lt;br&gt;Chikhladze M.1, Sepiashvili R.I.2, Khachapuridze D.2, Gamkrelidze S.1,2</td>
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Posters: 12 June 2016, 12:00 – 13:30

1519 The epidemiological and clinical evolution features of allergic diseases associated with parasitic invasion in population of Republic Moldova
Andries L.1, Barba D.1, Turcanu A.1, Sciurca S.1
1State Medical and Pharmaceutical University, Chisinau, Republic of Moldova

1520 Age-related increase of interferon a2 production across life cycle and association to viral infections
Georgountzou A.1, Kokkinou D.1, Taka S.1, Maggina P.1, Kourkouni E.2, Stamatakis S.3, Douladiris N.1, Xepapadakis P.1, Soldatou A.4, Papaevangelou V.3, Tsolia M.3, Papadopoulos N.G.1
1National and Kapodistrian University of Athens, 2nd Department of Pediatrics, Unit of Allergy and Clinical Immunology, ‘P. & A. Kyriakou’ Children’s Hospital, Athens, Greece, 2Collaborative Center for Clinical Epidemiology and Outcomes Research (CLEO), Non-profit Civil Partnership, Athens, Greece, 3National and Kapodistrian University of Athens, 3rd Department of Pediatrics, General University Hospital ‘ATTIKON’, Athens, Greece

1521 Incidence of rash after antibiotic treatment in children with Epstein Barr virus infection
Dibek Misirlioglu E.1, Guvenir H.1, Ozkaya Parlakay A.2, Toyran M.1, Tezer H.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 Training and Research Hospital, Department of Pediatric Infectious Diseases, Ankara, Turkey

1522 A probiotic-based therapeutic approach to fight hand, foot and mouth disease
Tham E.1,2, Ang L.Y.3, Too H.K.2, Shek L.P.C.4, Alonso S.3
1Khoo Teck Puat-National University Children’s Medical Institute, National University Health System, Department of Paediatrics, Singapore, Singapore, 2Yong Loo Lin School of Medicine, National University of Singapore, Department of Paediatrics, Singapore, Singapore, 3Yong Loo Lin School of Medicine, National University of Singapore, Microbiology, Singapore, Singapore, 4Khoo Teck Puat-National University Children’s Medical Institute, National University Health System, Singapore, Department of Paediatrics, Singapore, Singapore
Monday 13 June

Poster Session (TPS 19) – Management and alternatives in drug allergy

Chairs: Lene Heise Garvey, Denmark
                    Marina Atanaskovic-Markovic, Serbia

890  A single day desensitization protocol for iron salts: a case report
     De Vicente Jiménez T.M.1, Montoro de Francisco A.M.2, Méndez Fernández M.J.3, Prats Olíván P.4
     1Hospital Central de la Defensa, IMDEF, Allergology and Clinical Immunology, Madrid, Spain, 2Hospital Central de la Defensa, Hospital Pharmacist, Madrid, Spain, 3Hospital Central de la Defensa, IMDEF, Pharmacology, Madrid, Spain

891  Successful desensitization protocol with Linezolid
     Demirturk M.1, Isik S.R.1, Kiskac M.2
     1Yedikule Chest Diseases and Surgery Research and Training Hospital, Istanbul, Turkey, 2Bezmialem Vakif University, Istanbul, Turkey

892  Immediate reaction to omeprazole. Management in Helicobacter pylori gastritis
     Laguna Martínez J.J.1,2, Gonzalez-Mendiola R.1, Boteanu C.1, Dionicio Elera J.1, Jimenez Blanco A.1, Moral Morales A.1, Del Pozo M.1, Kasinskaite S.1, Olazabal I.3
     1Allergy Unit, Hospital Central Cruz Roja, Madrid, Spain, 2Faculty of Medicine, Alfonso X El Sabio University, Madrid, Spain, 3Vilnius University Faculty of Medicine, Center of Pulmonology and Allergology, Vilnius, Lithuania

893  Successful desensitization of a delayed type local hypersensitivity reaction due to anakinra
     Coskun R.1, Toz B.1, Demir S.1, Unal D.1, Gelincik A.1, Colakoglu B.1, Buyukozturk S.1
     1Istanbul University Istanbul Faculty of Medicine, Immunology and Allergy, Istanbul, Turkey, 2Istanbul University Istanbul Faculty of Medicine, Division of Allergy, Istanbul, Turkey

894  Is Gadolinium a safe alternative to iodinated contrast agent allergy? A case report
     Yesilik S.1, Selcuk A.1, Kartal O.1, Baysan A.2, Demirel F.1, Güleç M.1, Musabak U.1, Sener O.1
     1GATA School of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Ankara, Turkey, 2GATA School of Medicine, Department of Internal Medicine, Division of Immunology and Allergy, Istanbul, Turkey

Use of omalizumab as preventive treatment in a carboplatin’s desensitization
     Garcia-Campos J.1, Perez-Padilla C.I.1, Posadas-Miranda T.1, Requena-Quesada G.1, Campos-Suarez G.1, De la Higuera Artesero R.1
     1Hospital Vithas Xanit International, Allergy, Benalmádena, Spain

Successful desensitization to vitamin d in vitamin D deficiency
     Unal D.1, Coskun R.1, Demir S.1, Gelincik A.1, Colakoglu B.1, Buyukozturk S.1
     1Istanbul University, Department of Internal Medicine Division of Allergy, Istanbul, Turkey

Clinical features of ranitidine induced immediate hypersensitivity and their cross reactivity
     Choi G.-S.1, Nam Y.-H.1, Kim M.Y.3, Yoon S.Y.4, Park C.-S.5
     1Kosin University College of Medicine, Busan, Korea, Republic of, 2Dong-a University School of Medicine, Busan, Korea, Republic of, 3Busan Paik Hospital, Inje University College of Medicine, Busan, Korea, Republic of, 4Kunkuk university Chungju Hospital, Chungju, Korea, Republic of, 5Inje University College of Medicine, Busan, Korea, Republic of

Shrimp and iodinated contrast media allergy: myth or reality?
     Marcelino J.1, Carvalho S.1, Duarte F.1, Costa A.C.1, Pereira Barbosa M.1
     1Hospital Santa Maria, Lisbon Academic Medical Center, CHLN, Immunoallergology University Department, Lisbon, Portugal

Is “Iodine Allergy” a contraindication to iodinated contrast media? The spread of a myth
     Carvalho S.1, Marcelino J.1, Cabral Duarte F.1, Costa A.C.1, Pereira Barbosa M.1
     1Hospital Santa Maria, Lisbon Academic Medical Center, CHLN, Immunoallergology University Department, Lisbon, Portugal

Risk factors associated with cardiac arrest and death in hospitalized patients due to anaphylaxis during the period 1998-2011
     Gonzalez Moreno A.1, Nieto A.1, Vargas W.1, Farias E.1, Macias J.1, Cordova G.1, Jimenez C.1, Peña Y.1, Tejedor M.A.1
     1Hospital Universitario Fundación Alcorcón, Alergología, Madrid, Spain

Poster Session (TPS 20) – Delayed drug reactions

Chairs: Laura Losappio, Italy

901  Generalized fixed drug eruption induced by fluconazole: lymphocyte transformation test and measurement of intracellular cytokines secretion confirm the diagnosis
     Demir S.1, Aktas-Cetin E.2, Unal D.1, Coskun R.1, Olgac M.1, Gelincik A.1, Colakoglu B.1, Buyukozturk S.1
     1Istanbul University Istanbul Faculty of Medicine, Immunology and Allergy Disease Division of Internal Medicine, Istanbul, Turkey, 2Istanbul University, Institute of Experimental Medicine, Istanbul, Turkey
Oxcarbazepine-induced Stevens-Johnson syndrome: a report

905 Exudative erythema multiforme caused by acenocoumarol
Raducan I.1, El-Outob Lopez D.1
1Hospital La Plana, Vila Real, Spain

906 Generalized exanthematous pustulosis induced by ambroxol
Marchán Martin E.1, Martínez San Ireneo M.1, Tapia De Pedro G.1, Villalba Díaz E.1, Rubial Carvajal G.1, Senent Sánchez C.1
1Hospital Virgen del Valle, Toledo, Spain

907 Fixed drug eruption due to unrelated antibiotics
Jiménez Blanco A.1, Dícionio-Elera J.1, González-Mendiola R.1, Boteanu C.1, Rubio-Matos A.2, Madrigal-Burgaleta R.2, Herranz-Mañas M.1, Laguna Martínez J.J.1,2,3
1Hospital Central de la Cruz Roja San José y Santa Adela, Allergy Unit, Madrid, Spain, 2Hospital Universitario Ramón y Cajal, Allergy Division, Madrid, Spain, 3Alfonso X El Sabio University, Faculty of Medicine, Madrid, Spain

908 Oxcarbazepine-induced Stevens-Johnson syndrome: a pediatric case report
Beken B.1, Can C.1, Atçü A.2, Can N.3, Yazıcıoğlu M.1
1Trakya University, Pediatric Allergy and Immunology Department, Edirne, Turkey, 2Trakya University, Department of Pediatrics, Edirne, Turkey, 3Trakya University, Department of Pathology, Edirne, Turkey

909 Acute generalized exanthematous pustulosis associated with amoxicillin and clavulanate – a case report
Finelli E.1, Pinto N.1, Amaro C.2, Prates S.1, Paiva M.1, Leiria Pinto P.1
1Dono Estefânia Hospital, CHLC - EPE, Immunologyallergy Department, Lisbon, Portugal, 2CUF-Descobertas Hospital, Dermatology Unit, Lisbon, Portugal

Drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome induced by rheumatological drugs

910 Maculatytie1, Korsakien Z.1, Blaziene A.1, Cerniauskas K.1, Kvedariene V.1
1Vilnius University, Center of Pulmonology and Allergology, Vilnius, Lithuania

Delayed reaction due to interferon-a 2b controlled by premedication with oral antihistamines

911 Giangrande N.1, Gonzalo-Garjo M.Á.1, Pérez-Calderón R.1, Mahecha-García A.C.1, Chiarella-Privette G.M.1
1Infanta Cristina University Hospital, Allergology, Badajoz, Spain

Contact dermatitis caused by a hair dye: a case report
Kuon Yenq Escalante C.1, Navarro Palacios E.1, Cherrez A.2,3, Cherrez Ojeda L.1,4
1Universidad Espeírito Santo, Samborondón, Ecuador, 2Heidelberg University, Heidelberg, Germany, 3Respiralab, Guayaquil, Ecuador, 4Universidad de Especialidades Espíritu Santo, Samborondón, Ecuador

912 Snedden Wilkinson disease: differential diagnosis issues with acute generalized exanthematous pustulosis. A case report
Sarbu M.1, Tamba M.2, Mitran M.-I.1, Mitran C.-I.1, Limbou R.1, Matei C.2, Benea V.1, Georgescu S.-R.2
1Victor Babes Hospital, Dermatology, Bucharest, Romania, 2Carol Davila University of Medicine and Pharmacy, Dermatology, Bucharest, Romania

Rare case report of contact hypersensitivity to parabens and glucocorticoids

913 Rojas J.1, Sosa F.2, Palma V.2, Guzmán M.A.2
1Universidad de Chile / Hospital Clínico Universidad de Chile, Alergias, Inmunología y VIH (Allergy, Clinical Immunology and HIV), Santiago, Chile, 2Hospital Clinico Universidad de Chile, Alergias, Inmunología y VIH (Allergy, Clinical Immunology and HIV), Santiago, Chile

Acute generalized exanthematous pustulosis: common features in two cases induced by different antibiotics

914 Gkavogiannakis N.1, Karamagkialis I.1, Aggelides X.1, Chilva C.1, Makris M.1, Rigopoulos D.1
1Drug Allergy Outpatient Clinic, Allergy Unit 'D.Kalogeromitros', Medical School, National and Kapodistrian University of Athens, Attikon University Hospital, 2nd Dpt of Dermatology and Venerology, Athens, Greece

Pityriasis lichenoides chronica after tetanus reimmunization

915 Darlenksi P.1, Zheleva D.1
1Tokuda Hospital Sofia, Sofia, Bulgaria

Codeine-induced acute generalized exanthematous pustulosis: an unusual case

916 Chaabane A.1, Chadli Z.1, Laadhari C.1, Ben Fredj N.1, Boughattas N.1, Aouam K.1
1Bank Hannsagroth Medical School, National and Kapodistrian University of Athens, Attikon University Hospital, 2nd Dpt of Dermatology and Venerology, Athens, Greece

917 Stevens Johnson syndrome after cephalaxin use: a case report
Moreira M.R.C.1, Nolasco C.M.1, Miranda P.C.B.1, Pagani M.V.1
1Hospital Municipal Miguel Couto, Rio de Janeiro, Brazil

Contact dermatitis caused by a hair dye: a case report

918 Kuon Yenq Escalante C.1, Navarro Palacios E.1, Cherrez A.2,3, Cherrez Ojeda L.1,4
1Universidad Espeírito Santo, Samborondón, Ecuador, 2Heidelberg University, Heidelberg, Germany, 3Respiralab, Guayaquil, Ecuador, 4Universidad de Especialidades Espíritu Santo, Samborondón, Ecuador

Sneddon Wilkinson disease: differential diagnosis issues with acute generalized exanthematous pustulosis. A case report

919 Sarbu M.1, Tamba M.2, Mitran M.-I.1, Mitran C.-I.1, Limbou R.1, Matei C.2, Benea V.1, Georgescu S.-R.2
1Victor Babes Hospital, Dermatology, Bucharest, Romania, 2Carol Davila University of Medicine and Pharmacy, Dermatology, Bucharest, Romania

Rare case report of contact hypersensitivity to parabens and glucocorticoids

920 Rojas J.1, Sosa F.2, Palma V.2, Guzmán M.A.2
1Universidad de Chile / Hospital Clínico Universidad de Chile, Alergias, Inmunología y VIH (Allergy, Clinical Immunology and HIV), Santiago, Chile, 2Hospital Clinico Universidad de Chile, Alergias, Inmunología y VIH (Allergy, Clinical Immunology and HIV), Santiago, Chile

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1Bank Hannsagroth Medical School, National and Kapodistrian University of Athens, Attikon University Hospital, 2nd Dpt of Dermatology and Venerology, Athens, Greece

924 Stevens Johnson syndrome after cephalaxin use: a case report
Moreira M.R.C.1, Nolasco C.M.1, Miranda P.C.B.1, Pagani M.V.1
1Hospital Municipal Miguel Couto, Rio de Janeiro, Brazil
919 The association between chronic diseases in childhood and chlamidia infection
Kamenov A.¹, Kamenov B.², Tosić M.³, Vidanovic I.⁴
¹Clinical Center Nis, Nis, Serbia, ²Medical Faculty, University of Nis, Nis, Serbia, ³Health Center Nis, Nis, Serbia, ⁴Health Center Nis, department of pulmology, Nis, Serbia
920 Evaluation of level of total IgE in Mycoplasma pneumoniae infection in children with respiratory tract diseases
Sciucu S.¹, Neamtu L.¹, Selevestru R.¹
¹State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova
921 Immunoglobulin levels of IgA, IgM, IgG in children with bronhopulmonary diseases caused by Mycoplasma pneumoniae and Mycoplasma hominis infection
Neamu L.¹, Sciucu S.¹
¹State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova
922 Corticosteroid use in the management of a pediatric erythema multiforme minor case related to mycoplasma pneumonia
Ercan N.¹, Ozen S.²
¹Dr Sami Ulus Obstetrics, Children’s Health and Diseases Training and Research Hospital, Department of Pediatric Immunology and Allergy, Ankara, Turkey, ²Dr Sami Ulus Obstetrics, Children’s Health and Diseases Training and Research Hospital, Pediatric Allergy and Immunology, Ankara, Turkey
923 Humoral immunological reactions in cystic fibrosis patients with Ps. aeruginosa pulmonary chronic infection
Balantchi L.¹, Grigore C.¹, Cotoman A.¹, Sciucu S.¹
¹State Medical and Pharmaceutical University, Chisinau, Republic of Moldova
924 Effect of fermented milk with Lactobacillus paracasei CBA L74 on gastrointestinal and respiratory infections in children: multicenter randomized controlled trial
Nocerino R.¹, Corsello G.², Carta M.², Marinello R.³, Picca M.⁴, De Marco G.¹, Micillo M.¹, Ferrara D.³, Vigneri P.³, Cecere G.¹, Ferri P.¹, Roggero P.¹, Bedogni G.⁴, Mosca F.⁴, Berni Canani R.¹,²,⁹,¹⁰
¹University of Naples, Department of Translational Medical Science, Naples, Italy, ²University of Palermo, Operative Unit of Pediatrics and Neonatal Intensive Therapy, Mother and Child Department, Palermo, Italy, ³Federazione Italiana Medici Pediatri Lombardia, Milan, Italy, ⁴Pediatric Society of Primary Health Care (SCiUPP), Milan, Italy, ⁵University of Palermo, Department of Sciences for Health Promotion and Mother and Child Care, Palermo, Italy, ⁶Family Pediatrician, Palermo, Italy, ⁷University of Milan, Department of Clinical Science and Community Health, Neonatal Intensive Care Unit, Fondazione IRCCS Ca’ Granda Ospedale Maggiore Policlinico, Milan, Italy, ⁸Clinical Epidemiology Unit, Liver Research Center, Basovizza, Trieste, Italy, ⁹University of Naples ‘Federico II’, European Laboratory for the Investigation of Food Induced Diseases (ELFID), Naples, Italy, ¹⁰University of Naples ‘Federico II’, CEINGE – Advanced Biotechnologies, Naples, Italy
925 Real life management of RSV bronchiolitis in polish children and comparison with existing practice guidelines
Sosnowska J.¹, Konarska Z.², Feleszko W.³
¹Medical University of Warsaw, Department of Paediatrics, Warszawa, Poland, ²Medical University of Warsaw, Department of Pediatric Pneumology and Allergy, Warszawa, Poland
926 Association of viral infections with allergic manifestations in adults
Chopvay V.¹, Zubchenko S.², Valentyna C.¹
¹Lviv National Medical University, Clinical Immunology and allergy, Lviv, Ukraine, ²Danylo Halytsky Lviv National Medical University, Department of Clinical Immunology and Allergology, Lviv, Ukraine
927 Cytomegalovirus infections as a frequent cause of respiratory system disorders in school children
Vidanovic I.¹, Tosić M.², Kamenov A.¹, Kamenov S.³, Kamenov B.⁴
¹Clinical Center Nis, Nis, Serbia, ²Health Center Nis, Nis, Serbia, ³Health Center Nis, department of pulmology, Nis, Serbia, ⁴Medical Faculty, University of Nis, Nis, Serbia
928 Mathematical modeling and image analysis: possible clinical application in practice as a predictor of fungal rhinosinusitis
Barac A.¹, Pekmezovic M.¹, Rajkovic K.², Rakcevic Z.³, Janovic A.³, Bracanovic D.¹, Stosovic R.¹, Tomic Spiric V.¹
¹Institute of Microbiology and Immunology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia, ²High Chemical and Technological School for Professional Studies, Krusevac, Serbia, ³Center for Radiological Diagnostics, School of Dentistry, University of Belgrade, Belgrade, Serbia, ⁴Clinic for Allergology and Clinical Immunology, Clinical Centre of Serbia, Belgrade, Serbia, ⁵Faculty of Medicine, University of Belgrade, Belgrade, Serbia
929 Urticaria: the first manifestation of ocular filariasis
Serbu A.E.¹, Bengus C.¹, Dumea E.¹, Anghelie A.¹, Sarbu M.², Tampà M.², Georgescu S.-R.², Popa S.³
¹I Care Clinic, Ophthalmology, Bucharest, Romania, ²Victor Babes Hospital, Dermatology, Bucharest, Romania, ³Emergency Eye Hospital, Ophthalmology, Bucharest, Romania
930 Differences in airway microbiome between eosinophilic asthma and chinosinusitis with nasal polyposis
Lee J.S.¹, Kim J.-H.², Jang Y.-S.³, Park S.³, Hwang Y.I.², Jang S.H.², Jung K.-S.²
¹Hallym University College of Medicine, Department of Otorhinolaryngology, Anyang, Korea, Republic of, ²Hallym University College of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine, Department of Medicine, Anyang, Korea, Republic of
**Microbial communities in the upper respiratory tract (URT) children with atopic bronchial asthma (BA)**
Bulgaikova V.A.1, Eliseeva T.I.2, Babalokhin I.I.3
1 Scientific Centre of Children Health, Moscow, Russian Federation; 2 Children’s Hospital, Nizhny Novgorod, Russian Federation; 3 Scientific Centre of Children Health, Institute of Pediatrics, Moscow, Russian Federation

**Developing a multi-species probiotic platform for food intolerance**
Heath M.D.1, Besseling van der Vaart I.2, Guagni F.3, Kramer M.F.4
1 Allergy Therapeutics PLC., Worthing, United Kingdom; 2 Linclove B.V, Amstterdam, The Netherlands; 3 Allergy Therapeutics Italia Srl, Worthing, United Kingdom; 4 Bencard Allergie GmbH, Munich, Germany

**Whole genome methylation patterns in circulating CD4+ cells of infants participating in a probiotic intervention study**
Huoman J.1, Forsberg A.1, Bhai Mehta R.1, Ernerudh J.2, Björkstén B.3, Abrahamsson T.4, Jennum M.2
1 Linköping University, Department of Clinical and Experimental Medicine, Division of Neuro and Inflammation Science, Unit of Autoimmunity and Immune Regulation, Linköping, Sweden; 2 Linköping University, Department of Clinical and Experimental Medicine, Division of Neuro and Inflammation Science, Unit of Autoimmunity and Immune Regulation, Linköping, Sweden; 3 Karlstinska Institute, Institute of Environmental Medicine, Stockholm, Sweden; 4 Linköping University, Department of Clinical and Experimental Medicine, Division of Pediatrics, Linköping, Sweden

**Gene expression profile in patients with NSAIDs-exacerbated cutaneous disease**
Cornejo-García J.A.1, Perkins J.R.1, Blanca-López N.2, Pérez-Alzate D.2, Doña I.2, Jurado-Escobar R.1, Boças G.2, Torres M.J.3, Canto G.2, Blanca M.3
1 IBIMA-Regional University Hospital of Malaqa-UMA, Research Laboratory, Malaga, Spain; 2 Infanta Leonor University Hospital, Allergy Service, Madrid, Spain; 3 IBIMA-Regional University Hospital of Malaqa-UMA, Allergy Unit, Malaga, Spain

**Correlations between patients with allergic diseases and indoor microorganisms**
Wen X.1, Loo J.2, Yuan Y.1, Li Y.1, Huang S.1, Sun B.2
1 Guangzhou Medical University, Guangzhou, China; 2 State Key Laboratory of Respiratory Disease, Guangzhou City, China

**Adenoid hypertrophy and its influence on immunity and microbiome of upper airways in children undergoing adenoidectomy**
Jesenak M.1, Bugova G.2, Uhliarova B.3, Banovcin P.1, Babusikova E.4
1 Comenius University in Bratislava, Jessenius Faculty of Medicine in Martin, Department of Paediatrics, Martin, Slovakia; 2 Comenius University in Bratislava, Jessenius Faculty of Medicine in Martin, Department of Otorhinolaryngology, Head and Neck Surgery, Martin, Slovakia; 3 FD Roosevelt Teaching Hospital, Department of Otorhinolaryngology, Banska Bystrica, Slovakia; 4 Comenius University in Bratislava, Jessenius Faculty of Medicine in Martin, Department of Medical Biochemistry, Martin, Slovakia

**Frequency of the functional polymorphism, C-159T, in the promoter region of CD14 gene in Iranian patients with allergic rhinitis**
Mohammadi M.1, Farid Hosseini R.1, Jabbari Azad F.1, Zare Marzouni H.2, Khoshkhui M.1, Tavakol Afshari J.2, Nikpoor A.R.3, Davarpanah Tanha Gochan M.4
1 Allergy Research Center, School of Medicine, Mashhad University of Medical Sciences, Immunology, Mashhad, Iran, Islamic Republic of; 2 Medical School, Mashhad University of Medical Sciences, Immunology, Mashhad, Iran, Islamic Republic of; 3 Immunology Research Center, Mashhad University of Medical Sciences, Mashhad, Iran, Islamic Republic of; 4 School of Medicine, Mashhad University of Medical Sciences, Immunology, Mashhad, Iran, Islamic Republic of

**Lack of association between PDCD-1 single nucleotide polymorphisms and susceptibility to juvenile idiopathic arthritis**
Mahmoudi M.1, Rezaei-Nezhad A.1, Harsini S.2, Salmaninejad A.1, Parsi S.1, Bahrami T.1, Ziaee V.1, Rezaei N.2,3,4
1 Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of; 2 Tehran University of Medical Sciences, Research Center for Immunodeficiencies,
941 Polymorphisms of genes encoding interleukin-4 and its receptor in Iranian patients with juvenile idiopathic arthritis
Ziaee V.1, Rezaei A.1, Harsini S.2, Maddah M.1, Zoghi S.1, Sadr M.1, Moradinejad M.H.1, Rezaei N.1,2,3,4
1Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of, 2Tehran University of Medical Sciences, Research Center for Immunodeficiencies, Children’s Medical Center Hospital, Tehran, Iran, Islamic Republic of, 3Technical University of Munich and Helmholtz Centre Munich, Department of Immunology, School of Medicine, Tehran, Iran, Islamic Republic of, 4Tehran University of Medical Sciences, Molecular Immunology Research Center, School of Medicine, Tehran, Iran, Islamic Republic of

942 Association of tumor necrosis factor-alpha G/A -238 and G/A -308 single nucleotide polymorphisms with juvenile idiopathic arthritis
Maddah M.1, Harsini S.2, Ziaee V.1, Moradinejad M.H.1, Tahghighi F.1, Rezaei A.1, Zoghi S.1, Sadr M.1, Aghighi Y.1, Rezaei N.1,2,3,4
1Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of, 2Tehran University of Medical Sciences, Research Center for Immunodeficiencies, Children’s Medical Center Hospital, Tehran, Iran, Islamic Republic of, 3Technical University of Munich and Helmholtz Centre Munich, Department of Immunology, School of Medicine, Tehran, Iran, Islamic Republic of, 4Tehran University of Medical Sciences, Molecular Immunology Research Center, School of Medicine, Tehran, Iran, Islamic Republic of

943 Association study of childhood food allergy in the Japanese population with GWAS-discovered loci of atopic dermatitis
Hirota T.1, Tamari M.1, Kubo M.1, Sato S.2, Yanagida N.2, Ebisawa M.2, Imai T.1, Sakashita M.4, Fujieda S.4
1RIKEN, Yokohama, Japan, 2Sagamihara National Hospital, Sagamihara, Japan, 3Showa University School of Medicine, Tokyo, Japan, 4University of Fukui, Fukui, Japan

944 Genome-wide association study unravels genetic determinants of the atopic march
1Charité Medical Faculty and Max-Delbrueck-Center for Molecular Medicine, Experimental and Clinical Research Center, Berlin, Germany, 2Max-Delbrueck-Center for Molecular Medicine, Berlin, Germany, 3St George’s, University of London, London, United Kingdom, 4University of Bern, Bern, Switzerland, 5University Hospital Schleswig-Holstein, Kiel, Germany, 6Inserm and Université Paris Diderot, Paris, France, 7Karolinska Institutet, Stockholm, Sweden, 8University of Groningen, Groningen, The Netherlands, 9Ludwig Maximilians University, Munich, Germany, 10University of Western Australia, Perth, Australia, 11University of Melbourne, Melbourne, Australia, 12Children’s Hospital of Philadelphia, Philadelphia, United States, 13University Children’s Hospital Regensburg, Regensburg, Germany, 14University of Bristol, Bristol, United Kingdom, 15University Medicine Greifswald, Greifswald, Germany, 16Ernst-Moritz-Arndt-University Greifswald, Greifswald, Germany, 17Swiss Tropical and Public Health Institute and the University of Basel, Basel, Switzerland, 18QIMR Berghofer Medical Research Institute, Brisbane, Australia, 19University of Sydney, Sydney, Australia, 20Murdoch Children’s Research Institute, Melbourne, Australia, 21Sir Charles Gairdner Hospital, Perth, Australia, 22University of Pennsylvania, Philadelphia, United States, 23Christian-Albrechts-University zu Kiel, Kiel, Germany, 24Helmholtz Zentrum München, Neuherberg, Germany, 25University of Cologne, Cologne, Germany, 26Charité University Medical Center Berlin, Berlin, Germany, 27University of Würzburg, Würzburg, Germany, 28University of Bonn, Bonn, Germany, 29University of Queensland, Brisbane, Australia, 30Université du Québec à Chicoutimi, Saguenay, Canada, 31Research Institute of Medical Genetics, Tomsk, Russian Federation, 32Ulm University, Ulm, Germany, 33Sachs’ Children’s Hospital, Stockholm, Sweden

945 Bisphenol A exposure, DNA methylation, and childhood atopic disorders
Wang I.-J.1,2,3, Huang K.-X.4
1Taipei Hospital, Ministry of Health and Welfare, Department of Pediatrics, Taipei, Taiwan, 2National Yang-Ming University, Taipei, Taiwan, 3China Medical University, Taichung, Taiwan, 4Taipei Hospital, Ministry of Health and Welfare, Department of Laboratory Medicine, Taipei, Taiwan

946 Bisphenol A, oxidative stress-related genetic variants and allergic diseases
Wang I.-J.1,2,3, Lin T.-J.4, Lin Y.-Y.5
1Taipei Hospital, Ministry of Health and Welfare, Department of Pediatrics, Taipei, Taiwan, 2National Yang-Ming University, Taipei, Taiwan, 3China Medical University, Taichung, Taiwan, 4Taipei Hospital, Ministry of Health and Welfare, Department of Laboratory Medicine, Taipei, Taiwan
947 Vitamin D receptor taqi gene variant in exon 9 and asthma risk
Hutchinson K.1,2, Kerley C.3, Greally P.1, Coghlan D.1, Cormican L.4, Faul J.4, Louw M.4, Roche Y.4, Elazir B.3
1Biomnis.Ireland, Dublin, Ireland, 2NUI Galway, Galway, Ireland, 3Adelaide and Meath Hospital, Tallaght, Dublin, Ireland, 4Asthma Research Centre, Connolly Hospital, Dublin, Ireland
948 A polymorphism in the CRHR1 gene is associated with the response to asthma treatment in children
Banic I.1, Rijavec M.2, Plavec D.1, Korosec P.2, Turkalj M.1
1Children's Hospital Srebrenjak, Zagreb, Croatia, 2University Clinic of Respiratory and Allergic Diseases Golnik, Golnik, Slovenia
949 Relation of human microRNA in sputum with influenza A/B virus infection in exacerbated asthmatics
Park J.S.1, Kim J.-N.2, Shin S.1, Chang H.-S.1, Park C.-S.1
1Soochunhyang University Bucheon Hospital, Allergy and Respiratory Disease, Bucheon, Korea, Republic of, 2Major Graduate School of Soonchunhyang University, Interdisciplinary Program in Biomedical Science, Asan, Korea, Republic of
950 The levels of anxiety and depression in patients with bronchial asthma depending on the Bcl1 polymorphism of glucocorticoid receptor gene
Kmyta V.1, Prystupa L.1
1Sumy State University, Sumy, Ukraine
951 Haplotypic similarity in immunogenes of Turkish population with Europeans and Central Asians
Karaca Ş.1, Karaca M.2, Civelek E.3, Sekerel B.E.4, Polimanti R.5
1Ege University Medical Faculty, Allergy and Clinical Immunology, Izmir, Turkey, 2Ankara Children’s Hematology Oncology Education and Research Hospital, Department of Pediatric Allergy, Ankara, Turkey, 3Aksaray University, School of Health, Aksaray, Turkey, 4Hacettepe University Faculty of Medicine, Department of Pediatric Allergy, Ankara, Turkey, 5Yale University School of Medicine, Department of Psychiatry, West Haven, CT, United States

Poster Session (TPS 23) – Hymenoptera venom allergy and anaphylaxis

Chair: Dario Antolin-Amérgio, Spain
Elisa Boni, Italy
954 Which is the most significant for the diagnose of hymenoptera venom allergy; history, skin tests or serum specific immunoglobulin (Ig) E?
Tunakan Dalor C.1, Sin A.Z.1, Düşünür Gülsen F.1, Bulut G.1, Ardeniz F.O.1, Gülbahar O.1, Mete Gökmen E.N.1, Kokuluğaç A.1
1Ege University Medical Faculty, Allergy and Clinical Immunology, Izmir, Turkey
955 Usefulness of available recombinant molecules for the diagnosis of bee venom allergy
Vachová M.1, Panzner P.1, Vlas T.1
1Faculty of Medicine and Faculty Hospital in Pilsen, Department of Immunology and Allergology, Pilsen, Czech Republic
956 Levels of serum tryptase and prevalence of mastocytosis in Hymenoptera venom allergy
Pullerits T.1, Arvidsson M.1, Kahl L.1, Berner M.1
1Sahlgrenska University Hospital, Section of Allergology, Gothenburg, Sweden
957 Bee allergy in Portuguese bee keepers: how do they react, what do they do and what do they know?
Amaral L.1, Pereira A.M.2, Coimbra A.1
1Serviço de Imunoalergologia, Centro Hospitalar São João, Porto, Portugal, 2Centro de Investigação em Tecnologias e Servicos de Saude – CINTESIS, Faculdade de Medicina da Universidade do Porto, Porto, Portugal
958 Usefulness of component-resolved analysis in the diagnosis of hymenoptera venom allergy
Cruz C.1, Reis R.1, Tomaz E.1, Pires A.P.1, Inácio F.1
1Hospital de São Bernardo, Serviço de Imunoalergologia, Setúbal, Portugal
959 First aid management in insect venom anaphylactic patients in Silesia. A review from 1992 to 2015
Gawlik R.1, Bozek A.2, Marczak M.2, Maciejczek J.2, Kolodziej I.1, Kandefer B.1, Dziennik A.3
1Medical University of Silesia, and Clinical Department of Internal Diseases, Allergology and Clinical Immunology, Katowice, Poland, 2Medical University of Silesia, Clinical Department of Internal Disease, Dermatology and Allergology, Katowice, Poland, 3Medical University of Silesia, Katowice, Poland
960 Patient knowledge of correct self-administration of adrenalin auto-injector after hymenoptera venom anaphylaxis
Štalc B.1, Skela Savič B.2
1University Clinic of Respiratory and Allergic Diseases, Golnik, Slovenia, 2Faculty of Health Care Jesenice, Jesenice, Slovenia

961 Optimism and emotional control in the group of people allergic to Hymenoptera venom
Woźniwicz A.1, Szynkiewicz E.2, Topolewski M.3, Graczyk M.4, Gocki J.4, Filanowicz M.5
1Chair and Department of Clinical Psychology, Collegium Medicum, Nicolaus Copernicus University in Toruń, Bydgoszcz, Poland, 2Chair and Clinic of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Bydgoszcz, Poland, 3Faculty of Mathematics and Computer Science Nicolaus Copernicus University, Toruń, Poland, 4Chair and Clinic of Allergology, Clinical Immunology and Internal Diseases, University Hospital No.2, Bydgoszcz, Poland, 5Faculty of Mathematics and Computer Science Nicolaus Copernicus University, Toruń, Poland

962 Influencing factors on the severity of systemic sting reactions: the Austrian experience
Arzt L.1, Bokanovic D.1, Schwarz L.1, Schrautzer C.1, Laipold K.1, Sturm G.J.1
1Medical University of Graz, Department of Dermatology, Graz, Austria

963 Honeybee immunotherapy in a patient with systemic mastocytosis
Castro Neves A.1, Barreira P.1, Moreira da Silva J.P.1
1Centro Hospitalar Vila Nova de Gaia, Allergy and Clinical Immunology Department, Vila Nova de Gaia, Portugal

964 Immunotherapy with bee venom successful in spite of persistence of specific IgE
Djuric V.1
1Clinical Centre of Serbia, Clinic of Allergology and Immunology, Belgrade, Serbia

965 Systemic mastocytosis after anaphylactic reactions to hymenoptera venom immunotherapy: two cases
Demirturk M.1, Isik S.R.1, Ozkan G.2, Yavuz A.S.2
1Yedikule Training and Research Hospital, Istanbul, Turkey, 2Istanbul University Istanbul Faculty of Medicine, Department of Internal Medicine, Division of Hematology, Istanbul, Turkey

966 Care of Hymenoptera venom allergy: 10 years experience of a specialized department of Algiers
Abdellazir R.1, Arab D.2, Ouali D.2, Douaqui H.2
1CHU Beni Messous, Algiers, Algeria, 2CHU Beni Messous, Pneumo Allergology, Thoracic Oncology and Sleep Laboratory Department, Algiers, Algeria

The sting challenge test (SCT): our experience
Araujo Sánchez C.G.1, Dalmau Duch G.1, Gaig Jane P.1, Gázquez García V.1, Indiveri M.1
1Hospital Universitario Joan XXIII, Tarragona, Tarragona, Spain

Re-sting reactions in real-life of patients receiving hymenoptera venom immunotherapy
Sin B.A.1, Kendirilinan R.1, Çerçi P.1, Celebi Sözener Z.1, Aydin Ö.1, Çelik G.1, Munyan D.1, Babbek S.1, Demirel Y.1, Msirigil Z.1
1Ankara University, School of Medicine, Pulmonary Diseases, Division of Immunology & Allergy, Ankara, Turkey

The anaphylactic shock risk grading to Hymenoptera stings allergy with basophilic activation and serum tryptase testing
Safina L.1, Fassakhov R.2, Reshetnikova I.1
1Federal Budgetary State Institution of Science ‘Kazan Scientific and Research Institute of Epidemiology and Microbiology’ under Federal Service for Supervision of Consumer Rights Protection and Human Welfare, Kazan, Russian Federation, 2Kazan Federal University, Institute of Fundamental Medicine and Biology, Kazan, Russian Federation

Epidemiology of doctor diagnosed anaphylaxis in Korea; using big data of 48.1 million South Korean health-care records
Jang G.-C.1, Lee C.-J.2, Lim H.1, Lee H.-H.3
1NHIS Ilsan Hospital, Goyang, Korea, Republic of, 2Health Insurance Policy Research Institute, Seoul, Korea, Republic of, 3Catholic Kwandong University College of Medicine, Incheon, Korea, Republic of

Anaphylaxis and cardiovascular event: a case report of Kounis syndrome
Carneiro-Leão L.1, Amaral L.1, Coimbra A.1, Plácido J.L.1
1Centro Hospitalar de São João, Serviço de Imunoalergologia, Porto, Portugal

Unusual case of exertional rhabdomyolysis and repeated severe anaphylaxis
Hoxha M.1, Sheri A.1, Dervishaj M.1, Loloci G.2
1UHC Mother Theresa, Service of Allergology and Clinical Immunology, Tirana, Albania, 2UHC Mother Theresa, Tirana, Albania

973 Work-related asthma: an 5-year retrospective review
Veire L.1, Ferreira J.A.1, Rosmaninho I.1, Moreira da Silva J.1
1Centro Hospitalar Vila Nova de Gaia, Imunoallergology, Vila Nova de Gaia, Portugal

974 Coexistence of allergic conjunctivitis symptoms in subjects with work-related rhinitis exposed to high and low molecular weight allergens
Wszewniak M.1, Tymoszuk D.1, Pas-Wyroslak A.1, Lipinska-Ojrzanowska A.1, Nowakowska-Swirta E.1, Walusiak-Skorupa J.1
1Nofer Institute of Occupational Medicine, Department of Occupational Diseases and Environmental Health, Lodz, Poland
Risk factors associated with asthma phenotypes in poultry farm workers
Ngailo D.1, Singh T.2, Ratshikhopha E.2,3, Baatjies R.1,4, Jeenybay M.F.1
1Centre for Environmental and Occupational Health Research, School of Public Health and Family Medicine, University of Cape Town, Cape Town, South Africa, 2National Institute for Occupational Health, Immunology & Microbiology Section, National Health Laboratory Services, Johannesburg, South Africa, 3Department of Clinical Microbiology and Infectious Diseases, School of Pathology, University of Witwatersrand, Johannesburg, South Africa, 4Department of Environmental and Occupational Studies, Faculty of Applied Sciences, Cape Peninsula University of Technology, Cape Town, South Africa

Risk factors for work-related asthma in health care workers with exposure to diverse cleaning agents
Mwangi H.H.1, Baatjies R.1,2, Singh T.1,4, Jeenybay M.1
1University of Cape Town, Centre for Environmental and Occupational Health Research, School of Public Health and Family Medicine, Cape Town, South Africa, 2Cape Peninsula University of Technology, Department of Environmental and Occupational Studies, Faculty of Applied Sciences, Cape Peninsula University of Technology, Cape Town, South Africa

New short-duration method of performing specific inhalation challenge with persulfate salts
Foss-Skiftesvik M.H.1, Winther L.2, Skov P.S.3, Mosbech H.F.3, Opstrup M.S.1, Zachariae C.4, Johansen J.D.1, Johnsen C.R.2
1National Allergy Research Centre, Copenhagen University Hospital Gentofte, Department of Dermato-Allergology, Copenhagen, Denmark, 2Copenhagen University Hospital Gentofte, The Allergy Clinic, Copenhagen, Denmark, 3RefLab ApS, Copenhagen, Denmark, 4Copenhagen University Hospital Gentofte, Department of Dermato-Allergology, Copenhagen, Denmark

Identification of alpha amylase as a new allergen of mealworm in professionally exposed patients
Debaugnies F.1,2, Francis F.1, Delporte C.4, Doyen V.1,3, Ledent C.3, Mairesse M.3, Van Antwerpen R.4, Corazza F.1
1CHU Brugmann, Université Libre de Bruxelles, Labs of Immunology and of Translational Research, Bruxelles, Belgium, 2Laboratoire National de Santé, Dudelange, Luxembourg, 3Gembloux Agro-Bio Tech, Université de Liège, Entomologie Fonctionnelle et Évolutive, Gembloux, Belgium, 4Université Libre de Bruxelles, Faculté de Pharmacie, Laboratory of Pharmaceutical Chemistry, Brussels, Belgium, 5CHU Brugmann, Université Libre de Bruxelles, Clinic of Immuno-Allergology, Bruxelles, Belgium

A three-year follow-up study of sublingual specific immunotherapy with wheat flour in Italian occupational baker’s asthma and rhinitis
Marraccini P.1, Pietro B.2, Patrini L.3, Dubini M.3, Riboldi L.3
1IRCCS Ospedale Maggiore Fondazione Policlinico, UOS Allergologia Ambientale e Occupazionale - UOC Protezione e Promozione Salute Lavoratori. Fondazione IRCCS Ca’ Granda Ospedale Maggiore Policlinico, Milano, Italy, 2Università degli Studi di Milano, Scuola di Specializzazione in Medicina del Lavoro, Milano, Italy, 3IRCCS Ca’ Granda Ospedale Maggiore Policlinico, UOC Protezione e Promozione Salute Lavoratori, Milano, Italy

Clinical application of EAACI position papers on occupational rhinitis and work related asthma
Pala G.1, Folletti I.2
1Local Health Authority of Sassari, Occupational Physician’s Division, Sassari, Italy, 2Terni Hospital, University of Perugia, Medicine, Section of Occupational Medicine, Respiratory Diseases, Professional and Environmental Toxicology, Perugia, Italy

Identification of alpha amylase as a new allergen of mealworm in professionally exposed patients
Debaugnies F.1,2, Francis F.1, Delporte C.4, Doyen V.1,3, Ledent C.3, Mairesse M.3, Van Antwerpen R.4, Corazza F.1
1CHU Brugmann, Université Libre de Bruxelles, Labs of Immunology and of Translational Research, Bruxelles, Belgium, 2Laboratoire National de Santé, Dudelange, Luxembourg, 3Gembloux Agro-Bio Tech, Université de Liège, Entomologie Fonctionnelle et Évolutive, Gembloux, Belgium, 4Université Libre de Bruxelles, Faculté de Pharmacie, Laboratory of Pharmaceutical Chemistry, Brussels, Belgium, 5CHU Brugmann, Université Libre de Bruxelles, Clinic of Immuno-Allergology, Bruxelles, Belgium

Chironomidae allergy
Abdellaziz R.1, Mazouz N.2, Ouali M.2, Douagui H.1
1Pneumo Allergology, Oncology Thoracic and Sleep Laboratory Unit, CHU Beni Messous, Algiers, Algeria, 2Msla University, Msila, Algeria

Fatal anaphylaxis after insect sting during work
Oppel E.M.1, Kraus S.2, Walter A.1, Garagano J.1, Rueff F.1
1Ludwig-Maximilians-Universität, Klinik und Poliklinik für Dermatologie und Allergologie, München, Germany, 2Ludwig-Maximilians-Universität, Institut für Rechtsmedizin, München, Germany

Massive facial angioedema after occupational exposure to fish of the Scombridae family – clinical case
Dermendzhiev S.1, Bogomil P.3, Dermendzhiev T.2, Stoynева Z.1, Deleva P.1
1Medical University of Plovdiv, Department of Occupational Diseases and Toxicology, Plovdiv, Bulgaria, 2Medical University of Plovdiv, Department of Allergy, Occupational Diseases and Toxicology, Plovdiv, Bulgaria, 3Medical University of Plovdiv, Department of Immunology, Plovdiv, Bulgaria, 4Medical Academy Sofia-Hospital Ivan Rilski, Department of Occupational Diseases and Toxicology, Sofia, Bulgaria
987 Occupational asthma caused by Krill allergy
Peris Tortajada A.1, Perales Chorda C.1, Pacheco Coronel M.V.1, El Oqutob D.2, Bustamante Orvay L.1, Jimeno Noquelas L.3
1Hospital Clínico Universitario de Valencia, Valencia, Spain, 2Hospital La Plana, Vila-Real, Spain, 3R&D Department ALK-Abelló, Madrid, Spain

988 Occupational contact urticaria to cow’s milk in the absence of cow’s milk allergy in a cheesemaker
Mailhol C.1, Rabain A.M.1, Herry J.2, Cantrell-Mathat F.3, Didier A.1
1Toulouse University Hospital, Pneumology Allergology, Toulouse Cedex, France, 2Toulouse University Hospital, Occupational Medicine, Toulouse, France, 3Cabinet Médical 4 Boulevard Pierre Benoît, Rodez, France

989 Occupational asthma due to ferrimanitol ovalbumin mediated by IgE
Valverde Monge M.1, Balugo Lopez V.1, Sastre B.1, Fernandez Nieto M.D.M.1, Del Pozo V.1, Sastre J.1
1Fundación Jimenez Díaz, Alergology, Madrid, Spain

990 Occupational asthma due to paprika powder
Hanon S.1, Schuermans D.1, Vincken W.1
1UZ Brussel, Respiratory Division, Brussels, Belgium

991 Rhinoconjunctivitis and occupational asthma due to poultry feed
Colamarco Ureña G.1, Sastre Sastre A.1, Verdequer Segarra O.1, Zanón Moreno L.1, Morales Rubio C.1, Peláez Hernández A.1
1Hospital Clínico Universitario de Valencia, Valencia, Spain

992 Asthma associated with occupational exposure to mushrooms
Carolino F.1, Miranda M.1, Badas J.1, Leão L.1, Pineda De la Losa F.2, Plácido J.L.1
1Centro Hospitalar São João E.P.E., Servicio de Imunoalergología, Porto, Portugal, 2DIATER Laboratorios, Departamento Aplicaciones, Madrid, Spain

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**Poster Session (TPS 25) – Primary Immunodeficiency**

**Posters: 13 June 2016, 12:15 – 13:45**

**Chairs:** Carlo Agostini, Italy
Anna Sediva, Czech Republic

993 Expression pattern of bradykinin receptors on lymphocytes and monocytes in hereditary angioedema type I
Boqdali A.1, Dyga W.1, Mikolajczyk T.2, Obtulowicz K.1, Czarnobilska E.1
1Jagiellonian University Medical College, Clinical and Environmental Allergology, Krakow, Poland, 2Jagiellonian University Medical College, Department of Internal and Agricultural Medicine, Krakow, Poland

994 The features of the intestine microbiota in patients with a-and hypogammaglobulinemia
Sizyakina L.1, Andreeva I.1, Yakovlev A.1, Bashtovaya O.1
1State Medical University, Rostov-on-Don, Russian Federation

995 Polychromatic flow cytometry in immunophenotyping of primary immunodeficiencies: hidden phenotypes revealed
Polancec D.1, Banic I.1, Bulat Lukas S.1, Zivkovic J.1, Zenic L.1, Turkalj M.2
1Children’s Hospital Srebrnjak, Department of Translational Medicine, Zagreb, Croatia, 2Children’s Hospital Srebrnjak, Zagreb, Croatia

996 Using of DNA chip SNP analysis for CVID patients – a new perspectives in detection of markers of human diseases in Slovakia
Babusikova E.1, Jurceckova J.2, Dobrota D.1, Jesenak M.3
1Comenius University in Bratislava, Jessenius Faculty of Medicine in Martin, Department of Medical Biochemistry, Martin, Slovakia, 2Comenius University in Bratislava, Jessenius Faculty of Medicine in Martin, Department of Pediatrics, Martin, Slovakia

1000 Frequency of low serum immunoglobulin levels in children with allergic diseases
Azkur D.1, Aydin G.2, Albayrak M.3
1Kirikkale University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Kirikkale, Turkey, 2Kirikkale University Faculty of Medicine, Department of Pediatrics, Kirikkale, Turkey, 3Kirikkale University Faculty of Medicine, Department of Pediatric Hematology and Oncology, Kirikkale, Turkey

1001 Isoprinosine in long-term treatment in patients with PID
Petrova G.1, Miteva D.1, Papochieva V.1, Georgieva B.1, Perenovska P.1
1University Hospital Alexandrovska, Pediatric Clinic, Sofia, Bulgaria

1002 Epidermodysplasia verruciformis in a patient with common variable immunodeficiency (CVID)
Savore I.1, Gelardi C.1, Agolini S.1, Marinangeli L.2, Danieli M.G.1
1Kirikkale University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Kirikkale, Turkey, 2Kirikkale University Faculty of Medicine, Department of Pediatrics, Kirikkale, Turkey, 3Kirikkale University Faculty of Medicine, Department of Pediatric Hematology and Oncology, Kirikkale, Turkey

1003 Treatment of acute hereditary angioedema attacks during pregnancy
Haki R.1, Kuklinek P.1, Litzman J.1
1St. Anne’s University Hospital in Brno. Faculty of Medicine Masaryk University, Dept. Clin. Immunol. Allergol., Brno, Czech Republic

1004 Stiff-person syndrome and hypogammaglobulinaemia: an unusual combination
Suratannon N.1,2, Dalm V.3, van Bilsen K.4, van Paassen P.3, Tervaert J.W.C.5, Driessen G.J.6, Wentink M.W.3, van der Burg M.3, van Hagen P.M.1,3,4
1Chulalongkorn University, Bangkok, Thailand, 2Erasmus Medical center, Immunology, Rotterdam, The Netherlands,
Hyper IGE syndrome – an undetected mutation?

Trikamjee T.1

1University of Cape Town, Paediatrics and Child Health, Cape Town, South Africa

Facilitated subcutaneous immunoglobulin in common variable immunodeficiency associated hemolytic anemia

Gelardi C.1, Pedini V.1, Morariu R.1, Cardinaletti P.1, Danieli M.G.1

1Polytechnic University of Marche, Ospedali Riuniti Ancona, Clinica Medica, Ancona, Italy

Successfull rescue with Privigen® of three patients with common variable immunodeficiency and previous reactions to intravenous immunoglobulin

Pedini V.1, Paciarini A.D.1, Morariu R.1, Danieli M.G.1, Gabrielli A.1

1Polytechnic University of Marche, Ospedali Riuniti Ancona, Clinica Medica, Ancona, Italy
Patterns of allergen recognition by Dermatophagoides-allergic patients: implications for allergen immunotherapy

Batarad T.1, Baron-Bodo V.1, Martelet A.1, Le Mignon M.1, Lemoine P.1, Jain K.1, Mariano S.1, Horiot S.1, Chabre H.1, Harwanegg C.2, Marquette C.A.3, Corgier B.P.3, Soh W.T.4, Satitsuksanoa P.4, Jacquet A.4, Chew F.T.5, Nony E.1, Moineqon P.1

1Stallergenes Greer, Research Department, Antony, France, 2Thermo Fisher Scientific ImmunoDiagnostics/Phadia Austria GmbH, Vienna, Austria, 3AXO Science, Villeurbanne, France, 4Chulalongkorn University, Bangkok, Thailand, 5National University of Singapore, Singapore City, Singapore

Allergy immunotherapy cost-benefit perceived by patients in real life: the ESPIA questionnaire

Alba Jordá P.1,2, Fernández Llópez A.3, Liliana Santafé J.J.4, Mencía Sánchez G.5, Cardona Dahl V.6, Montoro Lacomba J.7

1Unidad de Alergia, Hospital Universitario de Manises, Valencia, Spain, 2Facultad de Medicina, Universidad Católica de Valencia ‘San Vicente Mártir’, Valencia, Spain, 3Unidad de Alergia, Hospital Virgen del Consuelo, Director Médico Grupo Nisa, Valencia, Spain, 4Unidad de Alergia, Hospital Lluis Alcany, Játiva, Spain, 5Unidad de Alergia, Hospital Universitario La Plana, Villarreal, Castellón, Spain, 6Sección de Alergia, Hospital Universitario Vall d’Hebron, Barcelona, Spain, 7Unidad de Alergia, Hospital Universitario Arnau de Vilanova, Facultad de Medicina, Universidad Católica de Valencia ‘San Vicente Mártir’, Valencia, Spain

Subcutaneous allergen specific immunotherapy in South Korea: efficacy, safety and predictors for clinical response

Lee J.-H.1, Ye Y.-M.1, Kim S.-C.2, Choi H.2, Ban G.-Y.1, Shin Y.-S.1, Nahm D.-H.1, Park H.-S.1

1Ajou University School of Medicine, Allergy and Clinical Immunology, Suwon, Korea, Republic of, 2Ajou University Medical Center, Clinical Trial Center, Suwon, Korea, Republic of

A multicentre randomised placebo-controlled double-blind clinical trial for evaluation of the dose-dependent effect of a hypoallergenic house dust mite preparation (Dermatophagoides pteronyssinus) for subcutaneous immunotherapy (SCIT)

Rudert M.1, Saathoff F.1, Tribanek M.1, Häfner D.1

1Allergopharma GmbH & Co. KG, Reinbek, Germany

Specificity of non specific lipid transfer proteins and influence of the ligands on their three dimensional structure

Dubiela P.1, Humeniuk P.1, Pfeifer S.1, Blubin M.1, Cantini F.2, Borowski T.1, Alessandrini S.1, Hoffmann-Sommergruber K.1

1Medical University of Vienna, Dept. of Pathophysiology and Allergy Research, Vienna, Austria, 2University of Florence, Center for Magnetic Resonance, Florence, Italy, 3The Jerzy Haber Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences, Krakow, Poland, 4University of Florence, Department of Statistics, Computer Science, Applications ‘G. Parenti’ (DISIA), Florence, Italy

Molecular, structural and immunological characterization of Der p 18, a chitinase-like house dust mite allergen

Pesch V.1, Blatt K.2, Malikus U.3, Fercher C.4, Swoboda I.1, Focke M.1, Chen K.-W.1, Seiberler S.1, Mittermann I.1, Lupinek C.1, Rodríguez-Dominguez A.1, Zieglmayer P.6, Ziegelmayer R.6, Keller W.4, Krzyzanek W.7, Valent P.2, Valenta R.1, Vrtaľa S.1

1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Internal Medicine I, Vienna, Austria, 3University of Münster, Institute of Medical Physics and Biophysics, Münster, Germany, 4University of Graz, Institute of Molecular Biosciences, Graz, Austria, 5University of Applied Science, Section of Molecular Biotechnology, Vienna, Austria, 6Vienna Challenge Chamber, Vienna, Austria, 7Academy of Sciences of the Czech Republic, Institute of Scientific Instruments of the ASCR, Czech Republic

Amb a 1 isoforms show distinct IgE-binding properties

Wolf M.1, Twaroch T.2, Hauser M.1, Ebner C.1, Briza P.1, Steiner M.1, Aglas L.1, Behrendt H.4, Neubauer A.2, Stolz F.3, Ferreira F.1, Wallner M.1

1University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 2Biomay AG, Vienna, Austria, 3Allergieambulatorium am Reumanplatz, Vienna, Austria, 4ZAUM, Center for Allergy and Environment, Munich, Germany
1023 Identification of new allergens from Saccharum spontaneum (Kans grass) pollen and its IgE-mediated cross-reactivity with other dominant grass pollens of West Bengal, India: an immunoclinical insight
Basak T.¹, Bhattacharya K.¹, Pandey N.²
¹Visva-Bharati University, Department of Botany, Santiniketan, India, ²Mediland Diagnostic Institute, Kolkata, India

1024 Update on AllergenOnline.org: a comprehensive, searchable database for risk assessment
Goodman R.E.¹, Baumert J.L.¹, Taylor S.L.¹, Lalithambika S.¹, Sampson H.A.², Ebisawa M.³, Ferriera F.², Bohle B.³, van Ree R.⁶
¹University of Nebraska, Food Allergy Research and Resource Program, Lincoln, United States, ²Icahn School of Medicine at Mount Sinai, Department of Pediatrics, New York, United States, ³Sacamihara National Hospital, Department of Allergy, Sgamihara, Japan, ⁴University of Salzburg, Department of Molecular Biology, Salzburg, Austria, ⁵University of Vienna, Department of Pathophysiology, Vienna, Austria, ⁶Academic Medical Center, Departments of Experimental Immunology and Otorhinolaryngology, Amsterdam, The Netherlands

1025 Bet v 1–homologous proteins from chickpea show IgE cross-reactivity in patients with birch pollen allergy
Kulkarni A.¹, Wangorsch A.², Blanca-Lopez N.³, Ferrer M.⁴, Ananthanarayan L.¹, Vieths S.², Toda M.², Scheurer S.²
¹Institute of Chemical Technology, Food Engineering & Technology Department, Mumbai, India, ²Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany, ³Infanta Leonor Hospital, Allergy Service, Madrid, Spain, ⁴School of Medicine, Department of Allergy, Pamplona, Spain

1026 Supporting diagnostic test allergens used for in vivo diagnosis of allergic disease: a case study
Heath M.¹, Starchenka S.¹, Mwanje J.¹, Swan N.¹, Hewings S.¹, Skinner M.A.¹
¹Allergy Therapeutics plc., Worthing, United Kingdom

1027 First case series: exotic pets allergy among Chilean patients
Tordecilla R.¹, Aguilera R.², Marinovic M.A.², Bastías C.¹, Salinas J.²
¹Clinical Hospital University of Chile, Santiago, Chile, ²Santa María Clinic, Santiago, Chile, ³Las Condes Clinic, Santiago, Chile

1028 Hedgehog allergy
Haroun-Díaz E.¹, Vazquez de la Torre Gaspar M.¹, Garcimartín Galicia M.I.¹, Ruano Pérez F.¹, Pérez Alzate D.¹, Somozá Alvarez M.L.¹, Blanca López N.¹, Pastor Vargas C.², Bartolomé B.³, Canto Díez G.¹
¹Hospital Infanta Leonor, Madrid, Spain, ²Fundación Jiménez Díaz, Madrid, Spain, ³Departamento I+D, Bilbao, Spain

1029 Allergy to Marijuana: a case report
Alcantara Villar M.¹, Cañada Peña C.L.¹, Jimeno Nogales L.², Castro de las Cuevas L.², De La Torre Martínez F.³, ¹Complejo Hospitalario de Jaén, Allergy Unit, Jaén, Spain, ²ALK-Abello, R&D Department, Madrid, Spain, ³ALK-Abelló, Madrid, Spain

1030 The cross-reactivity between house dust mite and shrimp and the IgE levels of tropomyosin in house dust mite sensitised patients
Chen X.¹,²,³
¹The First affiliated Hospital of Guangzhou Medical University, Guangzhou, China, ²State Key Laboratory of Respiratory Disease, Guangzhou, China, ³Guangzhou Institute of Respiratory Disease, Guangzhou, China

1031 pH dependence of oligomerization states and ligand binding in Alt a 1
Garrido-Ardanza M.¹, Cubells-Baeza N.², Bretones J.², Gómez-Casado C.³, Díaz-Perales A.², Pacios L.¹
¹University Politécnica de Madrid, Madrid, Spain, ²Universidad Politécnica de Madrid, CBGP, Madrid, Spain, ³Lund University, Lund, Sweden

1032 Seafood proteases present in workplace bioaerosols – effects on inflammatory pathways in skin and airway cell models
Bañ B.E.¹,², Larsen A.K.³, Bhagwat S.S.¹
¹University Hospital North Norway, Department of Occupational and Environmental Medicine, Tromsoe, Norway, ²UIT, The Arctic University of Norway, Department of Medical Biology, Tromsoe, Norway, ³UIT, The Arctic University of Norway, Arktisk og Marin Biologi, Tromsoe, Norway

Poster Session (TPS 2B) – Component resolved diagnosis: Inhaled allergens

Poster Exhibition

1033 Mannan-conjugated polymerized allergens of Dermatophagoides pteronyssinus are more hypoallergenic than the corresponding native and polymerized preparations
Boquete M.¹, Tejera-Alhambra M.², Guzmán-Fulgencio M.², Caballero R.², Fernández-Caldas E.², Subiza J.L.², Casanovas M.²
¹Hospital Lucus Augusti, Lugo, Spain, ²Inmunotek S.L., Alcalá de Henares, Spain

1034 Development of sandwich ELISAs for the quantification of clinically relevant house dust mite allergens
Rodríguez Domínguez A.¹, Resch Y.¹, Curin M.¹, Huang H.-J.¹, Banerjee S.¹, Valeta R.¹, Vrtala S.¹
¹Medizinische Universität Wien, Institut für Pathophysiologie & Allergieforschung, Zentrum für Pathophysiologie, Infektiologie und Immunologie, Wien, Austria
1035 Clinical impacts of dust mite allergy: sensitization to Der p1 and Der p2
Muehlmeier G.1, Tisch M.1
1Federal Armed Hospital of Ulm, ENT, Ulm, Germany

1036 Cross-reactive molecules of animal lipocalin allergens
Ukleja-Sokolowska N.E.1, Gawronksa-Ukleja E.1,
Zbikowska-Gotz M.1, Socha E.1, Bartuzi Z.1, Sokolowski L.2
1Collegium Medicum Nicolaus Copernicus University,
Allergology, Clinical Immunology and Internal Diseases,
Bydgoszcz, Poland, 2Dr Jan Biziel University Hospital No. 2,
Neurology and Stroke Treatment, Bydgoszcz, Poland

1037 Analysis of the sensitization profile in 57 dog allergic patients
Ukleja-Sokolowska N.E.1, Gawronksa-Ukleja E.1,
Zbikowska-Gotz M.1, Socha E.1, Bartuzi Z.1, Sokolowski L.2
1Collegium Medicum Nicolaus Copernicus University,
Allergology, Clinical Immunology and Internal Diseases,
Bydgoszcz, Poland, 2Dr Jan Biziel University Hospital No. 2,
Neurology and Stroke Treatment, Bydgoszcz, Poland

1038 Changes in molecular structure of silver birch pollen allergen in different climatic areas of Ukraine
Bogomolov A.1, Zaikov S.3
1Vinitsna National Pirogov Memorial Medical University,
TB, Clinical Immunology and Allergy Dept, Vinitsna,
Ukraine, 3Shupyk National Academy of Postgraduate Education,
TB and Pulmonology Dept., Kyiv, Ukraine

1039 Test BAT in diagnosis of allergy to hazelnut in patients with birch pollen allergy
Zbikowska M.1, Gawrońska-Ukleja E.1, Pałgan K.1,
Kuźniński A.1, Bartuzi Z.1
1Collegium Medicum Nicolaus Copernicus University,
Department of Allergology, Clinical Immunology and Internal Diseases,
Bydgoszcz, Poland

1040 The IgE antibody profile patient’s with birch pollen allergy
Wawrzeńczyk A.1, Zbikowska-Gotz M.1, Wawrzeńczyk A.2,
Zacniewski R.1, Napiórkowska-Baran K.1, Bartuzi Z.1
1The Nicolaus Copernicus University in Toruń, Allergology,
Clinical Immunology and Internal Medicine in Bydgoszcz,
Bydgoszcz, Poland, 2The Nicolaus Copernicus University in Toruń,
Angiology and Internal Medicine in Bydgoszcz,
Bydgoszcz, Poland

1041 In vivo standardization of Platanus acerifolia allergen extract to determine its biological activity in HEP units
1Hospital Clinic de Barcelona, Barcelona, Spain, 2Hospital General Universitario Gregorio Marañón, Madrid, Spain,
3Laboratorios LETI S.L., Tres Cantos, Spain

1042 Assessment of sensitization profiles by cutaneous test (SPT) and component-resolved diagnosis (CR%D) on olive-allergic patients from Jaén (Spain)
Alcantara Villar M.1, Sáenz de San Pedro Morera B.1,
Cañada Peña C.L.1, Muñoz Muñoz M.A.1, Palacios Colom L.1,
De La Torre Martínez F.2
1Complejo Hospitalario de Jaén, Allergy Unit, Jaén, Spain,
2ALK- Abelló, Madrid, Spain

1043 Monoclonal antibodies to recombinant Fag e 3 buckwheat allergen and development of a two-site ELISA for its quantification
Jeong K.Y.1, Park K.H.1, Lee J.-H.1, Park J.-W.1
1Yonsei University College of Medicine, Dept. of Internal Medicine, Institute of Allergy, Seoul, Korea, Republic of

1044 The optimization of diagnosis of allergy to grass pollen in children
Namazova-Baranova L.1,2,3, Snovskaya M.1, Vishneva E.1, Alekseeva A.1,2, Kozhevnikova O.1,3, Batyrova A.1,
Marushina A.1
1Scientific Centre of Children Health, Moscow, Russian Federation,
2I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation,
3Pirogov Russian National Research Medical University, Moscow, Russian Federation

1045 Hypoallergenic skin prick test response of mannan-conjugated polymerized allergens of Phleum pratense compared to corresponding native and polymerized preparations
Subiza J.1, Guzmán-Fulgencio M.1, Tejera-Alhambra M.2,
Caballero R.2, Fernández-Caldas E.3, Subiza J.L.3,
Casanovas M.3
1Subiza Asthma and Allergy Centre, Madrid, Spain,
2Inmunotek S.L., Alcalá de Henares, Spain

1046 In vivo standardization of Artemisia vulgaris allergen extract to determine its biological activity in HEP units
Peña M.I.1, Valero A.2, Flores I.1, Sanchez Lopez J.3,
Sanchez D.3, Nieto E.3, Levitch R.3
1Hospital Vega Baja de Orihuela, San Bartolomé, Spain,
2Hospital Clinic de Barcelona, Barcelona, Spain,
3Laboratorios LETI S.L., Tres Cantos, Spain

1047 Optimization of determining the cause-significant allergens of weeds in patients with hay fever
Kasyanenko A.V.1, Goncharuk S.F.1, Bazarova Y.I.1
1Odessa National Medical University, Department of Clinical Immunology and Allergology, Odessa, Ukraine

1048 Patch test with aeroallergens in children
Bass E.1,2,3
1Immology and Phisiology Institution, UB RAS, Yekaterinburg, Russian Federation,
2Regional Children Clinical Hospital N1, Yekaterinburg, Russian Federation,
3Mechnikov’s Research Institute for Vaccines and Sera, Moscow, Russian Federation
**Chair:** Michel Thibaudon, France

**1049** The impact of the Medical Indoor Environment Counselors (MIEC) in the management of allergic diseases. A retrospective study of 100 patients
Lungoci E.1
1Hospital Center Emille Roux - Le Puy en Velay, Le Puy en Velay, France

**1050** Outdoor aeroallergens in Georgia: comparative analysis of pollen counts in Tbilisi and Kutaisi
Abramidze T.1, Gotua M.1, Chikhelidze N.2, Cheishvili T.1, Akhalkatsi M.2, Gamkrelidze A.1
1Center for Allergy & Immunology Research, Tbilisi, Georgia, 2Ilia State University, Institute of Botany, Tbilisi, Georgia

**1051** A method to evaluate allergic potential of bee pollen among airborne pollen allergic patients without having to extract allergenic proteins contained in bee pollen
Nonotte-Varly C.1
1Marie-José Treffot Hospital, Allergology, Hyères Cedex, France

**1052** Annual incidence and immuno biochemical study of airborne fungal spores in urban and rural areas of West Bengal, India with special reference to Aspergillus terreus
Karmakar B.1, Pandey D.N.2, Gupta Bhattacharya S.1
1Bose Institute, Division of Plant Biology, Kolkata, India, 2Mediland Diagnostic Institute, Asthma and Allergy, Kolkata, India

**1053** Effect of benzopyren, polychlorobiphenyl, and toluene diisocyanate to IL-4 production in PBMC sampled in house dust mite sensitized human
Lim D.H.1,2, Kim J.H.1,2
1School of Medicine, Inha University, Pediatrics, Incheon, Korea, Republic of, 2Inha University Hospital, Environmental Health Center for Allergic Rhinitis, Incheon, Korea, Republic of

**1054** Environmental factor and allergic disease
Luo J.1, Zhang Z.2, Long S.2, Zeng W.2, Wang M.2, Yu H.2, Sun B.1
1The First Affiliate Hospital of Guangzhou Medical University, State Key Laboratory of Respiratory Disease, Guangzhou, China, 2State Key Laboratory of Respiratory Disease, Guangzhou City, China

**1055** Anaphylaxis on skin exposure to grass pollen in an adolescent boy
Anil H.1, Harmanci K.2, Kocak A.K.2
1Eskisehir Osmangazi University, Allergy, Eskisehir, Turkey, 2Eskisehir Osmangazi University, Eskisehir, Turkey

**1056** Study of the allergenic profile of pollen from Platanus hybridra in the city of Evora, Portugal
Costa A.R.1,2,3, Arriegas R.1, Galveias A.1, Calhau I.1, Ramos I.1, Lopes L.4, Antunes C.M.1,2,3
1Univ. Evora, Chemistry, Evora, Portugal, 2Institute of Earth Sciences (ICT), IIFA, University of Evora, Evora, Portugal, 3Institute of Agriculture and Environmental Mediterranean Sciences (ICAAM), IIFA, University of Evora, Evora, Portugal, 4Hospital Sta Luzia, Elvas, Portugal

**Correlation between PM2.5 and quality of life of patients with allergic rhinitis**
Hu J.1, Luo J.2, Chen Z.1, Lan X.1, Li S.1, Sun B.2
1Guangzhou Medical University, Guangzhou, China, 2State Key Laboratory of Respiratory Disease, Guangzhou City, China

**Particular matter and allergic control in the human mast cell study on the genetics of atopic dermatitis**
Wonsuck Y.1, Kim E.2, Seo S.1, Kim H.J.2, Choung J.T.2, Yoo Y.2
1Allergy Immunology Center, College of Medicine, Seoul, Korea, Republic of, 2Korea University College of Medicine, Department of Pediatrics, Seoul, Korea, Republic of, 3Korea University College of Medicine, Seoul, Korea, Republic of

**Airborne concentrations of Cladosporium spores in central Spain**
Pérez-Badia R.1, Serrano A.1, Vázquez Z.1, Leralta V.1, Rapp A.1, Lara B.1, Rojo J.1
1University of Castilla-La Mancha, Environmental Sciences, Toledo, Spain

**Smog might exacerbate the severity of persistent allergic rhinitis**
Li L.1, Wang Z.2, Jiang X.3, Meng C.1, Sha J.1, Zhu D.1
1China-Japan Union Hospital of Jilin University, ENT, Changchun, China, 2China-Japan Union Hospital affiliated with Jilin University, Medical, Changchun, China, 3Affiliated Hospital of Qingdao University, ENT, Qingdao, China

**Change of poaceae pollination season related to climactic factors in the 2 last decades in Vinitsa, Ukraine**
Rodinkova V.V.1, Palamarchuk O.O.1, Motruk I.I.1, DuBuske L.M.2,3
1Vinitsa National Pirogov Memorial Medical University, Vinitsa, Ukraine, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

**Antihistamines sales correspond to grass pollination in Ukraine**
Rodinkova V.V.1, Duchenko M.A.1, Blahun O.D.1, DuBuske L.M.2,3
1Vinitsa National Pirogov Memorial Medical University, Vinitsa, Ukraine, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

**Passive smoking is important risk factor of allergic diseases in Korean adolescents**
Rha Y.H.1, Lee K.S.2, Kim M.S.3, Choi S.H.4
1Kyung Hee University Hospital, Seoul, Korea, Republic of, 2Bundang CHA University Hospital, Pediatrics, Bundang, Korea, Republic of, 3Dream Children’s Hospital, Daegu, Korea, Republic of, 4Kyung Hee University Hospital at Gangdong, Pediatrics, Seoul, Korea, Republic of
**Poster Session (TPS 30) – Learning from the case reports**

**Chairs:** Katharina Blümchen, Germany  
Anastasios Konstantinopoulos, Greece

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1064 **Venison demonstrated to cause anaphylaxis in a galactose-1,3 alpha galactose-sensitized patient**  
Maddox D.E. 1

1Mayo Clinic, Internal Medicine & Allergic Diseases, Rochester, United States

1065 **Successful desensitization to red meat in an adult patient with alpha-gal anaphylaxis**  
Unal D.1, Demir S.1, Coskun R.1, Gelincik A.1, Colakoglu B.1, Buyukozturk S.1

1Istanbul University, Department of Internal Medicine  
Division of Allergy, Istanbul, Turkey

1066 **Thirty years of red meat allergy – a case report**  
Sedlackova L.1, Luxova S.1

1New Czech University Hospital, Department of Immunology and Infectious Serology, Prague, Czech Republic

1067 **The first reported case of meat allergy following a tick bite in the UK**  
Bahal S.1, Bansal C.1, Hayman G.R.1, Bansal A.S.1

1St Helier Hospital, Immunology Department, London, United Kingdom

1068 **A case of anaphylaxis to cow’s milk protein after gastrostomy in twenty two months-aged child**  
Kwon J.-W.1, Kim Y.3, Suh D.-I.3

1Seoul National University Bundang Hospital, Seongnam, Korea, Republic of  
2Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of  
3Seoul National University Hospital, Seoul, Korea, Republic of

1069 **Anaphylactic reaction after inhalation of Inavir® (Laminamivir Octanoate Hydrate), lactose-containing dry powder inhaler in milk-allergic children**  
Yamaide A.1, Ide T.1, Tomita M.1, Hoshioaka A.1, Shimojo N.2

1Chiba Children’s Hospital, Department of Allergy and Rheumatology, Chiba, Japan  
2Chiba University, Department of Pediatrics, Chiba, Japan

1070 **Over-the-counter products and food allergy in children**  
Correia M.1,2, Morais-Almeida M.1

1CUF Descobertas Hospital, Allergy Center, Lisbon, Portugal  
2Hospital Central do Funchal, SESARAM, EPE, Immunology Department, Funchal, Portugal

1071 **Flaxseed allergy: two case reports**  
Bastidas Parlanti J.A.1, Antón-Laiseca A.1, Giménez Licitara N.M.1, Vives Conesa R.1, Diéguez Pastor M.C.1

1Hospital Universitario 12 de Octubre, Servicio de Alergología Clínica, Madrid, Spain

1072 **A rare food allergy case: anaphylaxis related pomegranate**  
Düşünür Günsen F.1, Mete Gökmen E.N.1, Bartolomé B.2

1Ege University Faculty of Medicine, Allergy and Clinical Immunology, Izmir, Turkey  
2Bial-Aristegui, R&D Department, Bilbao, Spain  
3Ankara Children’s Hematology Oncology Training and Research Hospital, Pediatric Allergy, Ankara, Turkey

1073 **Anaphylaxis to honey**  
Aguiar R.1, Cabral Duarte F.1, Mendes A.1, Bartolome B.2, Pereira-Barbosa M.1,2

1Hospital Santa Maria-Centro Hospitalar Lisboa Norte, Immunology Department, Lisbon, Portugal  
2Bial-Aristegui, Research and Development Department, Bilbao, Spain  
3University Clinic of Immunology, Faculdade de Medicina da Universidade de Lisboa, Lisbon, Portugal

1074 **Allergy to oregano in children**  
Correia M.1,2, Morais-Almeida M.1

1CUF Descobertas Hospital, Allergy Center, Lisbon, Portugal  
2Hospital Central do Funchal, SESARAM, EPE, Immunology Department, Funchal, Portugal

1075 **Should we fear food?**  
Marton C.1, Coroi M.2

1Oradea County Hospital, Oradea, Romania  
2University of Oradea, Oradea, Romania

1076 **Allergy reactions caused by cherry ingestion**  
Mahecha-García A.C.1, Cordobés-Durán C.1, García-Menaya J.M.1, Bobadilla-González P.1, Chiarelli Privette M.1, Giangrande N.1

1Hospital Infanta Cristina, Allergy, Badajoz, Spain

1077 **Recurrent anaphylaxis in LTP allergy patient – a case report**  
Ukleja-Sokolowska N.E.1, Gawronska-Ukleja E.1, Zbikowska-Gotz M.1, Bartuzi Z.1

1Polish Academic Hospital, Department of Dermatology, dermatology, Warsaw, Poland  
2Synlab Czech S.R.O., Prague, Czech Republic

1078 **Oat-induced anaphylaxis**  
Cruz C.1, Reis R.1, Pires A.P.1, Inácio F.1

1Hospital de São Bernardo, Serviço de Imunoalergologia, Setúbal, Portugal

1079 **Anaphylaxis to soy protein isolates present in hyperproteinated dietary supplements**  
Haccuria A.1, Michils A.1

1Université Libre de Bruxelles, Erasme University Hospital, Allergy, Department of Dermato-Allergology, Brussels, Belgium

1080 **Severe food allergy to water chestnut – water caltrop (Singoda flour): a case report**  
Johnsen C.R.1, Schnoor H.J.2, Kristensen B.3

1Copenhagen University Hospital at Gentofte, Clinic of Allergy, Department of Dermato-Allergology, Hellerup, Denmark  
2Copenhagen University Hospital at Gentofte, Clinic of Allergy, Department of Dermato-Allergology, Copenhagen, Denmark  
3Thermo Fisher Scientific, Phadia, Copenhagen, Denmark
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<td>1081</td>
<td>Allergic reaction to tower cress (Arabis turrita), a wild plant</td>
<td>Luis P. C. M., Intravaia R. T., Sichilli S., Nicolosi G., Porto M., Sberna M. E., Picardi G., Ficheria S., Crimi N., Heffler E.</td>
<td>University of Catania, Respiratory Medicine &amp; Allergy - Clinical and Experimental Medicine, Catania, Italy</td>
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<td>1082</td>
<td>Reactions to shrimp including severe anaphylaxis upon oral food challenge in patients with asthma who have never eaten shrimp: clinical relevance of cross-reactivity among invertebrate tropomyosins</td>
<td>Arruda A.L., Martin T., Melo J.M., Mendonça T.N., Moreno A.S., Yang A.C.</td>
<td>Ribeirao Preto Medical School, Ribeirao Preto, Brazil, 2School of Medicine of the University of Sao Paulo, Sao Paulo, Brazil</td>
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<td>1083</td>
<td>Anaphylaxis caused by Anisakis</td>
<td>Montoro de Francisco A.M., Esteban Lazareno B., Mendoza Parra A.M., De Vicente Jiménez T.M., Torres León J.M., Mateos Galván J.M.</td>
<td>Hospital Central de la Defensa, IMIDEF, Allergology Service, Madrid, Spain, 2Hospital Central de la Defensa, Internal Medicine, Madrid, Spain, 3Hospital Central de la Defensa, Allergology Service, Madrid, Spain</td>
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<td>1084</td>
<td>Food allergy vs Wilkie syndrome</td>
<td>Moreno Mata E., Burgos Montero A.M., Ruiz Leon B., González Sánchez L.A., Candón Morillo R., García Rodríguez C.</td>
<td>Hospital la Mancha Centro, Allergy, Alcázar de San Juan, Spain</td>
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<td>1085</td>
<td>Pine mouth syndrome</td>
<td>Chiarella Privette G.M., García Menaya J.M., Cordobés Durán C., Bobadilla González P., Mahecha García A.C., Giangrande N.</td>
<td>Hospital Infantana Cristina, Badajoz, Spain</td>
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Posters: 13 June 2016, 12:15 – 13:45

**Poster Session (TPS 31) – Allergy epidemiology**

**Chairs:** Michael Perkin, United Kingdom
Eva Untessmayer, Austria

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<td>1090</td>
<td>Relationship between dogs’ parasites and atopic diseases symptoms in children</td>
<td>Gomez R.M., Pintos L., Sánchez Negrette O.</td>
<td>1Fundación Ayre, Research &amp; Education, Salta, Argentina, 2Universidad Católica de Salta, Immunology Cathedra, Salta, Argentina, 3Universidad Católica de Salta, Parasitology Cathedra, Salta, Argentina</td>
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<tr>
<td>1091</td>
<td>Prevalence of allergic cat and dog sensitization in adult patients with allergic rhinitis from two German Federal States</td>
<td>Balakirski G., Hajdu Z., Hoefflich C., Baron J.M., Kaiser L., Czaja K., Merk H.F., Gerdsen S., Leverkus M., Strassen U., Bas M., Bier H., Dott W., Muecke H.-G., Chaker A., Straf W., Roeseler S.</td>
<td>1University Hospital of Aachen, Department of Dermatology and Allergology, Aachen, Germany, 2University Hospital of 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</td>
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<td>1092</td>
<td>Is it really Eosinophilic eosinophagitis? – a reflection over 3 pediatric cases</td>
<td>Pina-Trinção D., Paiva M., Fineli E., Afonso I., Cabral J., Leiria-Pinto P.</td>
<td>Dona Estefânia Hospital, CHLC - EPE, Immunology and Allergy Department, Lisbon, Portugal, 2Dona Estefânia Hospital, CHLC - EPE, Pediatric Gastroenterology Unit, Lisbon, Portugal</td>
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<td>1093</td>
<td>IQE development from birth to preschool age and its influence on skin and respiratory symptoms in Chinese cohort</td>
<td>Gui X.-Z., Lai X., Cheng J., Ji D., Liu T., Zhong H., Zheng Y., Spangfort M.D.</td>
<td>1Second People’s Hospital of Wuhu City, Wuhu, China, 2ALK A/S, Research Asia Pacific, Guangzhou, China</td>
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<td>1094</td>
<td>Aeroallergen sensitization profiles in Northern Greece</td>
<td>Chiotti A.G., Konstantinou G.N.</td>
<td>1University Hospital of Aachen, Department of Dermatology and Allergology, Aachen, Germany, 2University Hospital of 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</td>
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**Poster Exhibition**

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**POSTERS**

www.eaaci2016.org
1095 Prevalence of ragweed sensitization at a clinical trial unit in northern Germany
Badorrek P.1, Kruj N.1, Hohlfeld J.M.1
1Fraunhofer ITEM, Clinical Airway Research, Hannover, Germany

1096 Allergic phenotyping and prevalence of skin prick test positive subjects in a New Jersey, USA consistent with a more northern clinical site located in the Greater Toronto Area (GTA), Canada
Sadoway T.1, Nelson V.1, Zizek W.1, Tenorio N.1, Patel P.1, Lee F.1, Salapatek A.M.1
1Inflamx Research, Inc., Mississauga, Canada

1097 Are infants with food allergies candidate for allergic diseases of the respiratory tract?
Karaman S.1, Bahçeçi S.E.1, Nacar奥ğlu H.T.1, Yazıcı S.2, Karkner C.Ş.1,2, Kanik E.T.1, Can D.1
1Dr. Behcet Uz Children Hospital, Allergy and Immunology, İzmir, Turkey, 2Bálkescir University Faculty of Medicine, Pediatric Clinic, Bálkescir, Turkey

1098 The role of cutaneous Staphylococcus aureus in the development of atopic dermatitis during infancy
Suzuki S.1,2, Arima T.2, Inoue Y.2, Tomiita M.2, Kohno Y.2,3, Shimojo N.2
1Shimoshizu National Hospital, Pediatrics, Yotsukaido, Japan, 2Graduate School of Medicine, Chiba University, Pediatrics, Chiba, Japan, 3Chiba Rosai Hospital, Pediatrics, Ichihara, Japan

1099 Allergic disease is associated with nasal Staphylococcus aureus colonization in late adolescence
Sørensen M.1,2, Wickmann M.3,4, Sollid J.U.E.5, Furberg A.-S.6,7, Klingenberg C.A.1,2
1University Hospital of North Norway, Paediatric and Adolescent Medicine, Tromsø, Norway, 2UIT, The Arctic University of Norway, Paediatric Research Group, Department of Clinical Medicine, Faculty of Health Sciences, Tromsø, Norway, 3Karolinska Institute, Institute of Environmental Medicine, Stockholm, Sweden, 4Sachs’ Childrens Hospital, Södersjukhuset, Stockholm, Sweden, 5UIT, The Arctic University of Norway, Research Group for Host-Microbe Interactions, Department of Medical Biology, Faculty of Health Sciences, Tromsø, Norway, 6University Hospital of North Norway, Department of Microbiology and Infection Control, Tromsø, Norway, 7UIT, The Arctic University of Norway, Epidemiology of Chronic Diseases Research Group, Department of Community Medicine, Tromsø, Norway

1100 Distribution characteristics of the concentration of house dust mites in patients with allergic airway diseases
Li S.1, Luo J.2, Lan X.1, Chen Z.1, Hu J.1, Sun B.2
1Guangzhou Medical University, Guangzhou, China, 2State Key Laboratory of Respiratory Disease, Guangzhou City, China

1101 Evaluation of patients attending to an emergency department with suspicious of an allergic reaction
Salas M.1, Gómez F.1, Lacombe J.1, Barrionuevo E.1, Doña I.1, Perez N.1, Galindo L.1, Blanca M.1, Torres M.J.1
1Regional Hospital of Málaga-IBIMA, Allergy, Málaga, Spain

1102 Severity of anaphylaxis is associated to higher comorbidity. Analysis of hospitalized patients in Spain during the period 1998-2011
Nieto-Nieto A.M.1,2, González-Moreno A.1, Jiménez-Ruiz C.E.1, Farias-Aquino E.G.1, Peña-Acevedo Y.1, Vargas-Porras W.1, Macías-Iglesias J.1, Cordova-Ramos G.1, Tejedor-Alonso M.A.1,2
1Hospital Universitario Fundación Alcorcón, Unidad de Alergia, Alcorcón, Spain, 2Universidad Rey Juan Carlos, Escuela Internacional de Doctorado, Madrid, Spain, 3Universidad Rey Juan Carlos, Facultad de Medicina, Madrid, Spain

1103 Allergy to Aspergillus ochraceus: respiratory sensitizer for Indian allergy patients
Roy S.1, Pandey N.2, Gupta Bhattacharya S.1
1Bose Institute, Division of Plant Biology, Kolkata, India, 2Belle Vue Clinic, Kolkata, India

1104 Assessment of Fel d 1 allergen characteristics in domestic house cats
Stepnér N.1, Yang J.1, Yang W.H.1, Marcelo J.1, Kelly S.1, Boeckh D.1,2, Karsh J.1
1Red Maple Trials, Ottawa, Canada, 2Merivale Cat Hospital, Ottawa, Canada

1105 Allergic reaction induced by pollen in the upper respiratory tract affects eosinophils and basophils in peripheral blood as well as in the lower respiratory tract
Yonekura S.1, Okamoto Y.1
1Graduate School of Medicine, Chiba University, Otolaryngology Head and Neck Surgery, Chiba, Japan

1106 Clinical characteristics of the patients admitted to Allergy and Immunology Clinic (One-year surveillance study)
Aktas A.1, Bilgic F.1, Demirci Ü.1, Ellidokuz H.2
1Manisa Celal Bayar University, Manisa, Turkey, 2Dokuz Eylül University Medical Faculty, İzmir, Turkey

1107 Innovative nasal filters allow for allergen exposure monitoring and are acceptable to wear
Tyler S.1, Yarham R.1, Kukińska-Pijanka A.1, Kenney P.2,3, Sigsgaard T.1, Chapman M.D.1, Hindley J.1
1Indoor Biotechnologies, Cardiff, United Kingdom, 2Rhinix ApS, Aarhus, Denmark, 3Aarhus University, Aarhus, Denmark
**Poster Session (TPS 32) – Epidemiology of food allergy**

**Posters:**

**Poster Exhibition**

**Chairs:**
Michael Levin, South Africa  
Kate Grimshaw, United Kingdom

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<td>11:08</td>
<td>Patterns of food allergy in urban and rural populations – the EuroPrevall-INCO surveys</td>
<td>Wong G.1, Mahesh P.2, Ogrodovorova L.3, Leung T.F.1, EuroPrevall-INCO Study Group 1Chinese University of Hong Kong, Shatin, Hong Kong, China, 2Allergy Associates, Mysore, India, 3Siberian State Medical University, Tomsk, Russian Federation</td>
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<td>11:09</td>
<td>Study of patients with positive skin tests to LTP and/or profilin in a Mediterranean area</td>
<td>Fernandez J.1, Jimenez-Rodriguez T.1, Lindo-Gutarrastaina M.1, Canto-Reig V.1, Cuevas B.1, Gonzalez P.1, Flores-Pardo E.1, Soriano V.1, 1University Hospital Alicante, UMH, Allergy, Alicante, Spain, 2University Hospital San Juan de Alicante, Clinical Analysis, San Juan de Alicante, Spain</td>
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<td>11:10</td>
<td>Sensitization to profilin in Greek adults and correlation to oral allergy syndrome: results of a prospective study</td>
<td>Ilipoupolou A.1,2, Petsios C.2, Petrodimopoulou M.1, Konstantakopoulou M.1, Papadopoulou E.1, Passioli M.1, Mikos N.1, Kontogianni M.1, Kompoti E.1, 1Laikon General Hospital of Athens, Allergy, Athens, Greece, 2Harokopion University, Nutrition and Dietetics, Athens, Greece</td>
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<td>11:11</td>
<td>A retrospective study on clinical manifestations of fruits and vegetable allergy between adults and pediatric patients</td>
<td>Yasunobu T.1, 1Sapporo Tokushukai Hospital, Sapporo, Japan</td>
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<td>11:12</td>
<td>Egg’s allergy in adult: a case report</td>
<td>Gonzalez L.1, Moreno A.1, Fontela-Alcalfa J.L.1, Mira J.1, 1Hospital Virgen de la Luz, Cuenca, Spain</td>
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<td>11:13</td>
<td>Egg allergy: onset in adult age</td>
<td>Roa-Medellin D.1, Navarro J.2, Morales-Cabeza C.1, Rodrigue-Gamboa A.1, Rojas P.1, Baesa M.L.1, 1Hospital General Universitario Gregorio Marañon, Department of Allergy, Madrid, Spain, 2Hospital General Universitario Gregorio Marañon, Department of Immunology, Madrid, Spain</td>
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<td>11:14</td>
<td>Food allergy in a pediatric food allergy unit at Centro Hospitalar Porto, Portugal: two years of experience</td>
<td>Vieira L.1, Rezende L.1, Cunha L.1, Falcão H.2, 1Centro Hospitalar Vila Nova de Gaia, Immunology, Vila Nova de Gaia, Portugal, 2Centro Hospitalario de Porto, Immunology, Porto, Portugal</td>
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<td>11:15</td>
<td>Early associations with asthma in young children with cow’s milk allergy</td>
<td>Petrus N.C.M.1, Jansen van der Weide M.C.2, van Alkemade W.M.C.1, Sprikkelman A.B.1, 1Emma Children’s Hospital AMC, Pediatric Respiratory Medicine and Allergy, Amsterdam, The Netherlands, 2Emma Children’s Hospital AMC, Pediatric Research Center, Amsterdam, The Netherlands, 3University Medical Center Groningen, Pediatric Pulmonology and Pediatric Allergology, Groningen, The Netherlands</td>
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<td>11:16</td>
<td>Specific IgE patterns and confounding factors in food allergy</td>
<td>Bunu Panaitescu C.1, Tamas T.P.1, Marusciac L.1, Schoemann S.1, 1University of Medicine and Pharmacy ‘Victor Babes’, Timisoara, Romania</td>
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<td>11:17</td>
<td>Allergy to goat and sheep whey proteins without allergy to cow’s milk</td>
<td>Cárdenas Contreras B.1, Mateo Borrega B.1, Beita Mazuecos J.M.1, Vega Castro A.1, Alonso Llamazares A.M.1, Jimeno Nogales L.2, 1H.U. Guadalajara, Guadalajara, Spain, 2+D ALK Department, Madrid, Spain</td>
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<td>11:18</td>
<td>Tolerance to cow’s milk protein development in children with IgE mediated cow’s milk allergy</td>
<td>Barzylovych V.1, Barzylovych A.2, Pochinok T.1, Gudj M.2, 1Bogomolets National Medical University, Kiev, Ukraine, 2Clinic Oberg, Kiev, Ukraine</td>
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<td>11:19</td>
<td>Rare case of late onset of allergy to chicken egg white</td>
<td>Novakova S.1, Iliev Y.2, Novakova P.I.3, Bozhilov V.2, 1University Hospital ‘Sv. Georgi’, Allergy Unit, Plovdiv, Bulgaria, 2University Hospital ‘Sv. Georgi’, Clinic of Toxicology, Plovdiv, Bulgaria, 3Medical University, Plovdiv, Bulgaria</td>
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<td>11:20</td>
<td>An interesting case of persistent cow’s milk allergy in adulthood</td>
<td>Karamagiolas I.1, Gkavogiannakis N.1, Chliva C.1, Makris M.1, 1Food Allergy Outpatient Clinic, Allergy Unit ‘D.Kalogeromitros’, 2Clinic Oberig, Kiev, Ukraine, 3National Center for Child Health and Development, Division of Allergy, Department of Allergy &amp; Immunology, Tokyo, Japan</td>
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<tr>
<td>11:21</td>
<td>Cow’s milk allergy thought to be related to dog keeping: two case reports</td>
<td>Fukuie T.1,2, Kato Y.1, Sakai A.1, Taqui T.1, 1Hamamatsu University School of Medicine, Department of Pediatrics, Shizuoka, Hamamatsu, Japan, 2National Center for Child Health and Development, Tokyo, Japan</td>
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<td>11:22</td>
<td>Direct effects of fermented rice with lactobacillus paracasei CBA 674 on Th1/Th2 response in children with cow’s milk allergy</td>
<td>Paparo L.1, Nocerino R.2, Amoroso A.2, Aitoro R.2, Cosenza L.2, Carmen D.S.3, Berni Canani R.2,3,4, 1University of Naples ‘Federico II’, Department of Translational Medical Science, Portici, Italy, 2University of Naples Federico II, Department of Translational Medical Science, Naples, Italy, 3University of Naples ‘Federico II’, European Laboratory for the Investigation of Food Induced Diseases (ELFID), Naples, Italy, 4University of Naples ‘Federico II’, CEINGE – Advanced Biotechnologies, Naples, Italy</td>
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**Worldwide:**

**www.eaaci2016.org**
1123  Nutritional implications of elimination diet in patients with suspected food allergy
Wayne Shreffler, United States
Audrey Dunn Galvin, Ireland

1124  Risk-benefit assessment of nutritional immune interventions during early life
Van Bilsen J.1, Krul L.1, Kuper F.1, Wolterbeek A.1, Rouhani Rankouhi T.1, Verschuren L.1, Croessen H.1, Jeurink P.2,3, Garssen J.1,2,3, Knippels L.1,2, Garthoff J.2, Houben G.1, Leeman W.1

1125  The effect of anthropometric measurements made elimination diet due to food allergy
Boyuk Yaytokoğlu S.1, Guvenir H.2, Cuhaci Cakir B.1, Kara Uzun A.1, Koc N.3, Yaridmi H.1, Kocabas C.N.4, Civelek E.2

1126  Vitamins sufficiency in bottle-feeding children with food allergy
Sentsova T.1, Vorozhko I.1, Timopheeva A.1, Chernyak O.1, Revyakina V.1, Sokolnikov A.1

1127  Searching predictors for boiled egg oral challenge
Sato S.1, Yamamoto M.2, Inoue T.2, Yanagida N.2, Yamamoto M.2, Inoue T.2, Yanagida N.2, Ebisawa M.1

1128  Analysis on the characteristics of egg and milk allergy with low level of sIgE
Huang H.1, Sun B.1, Shi F.1, Zheng P.-Y.1, Wei N.-L.1

1129  Ana o 3-specific IgE antibodies improve diagnosis of cashew nut allergy in Japanese children
Sato S.1, Yamamoto M.2, Inoue T.2, Yanagida N.2, Ebisawa M.1

1130  Fluorescent immunosorbent assay for detection bovine β-lactoglobulin by a monoclonal antibody against human IgE binding epitope
He S.1,2,3, Li X.1,2, Gao L.1,2, Tong P.1, Chen H.1,3

1131  Structural analysis and allergenicity assessment of cross-linked bovine α-lactalbumin by polyphenol oxidase
Meng X.1, Xin L.1, Wu Y.2, Cheng W.2, Gao J.1, Tong P.1, Yang A.3,4, Wu Z.3,4, Chen H.3,4

1132  Dietary non-digestible oligosaccharides reduce the sensitizing capacity of deoxynivalenol in a dose-dependent manner
Veening-Griffioen D.1,2, Wehkamp T.1,2, Braber S.2,3, Garssen J.1,2, Knippels L.1,2, Jeurink P.1,2

1133  The role of activated leukocyte cell adhesion molecule (ALCAM) in food allergy murine model
Kim Y.S.1, Lee K.E.1, Hong J.Y.1, Kim M.N.1, Oh M.S.1, Kim K.W.1, Kim K.E.1, Sohn M.H.1

1134  New perspective in predicting of food tolerance in early age children with cow’s milk protein allergy
Petrovskaya M.1, Makarova S.1, Namazova-Baranova L.1, Zubkova I.1

1135  Usefulness of component-specific IgE identifying risk factors for severe kiwifruit allergy in children
Asaumi T.1, Yanagida N.1, Sato S.1, Ebisawa M.1

1136  Peanut sIgE sensitized without symptoms is caused by the tree pollen allergen
Luo W.1, Sun B.2

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1137 Age of patient at time of skin prick testing affects accuracy at predicting challenge outcome
Hsiao K.-C.1,2,3, Dharmage S.3,4, Tey D.1,2, Robinson M.1, Simmons J.1, Smart J.1,2
1The Royal Children’s Hospital, Department of Allergy and Immunology, Melbourne, Australia, 2Eworth Hospital, Richmond, Melbourne, Australia, 3Murdoch Childrens Research Institute, Melbourne, Australia, 4The University of Melbourne, Melbourne, Australia

1138 Milk components sensitivity with goat’s and sheep’s milk sensitivity in cow’s milk allergy: effects on prognosis
Demir E.1, Cigerci Gunaydin N.1, Ulusoy E.1, Bal C.M.2, Gulen F.1, Tanac R.1
1Ege University Faculty of Medicine, Department of Pediatrics, Pediatric Allergy and Immunology, Izmir, Turkey, 2Ege University Faculty of Medicine, Department of Pediatrics, Izmir, Turkey

1139 Peanut sensitization in infants – is it allergy?
Chong K.W.1, Chan M.F.1,2, Coh A.1,2, Rao R.1
1KK Women’s and Children’s Hospital, Paediatric Medicine, Allergy Service, Singapore, Singapore

1140 Open oral food challenge testing – a 90-month retrospective study
Duarte Ferreira R.1, Morais Silva P.2, Cabral Duarte F.1, Costa A.C.1, Pereira Barbosa M.1
1Northern Lisbon Hospital Center, Lisbon Academic Medical Center, Immunology and Allergology Service and University Department, Lisbon, Portugal, 2Portimão Hospital, Algarve Hospital Center, Immunology and Allergology Unit, Portimão, Portugal

1141 Food challenges in a secondary care setting – a service evaluation
Hubbard E.1, Kerrin D.1
1Barnsley Hospital NHSFT, Paediatrics, Barnsley, United Kingdom

1142 Determining the usefulness of allergometric tests in predicting the outcome of oral food challenges in Portuguese patients
Duarte Ferreira R.1, Cabral Duarte F.1, Costa A.C.1, Pereira Barbosa M.1
1Northern Lisbon Hospital Center, Lisbon Academic Medical Center, Immunology and Allergology Service and University Department, Lisbon, Portugal

1143 Which is the next nut to crack?
Kimkool P.1, Tibbott R.1, Clark A.1
1University of Cambridge, Cambridge, United Kingdom

1144 Knowledge and practices of general practitioners in UK about food allergy: a survey
Jampala C.S.1
1Harrogate and District Hospital NHS Trust, Paediatric Department, Harrogate, United Kingdom

1145 Safety profile of oral immunotherapy with cow’s milk and hen’s egg: a 10-year experience in controlled trials
Pajno G.1, Jampala C.S.1, Caminiti L.1, Chiera F.1, Crisafulli G.1, Salzano G.1, Arasi S.1, Passalacqua G.2
1Pediatric Allergy Unit, University of Messina, Messina, Italy, 2Allergy and Respiratory Diseases, IRCCS San Martino-IST-University of Genoa, Genoa, Italy

1146 The long-term prognosis of oral immunotherapy for eggs and cow’s milk allergy
Hirayama J.1, Nakao M.1, Fujisawa T.1, Itoh-Nagato N.2, Shimojo N.1, Iwata T.4
1Mie National Hospital, Institute for Clinical Research, Tsu, Japan, 2Shimoshizu National Hospital, Department of Pediatrics, Yotsukaido, Japan, 3Chiba University, Department of Pediatrics Graduate School of Medicine, Chiba, Japan, 4Tokyo Kasei University, Department of Education for Childcare, Faculty of Child Studies, Tokyo, Japan

1147 The influence of partially hydrolyzed formulae and probiotics in cow’s milk allergy in children
Kamenov B.1, Kamenov A.2, Tosis I.3, Vidanovic I.2, Kamenov S.4
1Medical Faculty, University of Nis, Nis, Serbia, 2Clinical Center Nis, Nis, Serbia, 3Health Center Nis, Nis, Serbia, 4Health Center Nis, department of pulmonology, Nis, Serbia

1148 Allergen-specific oral immunotherapy with wheat
Benito-Garcia F.1, Piedade S.1, Mota I.1, Morais-Almeida M.1
1CUF Descobertas Hospital, Immunology Department, Lisboa, Portugal

1149 Oral immunotherapy in children with IgE-mediated wheat allergy: is the treatment possible from the diagnosis moment?
Claver A.1, Botey E.1, Navarro B.1, Arancín E.1, Gómez C.1, Nevot S.1, Cisterer-İ Bahima A.1
1Alergia Deuxes, Hospital Universitario Quiron Deuxes, Barcelona, Spain

1150 Doses of major allergens in peanut associated with oral tolerance
Chapman M.1, Filep S.1, Block D.1, King E.1, Hindley J.2
1Indoor Biotechnologies Ltd, Cardiff, United Kingdom

1151 Allergen information on Indian processed packaged foods and their compliance with the food regulations
Singh M.1, Chandorkar S.1
1The Maharaja Sayajirao University of Baroda, Dept of Foods and Nutrition, Vadodara, India

1152 Systematic education for staffs of schools, nursery schools and kindergartens in pre-hospital care including adrenaline auto-injector use in an anaphylactic emergency
Ikeda M.1, Fujiy Y.1, Uehara H.2, Sekimoto K.2, Sugai K.2, Araki T.2, Yabuki T.3, Kikkawa T.3, Nosaka N.1, Yashiro M.1, Tsukahara H.3
1Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatric Acute Medicine, 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
1153 Food allergy education program at elementary school as science communication: a pilot study
Yamamoto-Hanada K.1, Honda T.2, Ishitsuka K.3, Kurihara J.1, Futamura M.4, Narita M.1, Ohya Y.1
1National Center for Child Health and Development, Department of Medical Subspecialties, Division of Allergy, Tokyo, Japan, 2National Museum of Emerging Science and Innovation, Learning and Collaboration Development Division, Tokyo, Japan, 3National Center for Child Health and Development, Department of General Pediatrics and Interdisciplinary Medicine, Tokyo, Japan, 4Nagoya Medical Center, Division of Pediatrics and Division of Allergy, Nagoya, Japan

1154 Impact of food allergy on quality of life – FAQLQ QUESTIONNAIRE
Aquiar R.1, Lopes A.1, Paes M.J.1, Spinola Santos A.1, Pereira-Barbosa M.1,2
1Hospital Santa Maria-Centro Hospitalar Lisboa Norte, 2University Santa Maria-Centro Hospitalar Lisboa Norte

1155 Instruction and key points regarding the use of adrenaline auto injector
1Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatric Acute Medicine, Okayama, Japan, 2National Hospital Organization Fukuyma Medical Center, Department of Pediatrics, Hiroshima, Japan, 3Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Department of Pediatrics, Okayama, Japan

Poster Session (LB TPS 5) – New treatment modalities in Immunotherapy

1524 Prevention and therapy of allergy by parasite derived immunomodulatory molecules
Drinic M.1, Schabussova I.1, Wagner A.1, Ruttkowski B.2, Joachim A.2, Wiedermann U.1
1Medical University of Vienna, ISPTM, Vienna, Austria, 2University of Vienna, Department of Paediatrics and Allergy Research, Vienna, Austria

1525 Generation of a hypoallergenic variant of the grass pollen allergen Phl p 7 as a vaccine for treatment of Phl p 7-sensitised patients
Rath M.1, Sonnleitner L.1,2, Zach D.1, Worszylo K.1, Focke M.3, Wank H.1, Graf T.1, Kuehn A.2, Pascal Capdevila M.6, Swoboda I.1
1FH Campus Wien - University of Applied Sciences, Molecular Biotechnology Section, Vienna, Austria, 2University of Applied Sciences Wiener Neustadt, Department of Biomedical Analytics, Wiener Neustadt, Austria, 3Medical University of Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Vienna, Austria, 4Luxembourg Institute of Health (LIH), Department of Infection and Immunity, Esch-sur-Alzette, Luxembourg, 5Hospital Clinic de Barcelona, Immunology Department, CDB, Barcelona, Spain

1526 How to turn birch pollen allergen Bet v 1a as hypoallergenic as Bet v 1d? By loading with retinoic acid
Hufnagl K.1, Wagner S.1, Raith M.1, Sonnleitner L.1,2, Zach D.1, Worszylo K.1, Focke M.3, Wank H.1, Graf T.1, Kuehn A.2, Pascal Capdevila M.6, Swoboda I.1
1The Interuniversity Messerli Research Institute of the University of Veterinary Medicine Vienna, Medical University Vienna and University Vienna, Comparative Medicine, Vienna, Austria, 2Technical University of Madrid, Department of Natural Systems and Resources, ETSI Montes, Madrid, Spain, 3University of Salzburg, Department of Molecular Biology, Salzburg, Austria, 4University of Salzburg, Division of Structural Biology & Bioinformatics, Department of Molecular Biology, Salzburg, Austria, 5Medical University Vienna, Dept. of Pathophysiology and Immunology Department, Lisbon, Portugal, 6University Clinic of Immunology and Allergy, Vienna, Austria

1527 Bet v 1 derived contiguos overlapping peptides activate human B- and T Cell responses in human
Kettner A.1, Reymond C.1, Duc S.1, Boand V.1, Thierry A.-C.2, Audran R.1, Spertini F.2
1Anergis SA, Epalinges, Switzerland, 2Centre Hospitalier Universitaire Vaudois (CHUV), Division of Immunology and Allergy, Lausanne, Switzerland

1528 Immunologic evaluation of the hypoallergenic birch pollen AIT vaccine candidate BM4 during toxicity testing
Aolas L.1, Stolz F.2, Chrusciel P.3, Jaakkola U.-M.4, Neubauer A.2, Ranta-Panula V.3, Jongejan L.4, van Ree R.4, Wallner M.1, Ferreira F.1
1University of Salzburg, Molecular Biology, Salzburg, Austria, 2Biomay AG.Vienna Competence Center, Vienna, Austria, 3Central Animal Laboratory of the University of Turku (UTUCAL), Turku, Finland, 4Academic Medical Centre, University of Amsterdam, Amsterdam, Netherlands

1529 Vitamin D3 improves the effects of low dose Der p 2 allergoid treatment in Der p 2 sensitised BALB/c mice
Petrarca C.1, Clemente E.2, Gatta A.2, Cortese S.3, Lamolinara A.1, Carpiniello F.1, Rossi C.4, Zanotta S.5, Di Gioacchino M.1,6
1Unit of Allergy and Immunotoxicology, Center of Ageing Science, University ‘G. d’Annunzio’ Foundation, Chieti Scalo, Italy, 2University ‘G. d’Annunzio’ of Chieti-Pescara, Department of Medicine and Ageing Science, Chieti Scalo, Italy, 3University ‘G.d’Annunzio’, Unit of Immuno-Oncology, Center of Ageing Science, Chieti Scalo, Italy, 4Research Center, Lofarma SpA, Milan, Italy, 5Department of Medicine and Ageing Science, University ‘G. d’Annunzio’ of Chieti-Pescara, Chieti Scalo, Italy, 6Unit of Allergy and Immunotoxicology, Center of Ageing Science, University ‘G. d’Annunzio’ of Chieti-Pescara, Chieti Scalo, Italy
1530 Long term effect of monophosphoryl-A-adjuvanted specific immunotherapy in children with grass pollen allergies
Zielen S.1, Gabrielpillai J.2, Schulze J.3, Herrmann E.4, Schubert R.2, Rosewich M.3
1Goethe-University, Allergy, Pneumology and Cystic Fibrosis, Frankfurt am Main, Germany, 2Goethe-University, Allergology, Pneumology and Cystic Fibrosis, Frankfurt, Germany, 3Goethe University, Allergology, Pneumology, and Cystic Fibrosis, Frankfurt, Germany, 4Goethe-University, Department of Biostatistics, Frankfurt, Germany

1531 Sublingual vaccination with self-adjuvanting virus-like particles against Group A streptococcus elicit protective immunity in systemic and mucosal sites: implication for allergen-specific immunotherapy
1Hallym University Sacred Heart Hospital, Department of Otorhinolaryngology-Head & Neck Surgery, Anyang-si, Korea, Republic of, 2University of Ulsan College of Medicine / Asan Medical Center, Mucosal Immunology Laboratory, Department of Convergence Medicine, Seoul, Korea, Republic of, 3The University of Queensland, Australian Institute for Bioengineering and Nanotechnology, St Lucia, QLD, Australia, 4The University of Queensland, Protein Expression Facility, St Lucia, QLD, Australia

1532 Enhanced sublingual immunotherapy by TAT-fused recombinant allergen in a murine rhinitis model
Salari F.1, Vahedi F.2, Varaesteh A.R.3, Ketabdar H.4, Sankian M.5
1School of Medicine, Kermanshah University of Medical Sciences, Department of Immunology, Kermanshah, Iran, Islamic Republic of, 2McMaster Immunology Research Centre, Department of Pathology and Molecular Medicine, Hamilton, Canada, 3Mashhad University of Medical Sciences, School of Medicine, Allergy Research Center, Mashhad, Iran, Islamic Republic of, 4Mashhad Branch, Islamic Azad University, Faculty of Sciences, Department of Biochemistry and Biophysics, Mashhad, Iran, Islamic Republic of, 5Mashhad University of Medical Sciences, School of Medicine, Immunology Research Center, Mashhad, Iran, Islamic Republic of

1533 Complex assessment of the effectiveness of sublingual immunotherapy and profile of specific IgE in inhalation immunoblots in monosensibilized patients receiving sublingual specific immunotherapy
Osipava A.V.1, Povny F.P.2, Kamysnykiv V.S.1
1Medical Academy of Postgraduate Education, Minsk, Belarus, 2Medical Centre Eleos, Minsk, Belarus

1534 Allergen immunotherapy in children-sublingual vs subcutaneous administration
Cunha L.1, Rezende I.1, Marques M.L.1, Moreira A.1, Abreu C.1, Falcão H.1
1Centro Hospitalar do Porto, Porto, Portugal

1535 Double-blind randomised multicentre clinical trial to evaluate the specific and non-specific effects of AIT with a grass and a birch pollen allergoid
Wagenmann M.1, Hohlfeld J.2, Tribanek M.3, Homolla V.3, Karjalainen M.3, Häfler D.3
1HNO-Klinik Universitätsklinikum, Düsseldorf, Germany, 2Fraunhofer ITEM, Hannover, Germany, 3Allergopharma GmbH & Co. KG, Development, Reinbek, Germany

1536 SCIT with an immunologically enhanced subcutaneous immunotherapy preparation is well tolerated in patients concomitantly treated with further allergy immunotherapy
Reiber R.1, Wolf H.2, Schnitker J.3, Wüstenberg E.4,5
1HNO-Praxis Reiber, Schorndorf, Germany, 2ALK-Abelló Arzneimittel GmbH, Clinical Development, Hamburg, Germany, 3Institut für angewandte Statistik GmbH, Bielefeld, Germany, 4,5ALK-Abelló Arzneimittel GmbH, Medical Department, Hamburg, Germany, 5Universitätsklinikum Carl Gustav Carus, Clinic for Otolaryngology, Dresden, Germany

1537 Allergen immunotherapy in children-sublingual vs subcutaneous administration
Cunha L.1, Rezende I.1, Marques M.L.1, Moreira A.1, Abreu C.1, Falcão H.1
1Centro Hospitalar do Porto, Porto, Portugal

1538 Tolerability and skin test reactivity after an injective course of parietaria carbamylated allergoid extract
Scalone G.1, Compalati E.2,3, MISTRELLO G.4
1School of Medicine, Kermanshah University of Medical Sciences, Department of Immunology, Kermanshah, Iran, Islamic Republic of, 2Medical Centre Eleos, Minsk, Belarus, 3Medical Academy of Postgraduate Education, Minsk, Belarus, 4Medical Center Eleos, Minsk, Belarus

1539 Wasp immunotherapy induces a long term and IgG4-independent protection
Albanesi M.1, Nico A.1, Gliberti L.1, Muolo L.1, Di Giacomo M.1, Kourtis G.1, Rucco A.1, Locente F.1, Di Bona D.1, Caiaffa M.F.1, Maccchia L.1
1University of Bari – Aldo Moro, Bari, Italy, 2University of Foggia, Foggia, Italy

Poster Session (LB TPS 6) – Clinical application of immunotherapy

Poster Exhibition
1541 Adverse events of allergen immunotherapy: results from over 2,500 records of a multinational ADverse Events Registry (ADER)


1. Children's Hospital ‘P. & A. Kiriakou’, University of Athens, Athens, Greece
2. Clinic of Allergy and Asthma, Medical University, Sofia, Bulgaria
3. University Clinic of Allergology and Immunology, Belgrade, Serbia
4. Tokuda Medical Center, Sofia, Bulgaria
5. University Medicine and Pharmacy Iuliu Hatieganu, Cluj-Napoca, Romania
6. Dpt. of Allergy and Clinical Immunology, University Hospital Center, Tirana, Albania
7. 424 General Military Training Hospital, Thessaloniki, Greece
8. University Clinic of Respiratory and Allergic Diseases, Golnik, Slovenia
9. Allergy Unit, 2nd Dpt. of Dermatology and Venereology, University of Athens, Athens, Greece
10. University School of Medicine, Dpt. of Allergy and Immunology, Ankara, Turkey
11. Clinical Hospital ‘Nicolea Malaxa’, Dpt. of Allergology, Bucharest, Romania
12. University Hospital Center, Zagreb, Croatia
13. Hospital Center, Durrres, Albania
14. Clinical Hospital Sveti Duh, Zagreb, Croatia
15. Children’s Hospital Srebrenjak, Zagreb, Croatia
16. Clinical Trials Unit, Imperial College, London, United Kingdom

The multinational allergen immunotherapy ADverse Events Registry (ADER) reveals large heterogeneity in practice


1. Children’s Hospital ‘P. & A. Kiriakou’, University of Athens, Athens, Greece
2. Clinic of Allergy and Asthma, Medical University, Sofia, Bulgaria
3. Allergy Unit, 2nd Dpt. of Dermatology and Venereology, University of Athens, Athens, Greece
4. University Clinic of Allergology and Immunology, Belgrade, Serbia
5. Tokuda Medical Center, Sofia, Bulgaria
6. University Medicine and Pharmacy Iuliu Hatieganu, Cluj-Napoca, Romania
7. Dpt. of Allergy and Clinical Immunology, University Hospital Center, Tirana, Albania
8. 424 General Military Training Hospital, Thessaloniki, Greece
9. University Clinic of Respiratory and Allergic Diseases, Golnik, Slovenia
10. Allergy Unit, 2nd Dpt. of Dermatology and Venereology, University of Athens, Athens, Greece
11. University School of Medicine, Dpt. of Allergy and Immunology, Ankara, Turkey
12. Clinical Hospital ‘Nicolea Malaxa’, Dpt. of Allergology, Bucharest, Romania
13. University Hospital Center, Zagreb, Croatia
14. Hospital Center, Durrres, Albania
15. Clinical Hospital Sveti Duh, Zagreb, Croatia
16. Children’s Hospital Srebrenjak, Zagreb, Croatia
17. Clinical Trials Unit, Imperial College, London, United Kingdom

Grass pollen cluster immunotherapy: safety aspects

1547 Anaphylaxis knowledge among emergency doctors of a tertiary hospital
Brás J. , Correia M ., Lozoya-Ibáñez C., Borrego L.M. 1
1University of Beira Interior, Faculty of Health Sciences, Covilhã, Portugal, 2CUF Descobertas Hospital, Allergy Center, Lisbon, Portugal, 3Hospital Central do Funchal, SESARAM, EPE, Immunology Department, Funchal, Madeira, Portugal, 4Castelo Branco Local Health Unit, Allergy Department, Castelo Branco, Portugal, 5University of Beira Interior, CICS-Health Sciences Research Centre, Covilhã, Portugal, 6CEDOC, NOVA Medical School - Faculdade de Ciências Médicas, Immunology Department, Lisbon, Portugal

1548 Prescription of adrenaline auto-injectors to 1145 Japanese outdoor workers in 2015
Tatewaki M , Hirata H , Sugiyama K , Fukushima Y. 1
1Dokkyo Medical University Koshigaya Hospital, Saitama, Japan

1549 Schools with no allergic pupils registered are poorly prepared to manage an allergic reaction. A review of the current preparedness status of Cumbrian schools
Raptis G. 1, Michaelis L. 2
1Royal Hospital for Sick Children, Paediatic Allergy, Glasgow, United Kingdom, 2Great North Children's Hospital Newcastle Upon Tyne, Paediatric Allergy, Newcastle Upon Tyne, United Kingdom

1550 The evaluation of the approach of anesthetists to allergic diseases
Ozmert S. , Dibek Misirlioglu E. , Sever F. , Ozment G. , Misirlioglu F. , Kocabas C.N. 1
1Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Anesthesiology, Ankara, Turkey, 2Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 3Etilik Zubeyde Hanım Women’s Health Teaching and Research Hospital, Department of Anesthesiology, Ankara, Turkey, 4Dr. Sami Ulus Obstetrics and Pediatrics Research and Educational Hospital, Department of Anesthesiology, Ankara, Turkey, 5Mugla Sıtkı Koçman University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Muğla, Turkey

1551 FOXP3 gene promoter polymorphism affects susceptibility to preeclampsia
Naderi N. 1, Nourozian M. 1, Rajai M. 1, Arabpoor F. 1
1Hormozgan University of Medical Sciences, Bandarabbas, Iran, Islamic Republic of

1552 Assessing chemokine as a novel clinical marker of endometriosis
Chou Y.-C. , Tzeng C.-R. 1
1Taipei Medical University, Department of Obstetrics & Gynecology, Taipei, Taiwan, Province of China, 2Center for Reproductive Medicine Taipei Medical University Hospital, Taipei, Taiwan, Province of China

The differences in gene expression related to the results of obesity treatment, peak oxygen uptake and fatty acids metabolism measured in cardiopulmonary exercise test
Gruchala-Niedoszytko M. 1, Niedoszytko P. 1, van der Vlies P. 2, M N. 2, Sanjabi B. 1, Gierat-Haponiuk K. 3, Kaczkan M. 1, Pleszko M. 1, Sliwinska A. 1, Jassem E. 4, Bakula S. 2, Malgorzewicz S. 1
1Medical University of Gdańsk, Clinical Nutrition, Gdańsk, Poland, 2Medical University of Gdańsk, Medical Rehabilitation, Gdańsk, Poland, 3University Medical Center Groningen, Genetics, Groningen, Netherlands, 4Medical University of Gdańsk, Allergology, Gdańsk, Poland

An examination of the health related quality of life in a Russian sample of children aged 0-12 years: cross cultural differences and relationship with maternal generalised anxiety disorder
Dunn Galvin A. 1, Treneva M. 2, Grebenko A. 2, Pampura A. 2, Munblit D. 1, 8
1University College Cork, Cork, Ireland, 2Veltischev Clinical Pediatric Research Institute of Pirogov Russian National Research Medical University, Allergy Department, Moscow, Russian Federation, 3City Clinical Hospital №31, Moscow, Russian Federation, 4Imperial College London, London, United Kingdom, 5International Inflammation (in-FLAME) Network of the World Universities Network, London, United Kingdom

Impact on the family economy of a prescription not attached to asthma management guidelines
De La Cruz E. 1, Rojo M.I. 1, Castillo G. 1, Mellado J. 1
1Hospital Juárez de México, Allergy and Immunology, Mexico City, Mexico

Non-tuberculous pulmonary cavitary diseases of childhood
Nursoy M.A. 1, Cakir E., Gedik A.H. 1, Ari E.A. 1, Cakir F.B. 1, Uzuner S. 1, Bilgin M.A. 1, Ziyade S. 1
1Bezmialem Vakif University, Istanbul, Turkey

Evaluation of effect inhaled budesonide in bronchopulmonary dysplasia in premature neonatal/*
Heidarzadeh Arani M. 1, Safai A. 1, Khosrovi M. 1
1Kashan University of Medical Science, Kashan, Iran, Islamic Republic of
New strategy for CTA: building on past success

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<td><strong>Poster Session (TPS 34) – Asthma management</strong></td>
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<td><strong>1156</strong> Efficacy of omalizumab in atopic asthmatic patients with peripheral blood eosinophilia: a retrospective study</td>
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<td>Watts T.J.1, Watts S.2</td>
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<td>1Guy’s and St Thomas’ NHS Foundation Trust, Department of Adult Allergy, London, United Kingdom, 2East Surrey Hospital, Redhill, Surrey, United Kingdom</td>
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<td><strong>1157</strong> Six years of omalizumab in patients with severe asthma: experience of a reference center</td>
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<td>Vieira L.1, Oliveira M.J.2, Ferreira J.A.1, Rosmaninho I.1, Guilherme A.1, Malheiro D.1, Moreira da Silva J.1, Carvalho A.2, Lima R.2</td>
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<td>1Centro Hospitalar Vila Nova de Gaia, Immunologia, Vila Nova de Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia, Pneumologia, Vila Nova de Gaia, Portugal</td>
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<td><strong>1158</strong> Benefits of omalizumab in obese patients with severe asthma</td>
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<td>Vieira L.1, Oliveira M.J.2, Ferreira J.A.1, Rosmaninho I.1, Guilherme A.1, Malheiro D.1, Moreira da Silva J.1, Carvalho A.2, Lima R.2</td>
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<td><strong>1159</strong> Omalizumab therapy in asthma—COPD overlap syndrome (ACOS) and its effects on sIL-2, sIL-4, sIL-6, sIL-10, TNF-α, sIFN-γ, and sIL-17 levels</td>
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<td>Yalcin A.D.1, Celik B.2, Yalcin A.N.3</td>
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<td>1Academia Sinica, Genomics Research Center, Taipei, Taiwan, 2Antalya Education and Research Hospital, Department of Pathology, Antalya, Turkey, 3Akdeniz University, Antalya, Turkey</td>
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<td><strong>1160</strong> Clinical effectiveness of a new dry powder inhaler for asthma and chronic obstructive pulmonary disease (COPD): observations in real world medical practice</td>
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<td>1Centro Hospitalar Vila Nova de Gaia, Immunologia, Vila Nova de Gaia, Portugal, 2Centro Hospitalar Vila Nova de Gaia, Pneumologia, Vila Nova de Gaia, Portugal</td>
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<td><strong>1161</strong> Effect of treatment with tiotropium bromide 18 mcg on asthma-related quality of life in patients with asthma-COPD overlap syndrome</td>
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<td>Feschenko Y.1, Iashyna L.1, Nazarenko K.1, Zvol I.1, Moskalenko S.1</td>
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<td>1State Organization “National Institute of Phthisiology and Pulmonology named after F.G. Yanovsky NAMS of Ukraine”, Kyiv, Ukraine</td>
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**Notes:**
- **TPS 34** refers to Poster Session 34.
- **EBC** stands for Exhaled Breath Condensate.
- **ACOS** stands for Asthma-COPD Overlap Syndrome.
- **COPD** stands for Chronic Obstructive Pulmonary Disease.
- **EBC pH** is the pH level in exhaled breath condensate.
1168 Overweight effects in lung function and dyspnoea perception during methacholine challenge test
Carneiro-Leão L.1, Martins C.1, Vilela A.1, Miranda M.1, Plácido J.L.1
1Centro Hospitalar de São João, Serviço de Imunologia, Porto, Portugal

1169 Utility of fractional exhaled nitric oxide tests in predicting therapeutic responsiveness to inhaled corticosteroids among chronic cough patients: a systematic review
Song W.-J.1, Lim K.-H.2, Moon S.-D.1, Kang S.-Y.1, Kim M.-Y.1, Park H.-W.2, Chang Y.-S.1, Lee B.-J.1, Choi D.-C.3, Cho S.-H.1
1Seoul National University Hospital, Seoul National University College of Medicine, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul, Korea, Republic of; 2Armed Forces Capital Hospital, Department of Internal Medicine, Seoul, Korea, Republic of; 3Seoul National University Bundang Hospital, Seoul National University College of Medicine, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul, Korea, Republic of; 4Seoul National University College of Medicine, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul, Korea, Republic of; 5Seoul National University College of Medicine, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul, Korea, Republic of; 6Seoul National University College of Medicine, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul, Korea, Republic of

1170 Severe asthma – when there’s something else
Pita J.1, Ribeiro C.1, Fernandes R.A.1, Loureiro C.1, Todo-Bom A.1
1Centro Hospitalar e Universitário de Coimbra, Allergy and Clinical Immunology, Coimbra, Portugal

1171 Impulse oscillometry is not suitable to measure bronchoconstriction during methacholine challenge in overweight patients
Martins C.1, Carneiro-Leão L.1, Vilela A.1, Miranda M.1, Plácido J.L.1
1Centro Hospitalar de São João, Serviço de Imunologia, Porto, Portugal

Poster Session (TPS 35) – Immunopathology and inflammation in allergic airway disease

Chairs: Diana Deleanu, Romania
Gail Gauvreau, Canada

1173 The impact of claudin-4, an epithelial gatekeeper on asthma
1Soochunhyang University Bucheon Hospital, Internal Medicine, Bucheon, Korea, Republic of; 2Soochunhyang University Bucheon Hospital, Bucheon, Korea, Republic of

1174 Palivizumab prophylaxis, respiratory syncytial virus and subsequent development of asthma
Igde M.1, Kabasakal H.2, Ozturk O.2, Karatekin G.4, Aygun C.5
1Samsun Education and Research Hospital, Department of Pediatrics, Division of Allergy and Immunology, Samsun, Turkey; 2Samsun Education and Research Hospital, Department of Pediatrics, Samsun, Turkey; 3Atakum Community Health Center, Samsun, Turkey; 4Zeynep Kamil Maternity and Children’s Training and Research Hospital, Department of Pediatrics, Division of Neonatology, Istanbul, Turkey; 519 Mayıs University Faculty of Medicine, Department of Pediatrics, Division of Neonatology, Samsun, Turkey

1175 The investigation of recurrent wheezing frequency in palivizumab applied babies
Igde M.1, Kabasakal H.2, Karatekin G.2, Aygun C.2
1Samsun Education and Research Hospital, Department of Pediatrics, Samsun, Turkey; 2Zeynep Kamil Maternity and Children’s Training and Research Hospital, Department of Pediatrics, Division of Neonatology, Istanbul, Turkey; 319 Mayıs University Faculty of Medicine, Department of Pediatrics, Division of Neonatology, Samsun, Turkey

1176 Clinical and immunological features of the phenotype of bronchial asthma with comitant syndrome secondary immune deficiency
Churyukina E.1, Sizyukina L.1
1Rostov State Medical University, Rostov-on-Don, Russian Federation

1177 IgE+ B cells increase in the airways following whole lung allergen challenge in mild allergic asthmatics
Oliveria J.P.1, Salter B.M.1, Phan S.1, Obminski C.D.1, Munoz C.E.1, Smith S.G.1, Scime T.X.1, Watson R.1, Howie K.1, Sehmi R.1, Gauvreau G.M.1, McMaster Cardio-Respiratory Lab
1McMaster University, Medicine, Hamilton, Canada

1178 Correlation of IL-4, total and specific IgE against dermatophagoides pteronissimus with allergic skin tests in asthmatic subjects
Prijavorac B.1, Sejdićović R.1, Delićki A.2, Jusufović E.3, Hantalašević L.4, Čaušević A.5, Malenica M.6, Bego T.6, Dujić T.7, Šaranović L.4, Mujarić E.4, Krajinac K.7
1General Hospital Tešanj, Internal Medicine, Tešanj, Bosnia and Herzegovina; 2General Hospital Tešanj, Tešanj, Bosnia and Herzegovina; 3Health Center Tuzla, Tuzla, Bosnia and Herzegovina; 4Cantonal Hospital Zenica, Internal Medicine, Zenica, Bosnia and Herzegovina; 5Faculty of Pharmacy Sarajevo, Biochemistry, Sarajevo, Bosnia and Herzegovina; 6Faculty of Pharmacy Sarajevo, Biochemistry, Sarajevo, Bosnia and Herzegovina; 7University Pittsburgh, Pittsburgh, United States

1179 Allergic bronchopulmonary aspergillosis in allergic diseases sensitized with mold: single center experience
Demirturk M.1, Isik S.R.1, Unal D.1
1Yedikule Training and Research Hospital, Istanbul, Turkey
1180 Body composition parameters in asthmatic children receiving inhaled fluticasone propionate treatment
Daldaban Sarica B.1, Koksal R.2, Yilmaz Ozbek O.2
1Baskent University Ankara Hospital, Pediatrics, Ankara, Turkey, 2Baskent University Ankara Hospital, Pediatric Allergy, Ankara, Turkey

1181 The relationship between body mass index and inflammatory pattern induced in adult asthmatic patients
de Baravazara S.1
1Hospital San Roque-Hospital Pediatrico, Alergia e Imunologia, Cordoba, Argentina

Chair: Bryan L. Martin, United States

1182 Results of the cross sectional phase of the PROXIMA study, an Italian observational two phase study of severe allergic asthma patients to determine the prevalence of perennial vs. seasonal asthma and to evaluate asthma control
Baragaglia E.1, Bucca C.2, Zappa M.C.3, Berlandis M.4, Michetti G.5, Rignani L.6, Canonica W.G.7, PROXIMA
1A.O.U. Senese Polclinico Le Scotte, U.O.C. Pneumologia Universitaria, Siena, Italy, 2A.O.U Molinette, S.C.U. Pneumologia, Turin, Italy, 3Ospedale Sandro Pertini, S.C. Pneumologia, Roma, Italy, 4A.O. Spedali Civili, Pneumologia, Brescia, Italy, 5A.O. Papa Giovanni XXIII, Pneumologia, Bergamo, Italy, 6Novartis Farma, Medical Department, Origgio, Italy, 7University of Genoa, IRCCS AOU San Martino, Allergy and Respiratory Diseases, DIMI, Genoa, Italy

1183 Asthma-copd overlap syndrome (ACOS) versus “pure” COPD: a distinct phenotype?
1Auvegner, University, Pulmonary-Allergology Dpt, Clermont-Ferrand, France, 2Aix Marseille Université, Département des Maladies Respiratoires, AP-HM, Marseille, France, 3Pulmonary Dpt, Clinique des Voies Respiratoires Hôpital Larrey, Toulouse, France, 4Univeristé Paris Descartes (EA2511), Sorbonne Paris Cité, Service de Pneumologie, Hôpital Cochin, AP-HP, Paris, France, 5St Etienne University, Pulmonary Dpt, Saint-Etienne, France, 6Lyon University, Pulmonary Dpt, Lyon, France, 7CHU Maison Blanche, Pulmonary Dpt, Reims, France, 8CHU Albert Calmette, Pulmonary Dpt, Lille, France, 9Effi-Stat, Paris, France

1184 Chronic co-morbidities increase burden and costs of persistent asthma
Kauppi P.1,2, Linna M.3, Jantunen J.4, Martikainen J.E.5, Hahtela T.1, Pelkonen A.1, Mäkelä M.1
1Helsinki University Hospital, Skin and Allergy Hospital, Department of Allergy, Helsinki, Finland, 2Helsinki University, Respiratory Diseases and Allergology, Helsinki, Finland, 3Aalto University, Department of Industrial Engineering and Management, Helsinki, Finland, 4South Karelia Allergy and Environment Institute, Lappeenranta, Finland, 5Social Insurance Institution, Research Department, Helsinki, Finland

1185 Qualitative evidence of content validity of the SGRQ in patients with severe asthma
Nelsen L.M.1, Albers F.C.2, Cockle S.3, Jones P.W.4, Brusselle G.5, Kimel M.6
1GSK, Value Evidence and Outcomes, Collegeville, United States, 2GSK, Respiratory Medical Franchise, Research Triangle Park, United States, 3GSK, Value Evidence and Outcomes, Brentford, United Kingdom, 4GSK, Respiratory Medical, Brentford, United Kingdom, 5Ghent University Hospital, Department of Respiratory Medicine, Ghent, Belgium, 6Evidra, Bethesda, United States

Asthma – COPD overlap syndrome (ACOS) – how often we need this diagnosis in clinical practice
Dantes E.1,2, Fildan A.P.3,4, Pirri D.5
1University Ovidius Constanta, Faculty of Medicine, Constanta, Romania, 2Clinical Pneumology Hospital, Pneumology I Adults, Constanta, Romania, 3Clinical Pneumology Hospital, Pneumology II Adults, Constanta, Romania, 4Medstar Clinic Hospital, Allergy and Respiratory Medicine Department, Constanta, Romania

Obesity risk class and asthma outpatient service utilization by the middle aged and elderly in Taiwan
1College of Medicine, National Cheng Kung University, Institute of Gerontology, Tainan, Taiwan, 2National Cheng Kung University, Tainan, Taiwan, 3National Cheng Kung University, Economics, College of Social Sciences, Tainan, Taiwan

The diagnosis of bronchial asthma (BA) in young men
Títova O.1, Volchkov V.2, Shagova L.3
1Clinical Immunology and Allergy Division, University of South Bohemia, Czech Republic, 2Medical University of South Bohemia, University Hospital, Department of Respiratory Medicine, Ceske Budejovice, Czech Republic, 3St. Petersburg State Peter and Paul University, Medical Pediatrics, Saint Petersburg, Russia

The relationship between body mass index and inflammatory pattern induced in adult asthmatic patients
de Baravazara S.1
1Hospital San Roque-Hospital Pediatrico, Alergia e Imunologia, Cordoba, Argentina

Decreasing inhaled corticosteroid dose is associated with lower body mass index in patients with asthma
Pacheco R.R.1, Pedroso N.F.2, Maya A.3, Takeijima P.4, Marcelo A.1, Jorge K.1, Giavina-Bianchi P.5, Agondi R.1
1Clinical Immunology and Allergy Division, University of Sao Paulo, Sao Paulo, Brazil
1191 Evaluation of patients with severe asthma eligible for treatment with mepolizumab or omalizumab, according to EU criteria
   Albers F.C.1, Cockle S.2, Gunsoy N.B.2, Nelsen L.M.3, Mullerova H.7
   1GlaxoSmithKline, Research Triangle Park, NC, United States, 2GlaxoSmithKline, Stockley Park, Uxbridge, United Kingdom, 3GlaxoSmithKline, Collegeville, PA, United States

1192 Lower airway viral infections in acute exacerbation of Korean adult asthmatics compared with COPD patients
   Kim M.S.1, Kim J.N.2, Park J.S.3, Park C.S.3
   1Soonchunhyang University Gumi Hospital, Division of Allergy and Respiratory Medicine, Gumi-si, Korea, Republic of, 2Genome Research Center for Allergy and Respiratory Diseases, Bucheon, Korea, Republic of, 3Soonchunhyang University Bucheon Hospital, Division of Allergy and Respiratory Medicine, Bucheon, Korea, Republic of

1193 Alexithymia related to control, severity and adherence in asthmatic patients: pilot study in Ecuador
   Calderón J.C.1,2, Chérez Díeda I.1,2, Reyes F.1, Beltrán P.2, Calero E.2, Chérez A.2
   1Universidad Espiritu Santo, School of Medicine, Samborondón, Ecuador, 2RespiraLab, Guayaquil, Ecuador, 3Hospital IESS Portoviejo, Portoviejo, Ecuador, 4Heidelberg University, Heidelberg, Germany

1194 Relationship between personal, socioeconomic, environmental factors and the level of asthma control in Polish adolescents
   1Jagiellonian University Medical College, Department of Pediatrics, Krakow, Poland, 2Center for Lung Diseases Treatment and Rehabilitation, Department of Respiratory Tract Diseases for Children, Lodz, Poland, 3Medical University of Lodz, Department of Pediatrics and Allergy, Lodz, Poland, 4Regional Center of Allergology, Pulmonology and Cystic Fibrosis, Gdansk, Poland, 5Warsaw Medical University, Department of Pediatric Pulmonology and Allergy, Warsaw, Poland, 6Medical University of Lodz, Department of Pediatric Allergology, Gastroenterology, and Nutrition, Lodz, Poland, 7Allergy Out-Patient Clinic for Children, Olkusz, Poland

Poster Session (TPS 37) – Respiratory allergic disease in childhood

Chair: Adam Fox, United Kingdom

1195 Elevated exhaled nitric oxide in healthy adolescents relates to incident Aeroallergen-induced allergic symptoms within 15 years
   Wikström A.1,2, Nordvall L.2, Janson C.1, Alving K.2, Malinovschi A.1
   1Uppsala University, Medical Sciences, Uppsala, Sweden, 2Uppsala University, Women’s and Children’s Health, Uppsala, Sweden

1196 Are children with asthma in South Korea also associated with vitamin D deficiency?
   Chung J.T.1,2, Seo S.1, Yoo Y.1, Yoon W.1, Song D.1
   1Korea University, Pediatrics, Seoul, Korea, Republic of, 2Korea University Medical Center, The Environmental Health Center for Asthma, Seoul, Korea, Republic of

1197 The role of neuropeptides in the formation of bronchial asthma in preterm infants with respiratory disorders
   Kyslova I.1, Mazulov O.1, Yablov O.1
   1Vinnitsa National Medical University, Pediatrics №1, Vinnitsa, Ukraine

1198 Significance of asthma control test and correlation between FEV1 in school children with asthma
   Kamenov A.1, Vidanovic I.1, Tomic M.2, Kamenov S.3, Kamenov B.4
   1Clinical Centar Nis, Nis, Serbia, 2Health Center Nis, Nis, Serbia, 3Health Center Nis, department of pulmology, Nis, Serbia, 4Medical Faculty, University of Nis, Nis, Serbia

1199 Hyperimmunoglobulinemia E’s role in children with asthma associated gastrointestinal reflux disease
   Adam I.1, Selevestru R.1, Sciuca S.1
   1State Medical and Pharmaceutical University, Department of Pediatrics, Chisinau, Republic of Moldova

1200 Relationship of smoking and peripheral blood phagocytes oxidative burst in asthmatic school children
   Kamenov S.1, Tomic M.1, Kamenov A.2, Vidanovic I.3, Kamenov B.3
   1Health Center Nis, Pediatrics, Nis, Serbia, 2Clinical Center Nis, Nis, Serbia, 3Faculty of Medicine, University of Nis, Nis, Serbia

1201 Omalizumab experiences in the pediatric allergic unit
   Bostanci I.1, Ozmen S.1, Ertugrul A.1, Senol Emeksziz Z.2, Ercan N.1
   1Sami Ulus Women’s and Children’s Training and Research Hospital, Pediatric Allergy Immunology, Ankara, Turkey, 2Sami Ulus Women’s and Children’s Training and Research Hospital, Pediatric Allergy Immunology, Ankara, Turkey

1202 Asthma severity in children with atopic dermatitis and allergic rhinitis
   Kamenov S.1, Tomic M.1, Kamenov A.2, Vidanovic I.3, Kamenov B.4
   1Health Center Nis, Pediatrics, Nis, Serbia, 2Health Center Nis, Nis, Serbia, 3Clinical Center Nis, Nis, Serbia, 4Faculty of Medicine, University of Nis, Nis, Serbia
1203 Clinical analysis of allergic rhinitis in children in the first three years of age
Yükselen A. 1
1Baskent University Istanbul Hospital, Pediatric Allergy and Immunology, Istanbul, Turkey

1204 Complications of allergic rhinitis in children
Hawisa S.T. 1, Aoun R.S. 2
1Tripoli University, Microbiology and Immunology, Tripoli, Libya, 2Sabratha Teaching Hospital, Paediatrics, Sabratha, Libya

1205 The prevalence of allergic rhinitis in children with habitual snoring and adenotonsillar hypertrophy in HRH Princess Maha Chakri Sirindhorn Medical Center, Thailand
Chansakulporn S. 1, Charoenying Y. 1
1Srinakharinwirot University, Pediatrics, Nakhon Nayok, Thailand

1206 Serum concentrations of soluble membrane receptor CD30 in children with allergic rhinitis
Bulgakova V.A. 1, Balabolkin I.I. 2
1Scientific Centre of Children Health, Moscow, Russian Federation, 2Scientific Centre of Children Health, Institute of Pediatrics, Moscow, Russian Federation

1207 MP-AzeFlu* for nasal and ocular symptom relief in children with seasonal allergic rhinitis: importance of child symptom assessment
Berger W. 1,2, Meltzer E.O. 3, Amar N. 4, Muraro A. 5, Wickman M. 6,7, Just J. 8,9, Fox A.T. 10, Nieto A. 11, Valovirta E. 12,13, Bousquet J. 14,15,16
1Allergy and Asthma Associates, Mission Viejo, United States, 2University of California, School of Medicine, Irvine, United States, 3Allergy and Asthma Medical Group and Research Center, San Diego, United States, 4Allergy & Asthma Research Institute, Waco, United States, 5Pedua General University Hospital, Department of Mother and Child Health, Padua, Italy, 6Karolinska Institute, National Institute of Environmental Medicine, Stockholm, Sweden, 7Sachs’ Childrens Hospital, Department of Pediatrics, Stockholm, Sweden, 8Hospital d’Enfants Armand-Trousseau, Allergology Department, Paris, France, 9Sorbonne Universites, Institut Pierre Louis d’Epidemiologie et de Sante Publique, Paris, France, 10St Thomas’ Hospital/King’s College London, Paediatric Allergy, London, United Kingdom, 11Children’s Hospital La Fe, Pediatric Allergy & Pneumology Unit, Valencia, Spain, 12University of Turku, Department of Lung Diseases & Clinical Allergology, Turku, Finland, 13Terveystalo Allergy Clinic, Turku, Finland, 14University Hospital, Montpellier, France, 15MACVIA-LR, European Innovation Partnership on Active and Healthy Aging Reference Site, Montpellier, France, 16INSERM U 11 68, Paris, France

IMPACT POSTERS
MP-AzeFlu* and time to clinically-meaningful response in children with seasonal allergic rhinitis: importance of child symptom assessment
Impact of obesity and overweight on lung function in Asian children in Taiwan: PATCH study
Impact of obesity and overweight on lung function in Asian children in Taiwan: PATCH study

1208

Poster Session (TPS 38) – Epidemiology of allergic diseases in childhood
Poster Exhibition

Chairs: Nicola Jay, United Kingdom
Bradley E. Chipp, United States

1209 Nutritional status and meal patterns in allergic children during immunotherapy
Wasilewska E. 1, Ziółkowska A. 2, Malgorzewicz S. 2, Kaczmorzewska-Hac B. 3, Jassem E. 1
1Medical University, Allergology, Gdańsk, Poland, 2Medical University,Clinical Nutrition, Gdańsk, Poland, 3University of Physical Education and Sport, Occupational Therapy, Gdańsk, Poland

1211 Impact of obesity and overweight on lung function in Asian children in Taiwan: PATCH study
Huang J.-L. 1, Yao T.-C. 1, Yeh K.-W. 1, Lai S.-H. 1, Tsai H.-J. 2, Chang S.-W. 3, Hua M.-C. 4, Liao S.-L. 4, Tsai M.-H. 4, PATCH Study Group
1Chang Gung Memorial Hospital, Department of Pediatrics, Taoyuan, Taiwan, 2National Health Research Institutes, Institutes of Population Health Sciences, Maioli, Taiwan, 3Chang Gung University, Clinical Informatics and Medical Statistics Research Center, Taoyuan, Taiwan, 4Chang Gung Memorial Hospital at Keelung, Department of Pediatrics, Keelung, Taiwan

Impact of obesity and overweight on lung function in Asian children in Taiwan: PATCH study

1210 Nutritional status, growth and genetic potential height in children with food allergies in Harapan Kita Women and Children Hospital
Sari N.I.N. 1
1Harapan Kita Women and Children Hospital, Child Health Department, Jakarta, Indonesia

Impact of obesity and overweight on lung function in Asian children in Taiwan: PATCH study

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1212 Obesity and overweight among Asian children in Taiwan: prevalence and impact on exhaled nitric oxide
Yao T.-C.1, Tsai H.-T.1, Chang S.-W.1, Hua M.-C.1, Liao S.-L.1, Tsai M.-H.1, Lai S.-H.1, Yeh K.-W.1, Huang J.-L.1, PATCH Study Group
1Chang Gung Memorial Hospital, Department of Pediatrics, Taoyuan, Taiwan, 2National Health Research Institutes, Institutes of Population Health Sciences, Miaoli, Taiwan, 3Chang Gung University, Clinical Informatics and Medical Statistics Research Center, Taoyuan, Taiwan, 4Chang Gung Memorial Hospital at Keelung, Department of Pediatrics, Keelung, Taiwan

1213 Comparison of infantile allergic disease prevalence with a 12 year interval (2nd report)
Sugizaki C.1, Goto F.1, Sato S.1, Yanagida N.1, Ebisawa M.1
1Sagamihara National Hospital, Sagamihara, Kanagawa, Japan

1214 Trends of early childhood atopic eczema incidence – results from the Ulm Birth Cohort Studies
Gennett J.1,2, Braig S.1, Logman C.A.1, Weiss J.M.1,3, Brenner H.4, Rothembacher D.1
1Ulm University, Institute of Epidemiology and Medical Biometry, Ulm, Germany, 2Member of ‘In-FLAME’ the International Inflammation Network, World Universities Network (WUN), Ulm, Germany, 3University Medical Center Ulm, Department of Dermatology and Allergology, Ulm, Germany, 4German Cancer Research Center, Division of Clinical Epidemiology and Aging Research, Heidelberg, Germany

1215 The prevalence of allergic diseases and their impact on school life in 301 schools of Gyeonggido, Korea
Kim B.-K.1,2,3, Kang S.-Y.1,2,3, Kim G.-W.1,2,3, Sohn K.-H.1,2,3, Song W.-J.1,2,3, Kim S.-H.1,2,3, Kang H.-R.1,2,3, Park H.-W.1,2,3, Cho S.-H.1,2,3, Min K.-U.1,2,3, Chang Y.-S.1,2,3,5
1Seoul National University Bundang Hospital, Internal Medicine, Seongnam, Korea, Republic of, 2Seoul National University College of Medicine, Internal Medicine, Seongnam, Korea, Republic of, 3Seoul National University College of Medicine, Institute of Allergy and Clinical Immunology, Seoul, Korea, Republic of, 4Seoul National University Hospital, Internal Medicine, Seoul, Korea, Republic of, 5Seoul National University College of Medicine, Internal Medicine, Seoul, Korea, Republic of

Ahn K.1,2, Jee J.Y.1,2, Yang H.-K.1,2, Kim M.1,2, Kim J.1,2
1Samsung Medical Center, Sungkyunkwan University School of Medicine, Department of Pediatrics, Seoul, Korea, Republic of, 2Environmental Health Center for Atopic Diseases, Samsung Medical Center, Seoul, Korea, Republic of

1217 Prevalence and risk factors of atopic dermatitis among Filipino children 0 to 12 years old living in urban areas
Dionisio-Capulong R.1, Castor M.A.R.2, Kwong-Buizon S.L.3, Fajardo-Nery V.4
1Manila Med-Medical Center Manila, Department of Pediatrics, Manila, Philippines, 2University of the Philippines-Philippine General Hospital, Section of Allergy and Immunology, Department of Pediatrics, Manila, Philippines, 3Fe Del Mundo Medical Center, Department of Pediatrics, Quezon City, Philippines, 4Matias H. Aznar Memorial College of Medicine-Southwestern University, Department of Pediatrics, Cebu, Philippines

1218 Symptomatic enteroviruses infection and subsequent risks of allergic diseases: a population-based cohort study
Kuo H.-C.1, Lee Z.-M.2
1Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Pediatrics and Kawasaki Disease Center, Kaohsiung, Taiwan, 2Kaohsiung Chang Gung Memorial Hospital, Pharmacy, Kaohsiung, Taiwan

1219 The role of evaluating mean platelet volume levels in allergic diseases
Veizir E.1, Civelle E.1, Ginis T.1, Guvenir H.1, Capanoğlu M.1, Azkur D.1,2, Toyran M.1, Dibek Misirlıoğlu E.1, Kocabas C.N.3
1Ankara Children's Hematology Oncology Training and Research Hospital, Pediatric Allergy and Clinical Immunology, Ankara, Turkey, 2Kırıkkale University Faculty of Medicine, Pediatric Allergy and Clinical Immunology, Kırıkkale, Turkey, 3Muğla Sıtkı Koçman University Faculty of Medicine, Muğla, Turkey

1220 Oral administration of achyranthis radix extract ameliorates TMA-induced allergic contact dermatitis by suppressing Th2-associated responses
Jeong-Ryong D.1, Dong-Hwa S.1, Hee Soon S.2
1Korea Food Research Institute, Seoungnam-si, Korea, Republic of, 2KFRI, Seoul, Korea, Republic of

1221 Contact dermatitis induced by propolis in amateur beekeeper. A case report
Jiménez Gallardo P.1, García Ponce J.F.1, Hernández Arbeiza F.J.1, Porcel Carreño S.1, Alvarado Arenas M.1, Jiménez Timón S.1, Domínguez Domínguez E.1, Maqufour Martín Y.1
1Hospital Nuestra Señora de la Montaña, Allergy Department, Cáceres, Spain

1222 5 cases of symmetrical drug-related intertriginous and flexural exanthema. A case series
Peña Acevedo Y.1, Jiménez Ruiz C.E.2, Macías Iglesias J.2, Vargas Porras W.3, González Moreno A.2, Tejedor Alonso M.A.2, Rosado Ingelmo A.2, Moro Moro M.M.2
1Alcorcón Foundation University Hospital, Allergy Unit, Alcorcón, Spain, 2H.U. Foundation Alcorcón, Allergy Unit, Alcorcón, Spain
1223 Allergic contact cheilitis: study carried out in the Dermato-Allergology Unit of Farhat Hached University Hospital
Brahem A.1,2, Gaddour A.1, Boughattas W.1,2, Achour N.3, Ghariani N.4, Maoua M.1,2, Kalboussi H.1,2, El Guedri S.1,2, Chatti S.1,2, Denguezi M.4, El Maalel O.1,2, Mrizak N.1,2
1Faculté de Médecine Ibn El Jazhar de Sousse, Sousse, Tunisia, 2Farhat Hached University Hospital, Dermato-Allergology Unit of Occupational Medicine Department, Sousse, Tunisia, 3Farhat Hached University Hospital, Dermatology Department, Sousse, Tunisia, 4Farhat Hached University Hospital, Dermatology Department, Sousse, Tunisia

1224 Hand eczema – retrospective analysis of 8 years (2007-2014)
Moreira A.1, Vieira L.1, Guilherme A.1, Rosmaninho I.1, Moreira da Silva J.1
1Centro Hospitalar Vila Nova de Gaia, Immunooallergology, Vila Nova de Gaia, Portugal

1225 Epidemiologic profile of contact dermatitis in health workers in a Tunisian hospital
Merchaoui I.1, Amri C.1, Chaar N.1, Rassas I.1, Akrout M.1, Haj Ali H.1, Chaabane A.1, Henchi M.A.1

1226 Granulomatous sarcoidal reaction due to palladium monosensitization for dental prosthesis
De las Vecillas L.1, Montecchiani V.1, Morchón E.1, Linares E.2, Montes S.2, Rodríguez F.1
1Hospital Universitario Marqués de Valdecilla, Allergy, Santander, Spain, 2Hospital Universitario Marqués de Valdecilla, Pathologic Anatomy, Santander, Spain

1227 Patch testing in children: an experience from Vilnius University Hospital, Lithuania
Buterlevicute N.1, Linauskiene K.2, Rudzeviciene O.1
1Vilnius University Faculty of Medicine, Center of Childrens Pulmonology and Allergology, Vilnius, Lithuania, 2Vilnius University Faculty of Medicine, Center Pulmonology and Allergology, Vilnius, Lithuania

1228 Colophony induced allergic contact dermatitis in a child
Julià B.1, García-Karman R.1, González-Seco E.1,2
1CMMilenium, Allergy Department, Madrid, Spain, 2Hospital Universitario Infanta Cristina, Servicio de Alergia, Madrid, Spain

1229 Allergenicity and safety of rhC1INH in patients with allergy to rabbit or cow’s milk
van den Elzen M.1, van Os-Medendorp H.1, Röckmann-Helmbach H.1, van Hoffen E.1, Lebens A.1, Klemans R.1, Bruinzeel-Koomen C.1, Hack C.E.2, Bellizzi L.3, Relan A.3, Knust L.1

1UMC Utrecht, Dermatology/Allergology, Utrecht, The Netherlands, 2UMC Utrecht, Laboratory of Translational Immunology, Utrecht, The Netherlands, 3Pharming Technologies BV, Leiden, The Netherlands

1230 Prophylactic treatment with conestat alfa in HAE patients with severe course of the disease: a case series
Valerieva A.1, Staevska M.1, Petkova E.1, Dimitrov V.1
1Medical University of Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria

1231 Off-label intramuscular self-administration of conestat alfa during an abdominal HAE attack: a case report
Valerieva A.1, Staevska M.1, Petkova E.1, Dimitrov V.1
1Medical University of Sofia, Clinic of Allergy and Asthma, Sofia, Bulgaria

1232 Successful pregnancy outcome with triplets after treatment with plasma derived nanofiltered C1 inhibitor in a patient with hereditary angioedema
Tunakan Dalgic C.1, Sin A.Z.1, Düşünür Gülsen F.1, Bulut G.1, Ardeniz F.O.1, Gülbahar O.1, Kokuludağ A.1, Mete Gökmen E.N.1
1Ege University Medical Faculty, Allergy and Clinical Immunology, Izmir, Turkey

1233 Improvement of hereditary angioedema abdominal attacks in children after eradication of Helicobacter pylori
Dienouhat K.1,2, Ibsaine O.3, Berrimi D.K.4, Ghanoumaut M.1,5
1University Monastir Hospital, Occupational Health, Monastir, Tunisia, 2University Hospital, Dermatology, Monastir, Tunisia, 3School of Medicine, pharmacology, Monastir, Tunisia

1234 Asymptomatic bacteriuria increases the risk of edematous attacks in patients with hereditary angioedema due to C1 inhibitor deficiency (C1-INH-HAE)
Zotter Z.1,2, Varpa L.1, Imreh E.3, Veszelí N.1, Köhalmi K.V.1, Kovács G.2, Nallbani M.2, Farkas H.1
1Semmelweis University, 3rd Department of Internal Medicine, Budapest, Hungary, 2Hungarian Defence Forces, Medical Center, Department of Urology and Andrology, Budapest, Hungary, 3Semmelweis University, Kútőgyü Clinical Center, Central Laboratory, Budapest, Hungary

1235 HAE attacks and prophylactic treatment
Gocki J.1, Bartuzi Z.1,2
1Collegium Medicum, Nicolaus Copernicus University, Allergy, Clinical Immunol. and Intern. Diseasess, Bydgoszcz, Poland

1236 Mutations in SERPING1, the gene coding for C1 Inhibitor, in patients with hereditary angioedema in Brazil
Maia L.S.M.1, Ferriani M.P.1, Dias M.M.1, Valle S.R.2, França A.T.3, Levi S.2, Roxo Jr P.1, Silva Jr W.4, Moreno A.S.1, Arredondo K.1,6
1University of Sao Paulo, Medicine, Ribeirão Preto, Brazil, 2Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, 3University of Sao Paulo, Pediatrics, Ribeirão Preto, Brazil, 4University of Sao Paulo, Medicine, Genetics, Ribeirão Preto, Brazil
**1237** The importance of family screening and patient compliance in hereditary angioedema due to C1 inhibitor deficiency

Köhalmi K.V.1, Veseli N.1, Varga L.1, Farkas H.1

1Semmelweis University, 3rd Department of Internal Medicine, Budapest, Hungary

**1238** Delayed diagnosis in children and adolescents with hereditary angioedema

Ayazi M.1, Fazlollahi M.R.1, Mohammadzadeh I.2, Fayezi A.3, Nabavi M.4, Mahdaviani S.A.5, Movahedi M.6, Heidarzadeh M.7, Saghaifi S.1, Mohammadian S.1, Pourpak Z.1

1Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of, 2Non-Communicable Pediatric Diseases Research Center, Babol University of Medical Sciences, Babol, Iran, Islamic Republic of, 3Division of Allergy and Immunology, School of Medicine, Ahvaz University of Medical Sciences, Ahvaz, Iran, Islamic Republic of, 4Hazrat Rasouli Hospital, Iran University of Medical Sciences, Department of Immunology and Allergy, Tehran, Iran, Islamic Republic of, 5Pediatric Respiratory Diseases Research Center, National Research Institute of Tuberculosis and Lung Diseases (NRIITLD), Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of, 6Children Medical Center, Tehran University of Medical Sciences, Department of Immunology and Allergy, Tehran, Iran, Islamic Republic of, 7Kashan University of Medical Sciences, Department of Pediatrics, Kashan, Iran, Islamic Republic of

**1239** An unusual multiple myeloma case presenting as laryngeal edema

Tunakan Dalgıç C.1, Düşünür Günsen F.1, Bulut G.1, Ardeniz F.O.1, Gülbahar O.1, Kokuludağ A.1, Sin A.Z.1, Mete Gökmen E.N.1

1Ege University Medical Faculty, Allergy and Clinical Immunology, Izmir, Turkey

**1240** Clinical features of patients with hereditary angioedema with normal C1 inhibitor: a study of eighty-three Brazilian individuals belonging to nine unrelated families


1University of Sao Paulo/Ribeirão Preto Medical School, Department of Medicine, Ribeirão Preto, Brazil, 2University of Sao Paulo, Medicine, Ribeirão Preto, Brazil, 3Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, 4Escola Superior de Ciências da Santa Casa de Misericórdia de Vitória (EMESCAM), Department of Medicine, Vitoria, Brazil

**1241** Clinical features of a Brazilian family with hereditary angioedema with normal C1 inhibitor and mutation in F12 gene

Ferriani M.P.L.1, Maia L.1, Nociti T.M.1, Dias M.M.1, Moreno A.S.1, Arruda L.K.1

1Ribeirao Preto Medical School, University of Sao Paulo, Department of Medicine, Ribeirão Preto, Brazil

**1242** HAE mimicking irritable bowel syndrome: from unclear symptoms to diagnosing a family

Grivcheva-Panovska V.1, 2Faculty of Medicine, University St. Cyril and Methodius, University Clinic of Dermatology, Skopje, Macedonia, the Republic of

**1243** Diagnosing hereditary angioedema type 2 with normal C4 values in a psoriatic patient: a case report

Biligçi E.1, E.2 Keskin O., Kücükosmanoğlu E.1

1Gaziantep University Faculty of Medicine, Pediatric Allergy Immunology, Gaziantep, Turkey, 2Gaziantep University Faculty of Medicine, Dermatology, Gaziantep, Turkey

**1244** An ELISA for the detection of cleaved high molecular weight kininogen in human plasma

Faucette R.1, Conley G.1, Cosic J.1, Kopacz K.1, Chikwamba K.1, Sexton D.1,2

1Shire Pharmaceuticals, Burlington, United States

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**Poster Session (TPS 41) – Management and mechanisms in chronic urticaria**

**Chairs:** Karoline Krause, Germany
Clive Grattan, United Kingdom

**1245** Omalizumab, an effective and safe therapy in patients with persistent chronic urticaria

Olaya A.G.1, Simoneta H.R.1, Teresa R.E.1, Mercedes C.A.-L.1, María Luisa G.A.1, Montsenat F.R.1

1Hospital Clínico San Carlos, Allergy, Madrid, Spain

**1246** Comparison of long-term safety and efficacy of omalizumab in chronic urticaria: 9 year retrospective study

Marcelino J.1, Costa A.C.1, Silva P.1, Mendes A.1, Alonso E.1, Duarte F.1, Aguilar P.1, Pedro E.1, Pereira Barbosa M.1

1Immunology and Allergology University Department, Hospital Santa Maria, Lisboa Academic Medical Center, CHLN, Lisbon, Portugal, 2Immunology and Allergology Unit, Centro Hospitalar do Algarve, Portimão, Portugal, 3Public Health Research Center, National School of Public Health, Universidade Nova de Lisboa, Lisboa, Portugal

**1247** Management of the long-term omalizumab therapy in chronic spontaneous urticaria

Ensina L.F.1,2, Cameló-Nunes I.C.1,2, Galeane M.3, cusato A.P.4, Serpa F.S.5, Solé D.1

1Federal University of Sao Paulo, Allergy, Immunology and Rheumatology, Sao Paulo, Brazil, 2University of Sao Amaro, Allergy and Clinical Immunology, Sao Paulo, Brazil, 3Private Practice, Araraquara, Brazil, 4CPAlpha Clinical Research, Sao Paulo, Brazil, 5Escola Superior de Ciências da Santa Casa de Misericórdia de Vitória, Vitória, Brazil

**1248** Omalizumab in pediatric cold contact urticaria: a warm blanket for a cold bath?

Kitsioulis N.A.1, Xepapadaki P.1, Kostoudi S.1, Manousakis E.1, Douladiris N.1, Papadopoulos N.G.1,2,3

1University of Athens, Allergy Unit, Athens, Greece, 2University of Manchester, Manchester, United Kingdom, 3Allergy Research Center, Athens, Greece
1249 Successful treatment of chronic spontaneous urticaria with omalizumab in a patient with multiple sclerosis under immunomodulatory therapy

Syriou E. 1, Grapsa D. 2, Zande M. 1, Sinaniotis A. 1, Vasiliou M. 2, Filopoulou A. 2, Syriou K. 2
1 Allergy Department, “Sotiria” General Hospital, Athens, Greece, 2 GPP “Sotiria” General Hospital, University of Athens, Medical School, Athens, Greece

1250 Successful use of omalizumab in iheat inducible urticaria

Mansard C. 1, 2, Boccon-Gibod L. 1, 2, Pralong P. 3, Leccia M. -T. 3, Bouillet L. 1, 2
1 Grenoble University Hospital, Internal Medicine Department, La Tronche, France, 2 Grenoble University Hospital, French National Reference Center of Angioedema, La Tronche, France, 2 Grenoble University Hospital, Dermatology and Allergology Department, La Tronche, France

1251 Efficiency of the omalizumab in the care of isolated angioedema in spontaneous chronic urticaria

Mansard C. 1, 2, Boccon-Gibod L. 1, 2, Bouillet L. 1, 2
1 Grenoble University Hospital, Internal Medicine Department, Grenoble, France, 2 Grenoble University Hospital, French National Reference Center of Angioedema, La Tronche, France, 2 Grenoble University Hospital, Dermatology and Allergology Department, La Tronche, France

1252 Refractory urticaria treated with intravenous immunoglobulin – a case report

Plosic A. 1, Arandjelovic S. 1, 2, Stefanovic L. 1, Miskovic R. 1, Peric-Popadic A. 1, 2, Djuric V. 1, 2, Bogic M. 1, 2
1 Clinical Center of Serbia, Clinic for Allergology and Immunology, Belgrade, Serbia, 2 School of Medicine, University of Belgrade, Belgrade, Serbia

1253 Management of chronic urticaria in real life: cross-sectional physician-based survey study in Latin-America

Calderón J.C. 1, 2, Cherrez A. 2, 4, Weller K. 3, Maurer M. 3, Cherrez A. 2, 4
1 Universidad Espritu Santo, School of Medicine, Samborondón, Ecuador, 2 RespiraLab, Guayaquil, Ecuador, 3 Charité-Universitätsmedizin, Department of Dermatology and Allergy, Berlin, Germany, 4 Heidelberg University, Heidelberg, Germany

1254 Quality of life and health costs in patients suffering from urticaria

Walter A. 1, Gabriel C. 1, Pinarc I. 1, Salzer S. 1, Herpich A. 1, Oppel E. 1, Rueff F. 1
1 Ludwig-Maximilian University, Department of Dermatology and Allergology, Munich, Germany

1255 Periostin and interleukin-13 are independently related to chronic spontaneous urticaria

Bae Y. 1, Izuhara K. 2, Ohta S. 2, Ono J. 2, Hong G.U. 3, Ro J.Y. 3, Jeong-Hee C. 4
1 Hallym University Dongtan Sacred Heart Hospital, Hallym University College of Medicine, Hwaseong, Korea, Republic of, 2 Saga Medical School, Saga, Japan, 3 Sungkyunkwan University School of Medicine, Suwon, Korea, Republic of, 4 Hallym University Dongtan Sacred Heart Hospital, Dept of Pulmonology and Allergy, Hwaseong, Korea, Republic of

1256 Innate and adaptive immunity in children with severe acute urticaria

Maltsev S. 1, Sizyakina L. 2, Lebedenko A. 1
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

1257 Chronic cholinergic urticaria. A clinical case

Ryabova K. 1, Goriachkina L. 1, Fomina D. 1
1 Russian Medical Academy of Postgraduate Education, Moscow, Russian Federation

1258 Graves’ disease associated with chronic urticaria: a case report

Nedeva D. 1, Staevska M. 1, Dimitrov V. 1, Petkova E.G. 1, Dimitrova A. 1, Belcheva D. 1
1 Medical University of Sofia, Sofia, Bulgaria

1259 A case of Schnitzler syndrome successfully treated with pefloxacin

Pogorelov D. 1, Olisova O. 1, Kolikir P. 1
1 First Moscow State Medical University, Dermatology and Venereology, Moscow, Russian Federation

1260 Decreasing frequency of perioperative latex allergy in Denmark in the period 1999 – 2015

Brandi S.L. 1, Kriaaard M. 1, Mosbech H. 1, Garvey L.H. 1
1 Copenhagen University Hospital Gentofte, Danish Anaesthesia Allergy Centre, Allergy Clinic, Hellerup, Denmark

1261 Dermographism in patients with mastocytosis and its association with clinical phenotypes

Parente R. 1, De Feo G. 1, Cardamone C. 1, Mascolo C. 1, Bezzeccheri A. 1, Triggiani M. 1
1 University of Salerno, Internal Medicine, Salerno, Italy

1262 Clinical pattern and laboratory findings in pediatric mastocytosis: the Greek experience

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1 Mastocytosis Outpatient Clinic, Allergy Unit ‘D.Kalogeromitros’, 2nd Dpt of Dermatology and Venerology, Medical School, National and Kapodistrian University of Athens, Attikon University Hospital, Athens, Greece, 2 Mastocytosis Outpatient Clinic, Allergy Unit ‘D.Kalogeromitros’, 2nd Dpt of Dermatology and Venerology, Medical School, National and Kapodistrian University of Athens, Attikon University Hospital, Chaidari, Athens, Greece
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1Medical University of Sofia, Sofia, Bulgaria

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1Hospital Universitari d’Alguer, Spain, Valencia

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1Università degli Studi di Cagliari, Dipartimento di Scienze Mediche ‘M. Aresu’, Monserrato, Italy

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1Kahramanmaras Sutcu Imam University School of Medicine, Kahramanmaras, Turkey, 2Gaziantep University School of Medicine, Department of Pediatric Allergy and Immunology, Gaziantep, Turkey, 3Gaziantep University School of Medicine, Department of Pulmonology, Gaziantep, Turkey, 4Gaziantep University School of Medicine, Department of Pediatrics, Gaziantep, Turkey, 5Necip Fazıl City Hospital, Department of Medical Genetics, Kahramanmaras, Turkey, 6Kahramanmaras Sutcu Imam University School of Medicine, Department of Pulmonology, Kahramanmaras, Turkey

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1CHU Grenoble, La Tronche, France, 2French National Reference Centre for Angioedema (CREAK), La Tronche, France, 3Immunology Laboratory, Grenoble University Hospital, La Tronche, France, 4Grenoble Alps University, La Tronche, France

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1Medical University of Bialystok, Department of Allergy and Internal Medicine, Bialystok, Poland, 2Medical University of Bialystok, 2nd Department of Nephrology and Hypertension, Bialystok, Poland

Clinical and Etiological evaluation of the children with chronic urticaria
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1Kirikkale University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Kirikkale, Turkey, 2Ankara Children’s Hematology Oncology Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 3Abant Izzet Baysal University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Bolu, Turkey, 4Muğla Sitki Kocman University Faculty of Medicine, Department of Pediatric Allergy and Immunology, Muğla, Turkey

Warfarin induced leucoclastic vasculitis complicated with cytomegalovirus: a case report
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1Kahramanmaras Sutcu Imam University School of Medicine, Kahramanmaras, Turkey, 2Gaziantep University School of Medicine, Department of Pediatric Allergy and Immunology, Gaziantep, Turkey, 3Gaziantep University School of Medicine, Department of Pulmonology, Gaziantep, Turkey, 4Gaziantep University School of Medicine, Department of Pediatrics, Gaziantep, Turkey

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Baccioglu A.1, Kalpaklioglu A.F.1, Gunduz O.1
1Kirikkale University Faculty of Medicine, Department of Internal Medicine, Kirikkale, Turkey

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1Medical University of Bialystok, 2nd Department of Nephrology and Hypertension, Bialystok, Poland

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Yoon S.Y.1, Jung S.Y.2, Jang H.-J.3, Park C.S.4
1KunKuk University Chungju Hospital, Department of Respiratory Medicine and Allergy, Chungju, Korea, Republic of, 2Haeundae Paik Hospital, Inje University, Department of Dermatology, Busan, Korea, Republic of, 3Haeundae Paik Hospital, Inje University, Department of Internal Medicine, Busan, Korea, Republic of, 4Haeundae Paik Hospital, Inje University, Internal Medicine, Busan, Korea, Republic of

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1Hacettepe University Faculty of Medicine, Allergy and Clinical Immunology, Ankara, Turkey, 2Hacettepe University Faculty of Medicine, Cardiology, Ankara, Turkey

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1Servicio de Enfermedades del Sistema Inmune-Alergia. Hospital Universitario Príncipe de Asturias, Departamento de Medicina y Especialidades Médicas. Universidad de Alcalá, Alcalá de Henares, Spain

Sepsis like acute hypersensitivity syndrome in an ALL pediatric patient after MESNA therapy
Ercan N.1, Ertugrul A.1, Bilgin B.2, Bostanci I.1
1Dr Sami Ulus Obstetrics, Children’s Health and Diseases Training and Research Hospital, Department of Pediatric Immunology and Allergy, Ankara, Turkey, 2Dr Sami Ulus Obstetrics, Children’s Health and Diseases Training and Research Hospital, Department of Pediatric Hematology and Oncology, Ankara, Turkey
Poster Session (TPS 44) – Sensitisation and its relation to atopic disease in children

Chair: Susanne Diesner, Austria

1276 The patterns of sensitization in adolescence (Data from the DARC cohort)
Christiansen E.S.1, Kjaer H.F.1, Eller E.2, Moertz C.2, Balken S.1
1 Odense University Hospital, Hans Christian Andersen Children’s Hospital, Odense C, Denmark, 2Odense University Hospital, Department of Dermatology and Allergy Center, Odense, Denmark

1277 Prevalence of sensitization profile to house dust mite and its association with allergic respiratory disorders in children
Umanets T.1, Lapshyn V.1, Kondratenka T.1, Matveeva S.1, Barzylovych V.1, Nakonechna A.2
1 Institute of Pediatrics, Obstetrics and Gynaecology, Kiev, Ukraine, 2Royal Liverpool and Broadgreen University Hospitals NHS Trust, Liverpool, United Kingdom

1278 Association between multimorbidity of allergic diseases, polysensitization to aeroallergen, and the disease severity in children aged 6-7 years
1 Hallym University Dongtan Sacred Heart Hospital, Hwaseong, Korea, Republic of, 2CHA Bundang Medical Center, CHA University School of Medicine, Seongnam, Korea, Republic of, 3CHA Sacred Heart Hospital, Hallym University

1279 Specific IgE and risk for asthma exacerbation in children
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1 University Hospital Alexandrovska, Pediatric Clinic, Sofia, Bulgaria

1280 Protein sensitisation in bottle-fed infants
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1 Institute of Nutrition, Moscow, Russian Federation

1281 Differences in sensitization and allergy to Ambrosia in Ukrainian children: region matters
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1 Children’s Hospital Srebrenjak, Zagreb, Croatia, 2Andrija Stampar Teaching Institute of Public Health, Zagreb, Croatia, 3Institute of Public Health of the Pozega-Slavonia County, Slavonski Brod, Croatia, 4University of Applied Sciences Velika Gorica, Velika Gorica, Croatia, 5Institute of Public Health of the Split-Dalmatia County, Split, Croatia

1282 Patterns of sensitization through childhood and association to asthma and eczema
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1 Gentofte Hospital, Copenhagen Prospective Studies on Asthma in Childhood, Faculty of Health and Medical Sciences, University of Copenhagen & Danish Pediatric Asthma Center, Gentofte, Denmark

1283 Analysis of predictors of the implementation of the atopic march in children
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1 Krasnoyarsk State Medical University named after Prof. V.F. Voyno-Yasenetsky., Krasnoyarsk, Russian Federation

1284 Twelve years review: aeroallergens sensitization among Chilean pediatric patients
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1 Clinical Hospital University of Chile, Santiago, Chile, 2CESFAM Cristo Vive, Santiago, Chile

1285 Increased sensitization to Alternaria alternata in pediatric patients with NSAID intolerance
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1 Hospital Vall d’Hebron, Barcelona, Spain

1286 Sensitized pediatric patients show lower Vitamin D levels
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1 Foundation IRCCS Policlinico San Matteo, Pavia, Italy, 2CHRU de Montpellier, Unité d’Allergologie, Département de Pneumologie et Addictologie, Hôpital Arnaud de Villeneuve, Montpellier, France, 3Sorbonne Universités, UPMC Paris 06, UMR-S 1136, IPLESP, Equipe EPAR, Paris, France

1287 Sensitization to food and inhalant allergens in relation to severity of atopic dermatitis in infants
Migacheva N.1, Kaganova T.1
1 Samara State Medical University, Pediatric Department, Samara, Russian Federation

1288 Assessment of prevalence of allergic sensitivity in pediatric age group by the use of skin test
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1 Cukurova University, Pediatric Allergy & Immunology, Adana, Turkey
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<td>1Centro Hospitalar do Médio Ave, Pedriatia, Vila Nova de Famalicão, Portugal</td>
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<td>1CHA Bundang Medical Center, CHA University School of Medicine, Department of Pediatrics, Seongnam, Korea, Republic of, 2CHA Gumi Medical Center, CHA University School of Medicine, Department of Pediatrics, Gumi, Korea, Republic of, 3Hallym University Dongtan Sacred Heart Hospital, Hallym University College of Medicine, Department of Pediatrics, Hwaseong, Korea, Republic of, 4CHA Bundang Medical Center, CHA University School of Medicine, Department of Internal Medicine, Seongnam, Korea, Republic of, 5CHA Gangnam Medical Center, CHA University School of Medicine, Department of Pediatrics, Seongnam, Korea, Republic of</td>
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<td>1Serviço de Imunologia, Centro Hospitalar Lisboa Norte - Hospital de Santa Maria, Lisboa, Portugal, 2Clínica Universitária de Imunologia - Faculdade de Medicina de Lisboa, Lisboa, Portugal</td>
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<td>1Sami Ulus Women’s and Children’s Training and Research Hospital, Pediatric Allergy Immunology, Ankara, Turkey</td>
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<td>1Belarusian Medical Academy of Post-Graduate Education, department of ambulatory pediatrics, Minsk, Belarus, 2Belarusian State University, Department of Ecology of Human, Minsk, Belarus</td>
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<td>1University of Parma, Pediatric Allergy and Immunology Unit, Pediatric Department, Parma, Italy, 2University of Parma, Pediatric Diabetology Unit, Parma, Italy</td>
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<td>1Children Hospital Anna Meyer, Florence, Italy, 2University of Florence, Department of Experimental and Clinical Medicine, Florence, Italy</td>
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<td>1Dr Sami Ulus Maternity and Children Research and Training Hospital, Pediatric Allergy and Immunology, Ankara, Turkey, 2Dr Sami Ulus Maternity and Children Research and Training Hospital, Division of Dermatology, Ankara, Turkey</td>
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<td>1Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Pediatric Allergy and Immunology, Ankara, Turkey, 2Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Dermatology, Ankara, Turkey, 3Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Pathology, Ankara, Turkey, 4Sami Ulus Women’s and Children’s Training and Research Hospital, Department of Pediatrics, Ankara, Turkey</td>
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<td>1Phaung Daw Oo Monastic Education High School, Mandalay, Myanmar, 2Medical University of Innsbruck, Dept of Dermatology, Venerology and Allergology, Innsbruck, Austria</td>
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<td>1Children and Youth Clinic, Kristianstad, Sweden, 2Children and Youth Clinic, Växjö, Sweden, 3Institute of Environmental Medicine, Karolinska Institute, Sachs’ Children’s Hospital, Södersjukhuset, Department of Clinical Science and Education, Stockholm South General Hospital, Karolinska Institute, Sweden</td>
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<td>1University of Birmingham, Dept of Health Economics, Birmingham, United Kingdom, 2University of Birmingham, Institute of Applied Health Research, Birmingham, United Kingdom, 3Royal Shrewsbury and Telford Hospitals NHS Trust, Paediatrics, Telford, United Kingdom, 4Birmingham Heartlands Hospital, Paediatric Immunology, Birmingham, United Kingdom, 5University of Warwick, Population Evidence and Technologies, Coventry, United Kingdom</td>
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1General and Teaching Hospital Izola, Department of Pediatrics, Izola, Slovenia, 2University of Ljubljana, Faculty of Education, Department of Biology, Chemistry and Home Economics, Ljubljana, Slovenia, 3University Medical Center, University’s Hospital Ljubljana, Department of Allergology, Rheumatology and Clinical Immunology, Ljubljana, Slovenia

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1Padua University Hospital, Hematology and Clinical Immunology, Padua, Italy

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1Bogomolets National Medical University, Kyiv, Ukraine, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

1308  Transient impairment of immune function involving T cells and B cells leads to impaired bacterial resistance after implantation of large joint prostheses
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1Kazan State Medical University, Kazan, Russian Federation, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

1309  T cell changing in stress condition and its relevance with hardiness
Ghaufuarian M.1, Kooti W.2, Hemmati A.A.2, Qaderi M.2
1Hemoglobinopathies and Thalassemia Research Center, School of Medicine, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, Islamic Republic of, 2Student Research Committee, Kurdistan University of Medical Sciences, Sanandaj, Iran, Islamic Republic of, 3School of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Department of Pharmacology and Toxicology, Ahvaz, Iran, Islamic Republic of

1310  Comparative profile of surface and intracellular molecule expression in 10 immortalized human T cell lines to be considered for immunomodulatory drug evaluations
Hancharou A.Y.1, Duzh E.V.1, DuBuske L.M.2,3
1Republican Research-Practical Center for Epidemiology and Microbiology, Minsk, Belarus, 2Immunology Research Institute of New England, Gardner, United States, 3George Washington University School of Medicine, Washington, DC, United States

1311  Role of the adipose tissue in the progression of NAFLD via the up regulation of the Th17 pathway
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1Fondazione Italiana Fegato, Centro Studi Fegato, Trieste, Italy, 2Università degli Studi di Trieste, Dipartimento Universitario Clinico di Scienze Mediche Chirurgiche e della Salute, Trieste, Italy, 3AOU-TS, Chirurgia Generale, Trieste, Italy, 4AOU-TS, Clinica Patologie del Fegato, Trieste, Italy

1312  Associations of lymphocyte subpopulations with type 2 diabetes and obesity
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1Medical University Plovdiv, Allergology and Occupational Medicine, Plovdiv, Bulgaria, 2Medical University Plovdiv, Dermatology and Venerology, Plovdiv, Bulgaria, 3Medical University Plovdiv, Microbiology and Immunology, Plovdiv, Bulgaria, 4Medical University Plovdiv, Endocrinology, Plovdiv, Bulgaria

1313  Attenuation of antigen-specific Th1 immunity by Neolitsea hiiranensis derived sesquiterpenes
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1Kaohsiung Medical University, Ph.D. Program in Toxicology, Kaohsiung, Taiwan, 2Kaohsiung Medical University, School of Pharmacy, College of Pharmacy, Kaohsiung, Taiwan

1314  Plasma vitamin D levels at birth and the inflammatory status of preterm infants
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1Semmelweis University, First Department of Obstetrics and Gynecology, Budapest, Hungary, 2Semmelweis University, First Department of Pediatrics, Budapest, Hungary, 3Semmelweis University, Department of Laboratory Medicine, Budapest, Hungary
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1Medical University of Pécs, Biochemistry, Pecs, Hungary, 2Medical University of Pécs, Anesthesiology and Intensive Care Unit, Pecs, Hungary

1316 AllergoOncology: prognostic significance of elevated IgG4 levels in patients with cancer  
1University Hospital Hamburg Eppendorf, Oncology, Hematology, Bone Marrow Transplantation with Section Pneumology, Hamburg, Germany, 2King’s College London, NIHR Biomedical Research Centre at Guy’s and St. Thomas’ Hospitals and King’s College London, London, United Kingdom, 3King’s College, Division of Cancer Studies, London, United Kingdom, 4King’s College London, Division of Age-Related Diseases, London, United Kingdom, 5University of Edinburgh, MRC Centre for Inflammation Research, Edinburgh, United Kingdom, 6King’s College London, St John’s Institute of Dermatology, London, United Kingdom

1317 AllergoOncology: generation of a canine anti-EGFR anticancer IgE  
Fazekas J.1,2, Singer J.1,2, Matz M.2, Mader A.3, Spillner E.4, Kunert R.3, Jensen-Jarolim E.1,2  
1Comparative Medicine, Messerli Research Institute of the University of Veterinary Medicine Vienna, Medical University Vienna and University Vienna, Vienna, Austria, 2Comparative Immunology and Oncology, Institute of Pathophysiology and Allergy Research, Medical University of Vienna, Vienna, Austria, 3University of Natural Resources and Life Sciences, Department of Biotechnology - VIBT - BOKU, Vienna, Austria, 4Immunological Engineering, Department of Engineering, Aarhus University, Aarhus, Denmark

1318 AllergoOncology: development of IgE antibodies for breast cancer immunotherapy  
Ilieva K.1,2, Crescioli S.1, Marlow R.2, Francesch E.2, Karagiannis P.1, Dodev T.1, Cheung A.1,2, Tutt A.2, Karagiannis S.N.1,2  
1King’s College London, St John’s Institute of Dermatology, London, United Kingdom, 2Breast Cancer Now Unit, King’s College London, Research Oncology, London, United Kingdom

1319 AllergoOncology: absence of systemic type I hypersensitivity induction by IgE antibodies for cancer therapy evaluated in a biologically-relevant in vivo model of cancer  
Josephs D.1, Bax H.J.2, Dodev T.3, Saul L.2, Karagiannis P.1, Selkirk C.4, Oyenuku A.1, Lentfer H.4, Downes N.3, Barton C.6, Andrew B.1, Jones P.6, Gould H.J.2, Blower P.J.2, Spicer J.F.8, Karagiannis S.N.2  
1King’s College London, Guy’s Hospital, St John’s Institute of Dermatology, London, United Kingdom, 2King’s College London, St John’s Institute of Dermatology, London, United Kingdom, 3King’s College London, Division of Imaging Sciences and Biomedical Engineering, London, United Kingdom, 4King’s College London, Division of Cancer Studies, London, United Kingdom

1320 AllergoOncology: evidence for safety and efficacy of a tumour-specific IgE antibody therapeutic candidate for ovarian cancer immunotherapy in the presence of soluble circulating tumour-associated antigen  
Bax H.J.1, Josephs D.H.1, Robinson A.1, Chan C.1, Malas S.2, Rudman S.M.3, Pellizzari G.1, Saul L.2, Jones P.4, Barton C.4, Gould H.J.1, Montes A.3, Spicer J.F.1, Karagiannis S.N.1  
1King’s College London, London, United Kingdom, 2St George’s University of London, London, United Kingdom, 3NHS Foundation Guy’s and St Thomas’ NHS Foundation Trust, London, United Kingdom, 4King’s College, Division of Cancer Research, London, United Kingdom

1321 AllergoOncology: characterization of a monoclonal IgE antibody (SF-25 IgE) as a novel immunotherapy candidate for solid tumours  
Pellizzari G.1, Bax H.1, Crescioli S.1, Spicer J.2, Josephs D.2, Karagiannis S.1  
1King’s College London, Genetics and Molecular Medicine, London, United Kingdom, 2King’s College London, London, United Kingdom
Poster Session (TPS 47) – Miscellaneous I

**Chairs:** Zsolt Szépfalusi, Austria
Joaquín Sastre, Spain

1322 **Clinical features of patients with high levels of total IgE**
Belo J.G.¹, Pinto N.¹, Matos V.², Marques J.G.¹,³, Martins P.C.¹,², Pinto P.L.¹,³
¹Dona Estefânia Hospital, Immunology and Allergy Department, Lisbon, Portugal
²São José Hospital, Immunology Department, Lisbon, Portugal
³Nova Medical School, CEDOC, Respiratory Research Group, Lisbon, Portugal

1323 **Highlighting characteristics of anaphylaxis**
Puente Y.¹, Daza J.C.¹, Monteserin F.J.¹,²
¹Hospital Universitario Virgen Macarena, Allergy, Seville, Spain
²Universidad de Sevilla, Departamento de Medicina, Seville, Spain

1324 **BIO KoSMoS – linking allergy research with BioArt in an educational project with high schools**
Wallner M.¹, Hofer H.¹, Ferreira F.¹, Nestelbacher R.²
¹University of Salzburg, Department of Molecular Biology, Salzburg, Austria
²DNA-Consult Sceiencetainment, Ostermietting, Austria

1325 **Digital observatory of respiratory allergy**
González de Olano D.¹, de Otto Martinez G.², Botella Padilla I.³, Azpíriz Anadón A.²
¹Hospital Universitario de Fuenlabrada, Fuenlabrada, Spain
²Stallergenes Greer, Barcelona, Spain
³Stallergenes Greer, Madrid, Spain

1326 **The Italian Society of Allergy, Asthma and Clinical Immunology (SIAAAC) “choosing wisely in allergology”: a slow medicine approach to the discipline**
Heffler E.¹, Landi M.³, Quadro S.³,⁴, Incorvaia C.²,⁵
¹IRCCS AOU S.Martino-IST, Allergy & Respiratory Diseases Clinic, DIMI-Dept Internal Medicine, Genova, Italy
³ICP Hospital, Allergy/Pulmonary Rehabilitation, Milano, Italy
²ASL-T03 · “Edoardo Agnelli” Hospital, Allergology Outpatients’ Clinic, Pinerolo, Italy
⁴University of Torino, Dept. Medical Sciences – Allergy and Clinical Immunology, Torino, Italy
⁵IRCCS AOU S.Martino-IST, Allergy & Respiratory Diseases Clinic, DIMI-Dept Internal Medicine, Genova, Italy

1327 **Anaphylaxis after spontaneous rupture of a pulmonary hidatid cyst**
Burgo Montero A.M.¹, Moreno Mata E.¹, Candón Morillo R.¹, Ruiz León B.¹, García Rodríguez C.¹, González Sánchez L.A.¹
¹Hospital la Mancha Centro, Allergy, Alcázar de San Juan, Spain

1328 **Preventive treatment in three cases of recurrent idiopathic anaphylaxis**
Posadas-Miranda T.¹, Campos-Suarez G.¹, De la Higuera Artesero R.¹, García-Campos J.¹, Requena-Quesada G.¹, Perez-Padilla C.I.¹
¹Hospital Vithas Xanit International, Allergy, Benalmádena, Spain

1329 **Omalizumab in non-conventional clinical indications: our case series**
Arasi S.¹,², Pajno G.B.¹, Costa S.¹, Caminiti L.¹, Crisafulli G.¹, Porcaro F.¹
¹University of Messina, Allergy Unit-Department of Pediatrics, Messina, Italy
²Charité Medical University, Department of Pediatric Pneumology and Immunology, Berlin, Germany
³University of Messina, Gastroenterology Unit-Department of Pediatrics, Messina, Italy

1330 **Fexofenadine cardiac side effects: a case report**
Gur Çetinkaya P.¹, Karamatmaca B.², Uysal Soyer O.², Ayap E.², Sekerel B.E.², Sahiner U.M.²
¹Hacettepe University Medical School, Pediatric Allergy, Ankara, Turkey
²Hacettepe University Faculty of Medicine, Pediatric Allergy, Ankara, Turkey
³Hacettepe University Faculty of Medicine, Pediatric Cardiology, Ankara, Turkey

1331 **Burning mouth syndrome: a case report**
Burgo Montero A.M.¹, González Sánchez L.A.¹, Candón Morillo R.¹, García Rodríguez C.¹, Ruiz León B.¹, Moreno Mata E.¹
¹Hospital la Mancha Centro, Allergy, Alcázar de San Juan, Spain

1332 **Hypereosinophilic syndrome with uncertain etiology complicated with bilateral retinian artery obstruction**
LerupPM.¹,², AntonVF.¹, GeorgescuD.³, PopescuM.³, VoineaLM.⁴
¹Colentina Clinical Hospital, Internal Medicine, Bucharest, Romania
²Carol Davila University of Medicine and Pharmacy, Family Medicine, Bucharest, Romania
³Colentina Clinical Hospital, Hematology, Bucharest, Romania
⁴University Hospital of Emergency, Ophthalmology, Bucharest, Romania

1333 **Genome-wide transcriptome analysis to further understand neutrophil activation and lncRNA transcript profile in Kawasaki disease**
Ko T-M.¹,², Chang J.-S.¹, Chen S.-P.¹, Liu Y.-M.¹, Chang C.-J.¹, Tsai F.-J.¹, Chen C.-H.¹, Chen Y.-T.¹, Wu J.-Y.¹
¹Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
²Graduate Institute of Integrated Medicine, China Medical University, Taichung, Taiwan
³China Medical University Hospital, Taichung, Taiwan
⁴School of Chinese Medicine, China Medical University, Taichung, Taiwan

1334 **FcyRIIIα and FcyRIIIB influence coronary artery lesion formation and intravenous immunoglobulin treatment response in Kawasaki disease**
Kuo H.-C.¹, Chang L.-S.¹, Hsieh K.-S.¹
¹Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kawasaki Disease Center and Pediatrics, Kaohsiung, Taiwan
**Poster Session (TPS 48) – Miscellaneous II**

**Chair:** Winfried Pickl, Austria

**1335** Biochemical modifications of a proline-rich gliadin peptide by microbial transglutaminase
   Zhou L.1,2,3, Wu Y.1,2,3, Yuan J.1,4, Gao J.1,2, Chen H.1,3
   1State Key Laboratory of Food Science and Technology, Nanchang University, Nanchang, China, 2College of food science, Nanchang University, Nanchang, China, 3Sino-German Joint Research Institute, Nanchang University, Nanchang, China, 4College of Pharmaceutical Sciences, Nanchang University, Nanchang, China

**1336** Effect of parkin mutation on cell survival and apoptotic cell death
   Hawisa S.T.1
   1Tripoli University, Pathology and Immunology, Tripoli, Libya

**1337** PCV and PPV in asplenic patients with thalassemia major: a randomized clinical trial study
   Ghaffari J.1, Mahdavi M.1, Bahari A.1, Ala S.1
   1Mazandaran University of Medical Sciences, Sari, Iran, Islamic Republic of

**1338** Evaluation of serum interleukin-6 levels in different subgroups of patients with early stages of diabetic nephropathy
   Pchelin I.1, Shishkin A.1
   1Saint Petersburg State University, Department of Faculty Therapy, Saint Petersburg, Russian Federation

**1339** Association between systolic dysfunction and inflammation in diabetic patients with chronic kidney disease
   Vasilkova V.1,2, Mokhort T.3, Naumenko E.2, Zmailik M.2
   1Gomel State Medical University, Gomel, Belarus, 2The Republican Research Center for Radiation Medicine and Human Ecology, Gomel, Belarus, 3Belarusian State Medical University, Minsk, Belarus

**1340** Anemia and exercise capacity in chronic airway disease
   Jin H.J.1, Chung J.H.1, Sohn M.-S.1
   1Yeungnam University College of Medicine, Daegu, Korea, Republic of

**1341** Dramatic effect of canacinumab in patient with cryopyrin-associated syndrome (syndrome CINCA/NOMID)
   Namazova- Baranova L.1, Baranov A.1, Alexeeva E.1,2, Savostyanov K.1, Sleptsova T.1, Pushkov A.1, Bzarova T.1,2, Valieva S.1, Denisova R.1, Isayeva K.1, Chistyakova E.1,2, Lomakina O.1, Solosenko M.1, Kaschenko E.1
   1Federal State Budgetary Institution ‘Scientific Center of Children’s Health’ of the Ministry of Health of the Russian Federation, Moscow, Russian Federation, 2I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation

**1342** Clinical features of doxorubicin induced cardiomyopathy in Korean adult patients
   Lee S.C.1, Son Y.W.1, Park K.H.1,2, Park H.J.1,2, Sim D.W.1,2, Lee J.-H.1,2, Park J.-W.1,2
   1Yonsei University College of Medicine, Severance Hospital, Division of Allergy and Immunology, Department of Internal Medicine, Seoul, Korea, Republic of, 2Institute of Allergy, Yonsei University College of Medicine, Seoul, Korea, Republic of

**1343** TNF-α expression and distribution in psoriasis affected nails
   Saulite I.1, Kisis J.2, Plimane M.3
   1Riga Stradins University, Faculty of Continuing Education, Riga, Latvia, 2Riga Stradins University, Department of Dermatology, Riga, Latvia, 3Riga Stradins University, Institute of Anatomy and Anthropology, Riga, Latvia

**1344** Lane-Hamilton syndrome without anemia in a boy
   Anil H.1, Aydemir Y.2, Harmanci K.1, Kocak A.K.1
   1Eskisehir Osmangazi University, Eskişehir, Turkey, 2Eskisehir Osmangazi University, Pediatric Allergy, Eskişehir, Turkey

**1345** Thromboelastogram as a tool to predict hypercoagulability in children with cystic fibrosis
   Anil H.1, Kilic Yildirim G.2, Akay M.3, Harmanci K.1, Bor O.4, Aydogdu S.D.5, Kocak A.K.6
   1Eskisehir Osmangazi University, Pediatric Allergy, Eskişehir, Turkey, 2Eskisehir Osmangazi University, Pediatric Allergy, Eskişehir, Turkey, 3Eskisehir Osmangazi University, Pediatric Methabolism, Eskişehir, Turkey, 4Eskisehir Osmangazi University, Hematology, Eskişehir, Turkey, 5Eskisehir Osmangazi University, Pediatric Hematology, Eskişehir, Turkey, 6Eskisehir Osmangazi University, Eskişehir, Turkey

**Poster Session (LB TPS 8) – Experimental insights in food allergy**

**1558** The major cod allergen Gad m 1 and the codfish food matrix interact with bronchial epithelial cells and modulate expression of cytokines
   Kalic T.1, Ellinger I.1, Gepp B.1, Radauer C.1, Niederberger V.2, Waltl E.2, Breiteneder H.1
   1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Otorhinolaryngology, Vienna, Austria

**1559** Activation of INKTs by food derived lipids
   Humenjuk P.1, Pfeifer S.1, Dubiela P.1, Aina R.1, Nagl C.1, Hoffmann-Sommergruber K.1
   1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria
The interplay of Ara h 1 and peanut lipids in the allergen sensitisation process

Palladino C.1, Gepp B.1, Angeline A.2, Sirvent S.2, Radauer C.1, Lenger N.1, Eiwegger T.2, Palomares O.2
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Complutense University of Madrid, Department of Biochemistry and Molecular Biology, Madrid, Spain

Blocking antibodis induced by immunisation with a hypoallergenic parvalbumin mutant reduce allergic symptoms in a mouse model of fish allergy

Freidl R.1, Gstoettner A.1, Baranyi U.2, Swoboda I.1, Stolz F.2, Focke-Tejkl M.1, Wekerie T.2, van Ree R.4, Valenta R.1, Linhart B.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Medical University of Vienna, Department of Surgery, Vienna, Austria, 3Biomay AG, Vienna, Austria, 4Academic Medical Centre, Departments of Experimental Immunology and of Otorhinolaryngology, Amsterdam, Netherlands

Allergenicity of thermally aggregated ovalbumin for egg allergic patients and in a murine model

Claude M.1, Lupi R.1, Bouchaud G.1, Bodinier M.1, Brossard C.1, Denery-Papini S.1, Perot M.1
1INRA - UR 1268 BIA, Nantes, France

Heat imaging as a novel method for monitoring surface body temperature and physical activity during murine anaphylaxis

Pali-Schöll L.1,2, Manzano-Szalai K.1,2, Krishnamurty D.2, Stremnitzer C.2, Flaschberger I.2, Jensen-Jarolim E.1,2,4
1University of Veterinary Medicine Vienna, Messerli Research Institute, Vienna, Austria, 2Medical University of Vienna, Institute of Pathophysiology and Allergy Research, Vienna, Austria, 3Independent Information Scientist, Vienna, Austria, 4Biomedical International R+D, Vienna, Austria

Identification of IgE epitopes of plant food allergens pH-dependence of the major celery allergen Api g 1: timescale analysis under food processing conditions

Pavkov-Keller T.1,2, Valenta R.1,2,3, Focke-Tejkl M.1, Wekerle T.2, van Ree R.4, Valenta R.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2Universität für Bodenkultur, Vienna, Austria, 3Thebaudin J.-Y.3, Bodinier M.1, Larre C.1
1INRA - UR1268 BIA, Nantes, France, 2Institut Polytechnique LaSalle Beauvais, EGEAL Unit, Beauvais, France, 3Guaranteed Gluten Free, Research and Development, Roye, France

Polyphenols interactions with major wheat allergens reduce their capacity to induce allergic response

Perot M.1,2, Lupi R.1, Guyot S.1, Delayre-Orthez C.2, Gadonna-Widehem P.2, Thebaudin J.-Y.3, Bodinier M.1, Larré C.1
1INRA - UR1268 BIA, Nantes, France, 2Institut Polytechnique LaSalle Beauvais, EGEAL Unit, Beauvais, France, 3Guaranteed Gluten Free, Research and Development, Roye, France

Identification of IgE epitopes of plant food allergens cross-reacting with the major birch pollen allergen, Bet v 1

Kodydek M.A.A.1, Hoffmann-Sommergruber K.1, Keller W.2, Pavkov-Keller T.2, Valenta R.1, Focke-Tejkl M.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, 2Karl-Franzens University of Graz, Institute of Molecular Biosciences, Graz, Austria

Towards inclusion of sex and gender factors in food allergy research and practice: a trans-disciplinary stakeholders’ perspective

Pyrz K.1, Baumgartner S.2, Evans A.3, O’B. Hourihane J.4, Mills C.5, Dunn-Galvin A.1
1University College Cork, Applied Psychology, Cork, Ireland, 2Universität für Bodenkultur, Vienna, Austria, 3University of Manchester, Manchester, United Kingdom, 4University College Cork, Department of Paediatrics and Child’s Health, Cork, Ireland
1572 Comparative evaluation of clinical efficacy of whey hydrolysed and casein hydrolysed formulas in infants with cow's milk protein allergy
Borovik T.1, Makarov S.1, Skvortsova V.1, Zvonkova N.1, Bushueva T.1, Yatsyk G.1
1Scientific Center of Children's Health, Moscow, Russian Federation

1573 Evaluation of efficacy and safety of feeding an amino acid-based formula longterm in infants with cow's milk protein allergy: results of the open-label prospective postregistration trial
Khaleva E.1, Novic G.1, Bychkova N.2, Makarova N.2
1Saint Petersburg State Pediatric Medical University, Saint-Petersburg, Russian Federation, 2Nikiforov Russian Center of Emergency and Radiation Medicine, EMERCOM of Russia, Saint-Petersburg, Russian Federation

1574 Influence of different kinds of bottle-feeding on the formation sensitisation to milk proteins in infants
Denisova S.1, Sentsova T.1, Bogdanova S.1, Tarasova O.3, Il’enko L.3
1N.I. Pirogov Russian National Research Medical University, G.N. Speransky Municipal Children's Clinical Hospital № 9, Moscow, Russian Federation, 2Research Institute of Nutrition, Russian Academy of Medical Sciences, Moscow, Russian Federation, 3N.I. Pirogov Russian National Research Medical University, Moscow, Russian Federation

1575 Initial measures to prevent children's of early age allergy to proteins of cow’s milk
Denisova S.1, Sentsova T.2, Tarasova O.3, Il’enko L.3
1N.I. Pirogov Russian National Research Medical University, G.N. Speransky Municipal Children's Clinical Hospital № 9, Moscow, Russian Federation, 2Research Institute of Nutrition, Russian Academy of Medical Sciences, Moscow, Russian Federation, 3N.I. Pirogov Russian National Research Medical University, Moscow, Russian Federation

1576 The influence of immunomodulatory dietary factors from mother’s diet during pregnancy on the development of cow’s milk allergy in the offspring
Sardecka I.1, Toporowska-Kowalska E.1, Krogiuska A.2
1Medical University, Lodz, Poland, 2Collegium Medicum, Nicolaus Copernicus UniversityMedicum, Bydgoszcz, Poland

1577 Allergy to cow’s milk proteins in Mexico City and Camaquey Cuba
Celio Murillo R.1,2, Rodríguez Santos O.3, Laurrabaquio Miranda A.M.4, Cruz Suarez M.A.5
1Benemerita Universidad Autonoma de Puebla, Pediatría y Alergia e Immunología Clínica, Tehuacan, Mexico, 2Universidad de la República, Uruguay, 3Centro Medico de Especialidades S.A de C.V. Ciudad Juarez, Alergologia e Immunologia, Ciudad Juarez, Mexico, 4Hospital Angeles Clínica Londres, Allergy and Clinical Immunology, Mexico City, Mexico, 5National Institute of Respiratory Diseases, Immunogenetics and Allergy Department, Mexico City, Mexico

1578 Food allergy sensitisation and presentation in siblings of food allergic children
1Northwestern University Feinberg School of Medicine, Center for Community Health, Chicago, United States, 2Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, United States, 3Johns Hopkins Bloomberg School of Public Health, Baltimore, United States, 4Edward J. Hines Jr. VA Hospital, Spinal Cord Injury QUERI, Center for Management of Complex Chronic Care, Hines, United States

1579 Desensitisation treatment in patients with sensitisation to lipid transfer protein (LTP)
Aruanno A.1, Nucera E.1, Buonomo A.1, Rizzi A.1, Pascolini L.1, Ricci A.G.1, Di Rienzo A.1, Centrone M.1, Carusi V.1, Chini R.1, Mezzacappa S.1, Schiavino D.1
1Policlinico A. Gemelli, Allergy, Roma, Italy

1580 A systematic review of the impact of birch pollen immunotherapy on pollen food syndrome
Clayton J.1, Skypala L.1,2
1Imperial College, London, United Kingdom, 2Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

1581 Effect of feeding patterns on serum zonulin levels of infants
Kolyva T.1, Chrysis D.2, Kritikou D.2, Trioka M.1
1University General Hospital of Patras, Paediatric Allergy Unit, Department of Paediatrics, Patras, Greece, 2University General Hospital of Patras, Department of Paediatrics, Patras, Greece

1582 Measles, MMR and varicella vaccinations in children with egg allergy
Ozdemir O.1
1Sakarya University, Adapazari, Turkey

1583 Allergy to oligosaccharides from mammalian meats in the Bilbao area (Northern Spain)
Navajas Rodriguez B.1, Soriano Galarraga A.M.1, Jaurequi, Presa I.1, García Lirio E.2, Urrutia Etxebarria I.2, Gamboa Setien P.M.2, Antepara Ercoreca I.2
1Hospital Universitario Basurto, Allergy, Bilbao, Spain, 2Hospital Universitario Basurto, Bilbao, Spain

1584 Effect of urban vs. rural residence on shrimp allergy: immunological cross-reactions with common inhalant allergens in Chinese schoolchildren
Yan Z.1, Zhao J.1, Wei N.1, Xian M.1, Feng M.1, Wong G.W.K.2, Li J.1
1The First Affiliated Hospital of Guangzhou Medical University, Department of Allergy and Clinical Immunology, Guangzhou, China, 2Chinese University of Hong Kong, Department of Paediatrics, Prince of Wales Hospital, Hong Kong, China

1585 Diagnostic testing in the evaluation of food allergy
Camacho Ordóñez N.1, García Cruz M.L.2
1Hospital Angeles Clínica Londres, Allergy and Clinical Immunology, Mexico City, Mexico, 2Hospital Angeles Clinica Londres, Allergy and Clinical Immunology, Mexico City, Mexico
Creating a system to track allergic reactions in schools

Characterising pediatricians’ management of food allergy to improve care coordination

Creating a system to track allergic reactions in schools

Characteristics of allergic proctocolitis in early infancy

Evaluation of serum IL-33 levels in different asthma phenotypes

Poster Session (LB TPS 10) – Immunopathomechanisms in asthma

Poster Exhibition

Investigation of the synergetic damaging effect of factors decreasing the respiratory epithelium

Genetic variants modulate the PTGDR expression

Asthmatic farm children exhibit more CD3+CD8lowCD25+ T cells

High titer specific IgG4 antibodies to cow’s milk components are a major feature of pediatric eosinophilic esophagitis

The level of adipokines in obese asthmatic children

Evaluation of serum IL-33 levels in different asthma phenotypes
1597 Single nucleotide polymorphism in the promoter of the human interleukin-13 gene is associated with asthma in Iranian children
Soleimani M.1, Houshmand M.2, Akbari M.1, Moin M.3
1 Ashkezar Branch, Islamic Azad University, Department of Biology, Yazd, Iran, Islamic Republic of; 2 National Institute of Genetic Engineering and Biotechnology, Department of Medical Biotechnology, Tehran, Iran, Islamic Republic of; 3 Research Institute, Tehran University of Medical Sciences, Immunology, Asthma and Allergy, Tehran, Iran, Islamic Republic of

1598 Interrelation of markers of systemic inflammation and clinical and functional parameters at ACOS syndrome
Demko I.1, Chubarova S.1, Krapooshina A.1, Sobko E.1, Soloveva I.1, Ischenko O.1, Gordeeva N.1, Lenkova N.1
1 Krasnoyarsk State Medical University named after Prof. V.F. Voyno-Yasenetsky, Krasnoyarsk, Russian Federation

1599 Control of cytokine profile in patients with asthma
Yeryomenko G.V.1
1 Kharkiv National Medical University, Propedevtic of Internal Medicine №2 and Nursing, Kharkov, Ukraine

1600 Changes in platelet activation markers during aspirin challenge test in aspirin-exacerbated respiratory disease
Mitsui C.1, Hayashi H.1, Watai K.1, Kamide Y.1, Fukutomi Y.1, Sekiya K.1, Tsuburai T.1, Mori A.1, Taniguchi M.1
1 Sagamihara National Hospital, Clinical Research Center for Allergy and Rheumatology, Sagamihara, Japan

1601 Can neutrophil/lymphocyte ratio be a novel biomarker of inflammation in children with asthma?
Nacaroglu H.T.1, Isguder R.2, Bent S.3, Erdem Bahceci S.2, Ceylan G.2, Korkmaz H.A.2, Karaman S.2, Unsal Karkiner C.S.2, Can D.1
1 Department of Pediatrics Allergy, Bağcılar Training and Research Hospital, Istanbul, Turkey; 2 Department of Pediatrics Allergy, Dr. Behçet Uz Children’s Hospital, İzmir, Turkey; 3 Department of Pediatrics Allergy, Bağcılar Training and Research Hospital, İzmir, Turkey

1602 Seric levels of β1 and β2 integrin subunits are associated with asthma severity
1 Instituto Nacional de Enfermedades Respiratorias, Hiperreactividad Bronquial, Mexico, Mexico; 2 University of Gothenburg Sahlgrenska Academy, Institute of Medicine Department of Internal Medicine & Clinical Nutrition, Gothenburg, Sweden; 3 Instituto Nacional de Enfermedades Respiratorias, Mexico, Mexico

1603 Hormetic effect of chronic hypergravity in a mouse model of allergic asthma and rhinitis
Jang T.Y.1, Jung A.-Y.1, Kim Y.H.1
1 Inha University College of Medicine, Incheon, Korea, Republic of

1604 Perinatal risk factors of asthma development in Ukrainian children
Mazulov O.1,2
1 Vinnitsa State Pirogov Memorial Medical University, Pediatric #1, Vinnitsa, Ukraine; 2 Vinnitsa Children’s Regional Hospital, Allergy and Pulmonology, Vinnitsa, Ukraine

1605 Interrelation between asthma and autoimmune diseases in children
Murgu A.1, Moraru E.1, Ioncuic I.1, Azoicăi A.1, Stana B.1, Crisov I.1, Alexoae M.1, Chiriac A.2, Simineeanu N.1
1 University of Medicine & Pharmacy Iași, Pediatrics, Iași, Romania; 2 Dermatology Department, Dermatology, Iași, Romania
1606 Burden and correlates of cigarette smoking and respiratory airway obstruction: an observation in urban adult population of West Bengal (India) 
Chakrabarty K.1, Chakrabarty N.1, Mahapatra T.1, Mitra R.N.1, Musk A.W.2
1Barrakpore Population Health Research Foundation, Population Health, Uttarpara, India, 2Sir Charles Gairdner Hospital, University of Western Australia, School of Population Health, Nedlands, Australia

1608 Gene of eNO-synthase in patients with asthma and obesity 
Pasiechny T.1, Zheleznjakova N.1
1Kharkiv National Medical University, Kharkiv, Ukraine

1609 Moderate-severe pediatric asthma: good control...at what price? 
Campa Falcon N.1, Monterde C.1, Perez S.1, Domingo Miró X.1, Valdesoro Naravlete L.1, Larramona H.1, Bosque Garcia M.1, Asensio O.1, Gascon Casaredo L.1
1Hospital Parc Taulí de Sabadell, Pediatrics, Sabadell, Spain

1610 Agreement between children with asthma and their parents on quality of life 
Khoshkhui M.1
1Masnad University of Medical Sciences, School of Medicine, Mashhad, Iran, Islamic Republic of

1611 Healthy Ageing Research Center (HARC) as a platform for multidisciplinary approaches to asthma research in the elderly: study on the basophils/eosinophil progenitor cells in asthma exacerbation 
Rywaniak J.Z.1, Wardzyńska A.1, Makowska J.1, Pawelczyk M.1, Jamroz J.1, Kowalski M.L.1
1Medical University of Lodz; Healthy Ageing Research Center, Department of Immunology, Rheumatology and Allergy, Łódź, Poland

1612 Demographic, medical, socioeconomic issues of asthmatic children in Poland 
Jedynak-Wasowicz U.1, Ordyk B.2, Pankowska A.1, Stelmach I.1, Krogulska A.1, Lebenstejn D.1, Małączyńska T.1, Lange J.6, Kurzawa R.7, Kalinowska A.1, Cichocka-Jarosz E.1, Lis G.1, Asthma Control Study Group
1Jagiellonian University Medical College, Department of Pediatrics, Kraków, Poland, 2Allergy Out-Patient Clinic for Children, Olkus, Poland, 6Center for Lung Diseases Treatment and Rehabilitation, Department of Respiratory Tract Diseases for Children, Łódź, Poland, 7Medical University of Łódź, Department of Pediatrics and Allergy, Łódz, Poland

1613 Prevalence of allergic disease symptoms in inhabitants of Natural Park Lonjsko Polje, Croatia 
Topalušić I.1, Stipić Marković A.2, Bucić L.2, Pavlović M.2, Ikić Matijašević M.2
1Children’s Hospital Zagreb, Clinic of Pediatrics, Zagreb, Croatia, 2Clinical Hospital Sveti Duh, Internal Clinic, Department of Clinical Immunology, Pulmology and Rheumatology, Zagreb, Croatia, 3Institute for Medical Research and Occupational Medicine, University of Zagreb, Zagreb, Croatia

pmDI with DIY spacer versus nebulizer for bronchodilator therapy in children admitted with asthmatic attack 
Poachanukoon O.1, Leelathipkul L.1, Tantcharoenwiwat P.1, Ithiawachakul J.1
1Thammamasat University, Pediatrics, Faculty of Medicine, Pathumtani, Thailand

A 6-month safety and benefit study of inhaled fluticasone propionate/salmeterol combination versus inhaled fluticasone propionate in the treatment of subjects 4-11 years old with persistent asthma 
1GlaxoSmithKline, Durham, United States, 2GlaxoSmithKline, RTP - Durham, United States, 3Parexel International, RTP - Durham, United States

Inhaled corticosteroids do not reduce high activity of MMP-9 in exhaled breath condensates of children with asthma 
Grzela K.1, Zagórska W.1, Grzela T.2
1Warsaw Medical University, Pediatric Pulmonology and Allergology, Warszawa, Poland, 2Warsaw Medical University, Warszawa, Poland

New highly efficient therapeutic modalities to manage hormone-dependent and hormone-resistant forms of bronchial asthma 
Salimov I.I.1, Salimov M.I.1
1Private Clinic ‘I.I.Salimov’, Tashkent, Uzbekistan

Serum zinc levels and asthma control in childhood asthma patients in Sakarya province of Turkey 
Özdemir O.1, Elmas B.1
1Sakarya University, Pediatrics, Adapazarı, Turkey

Use of pharmacogenetics to optimize asthma therapy: targeting the glucocorticoid receptor gene 
Fathallah N.1, Slim R.1, Larif S.1, Ben Salem C.1
1Faculty of Medicine, Sousse University, Department of Pharmacology, Metabolic Biophysics, Professional Toxicology and Applied Environmental Laboratory (LR 12ES02), Sousse, Tunisia

Chronic respiratory symptoms, allergic sensitisation and ventilatory impairment in crop farmers 
Stoleski S.1, Minov J.1, Karadžinska-Bislimovska J.1, Mijakoski D.1
1Institute for Occupational Health of R. Macedonia, Skopje, Macedonia, the Republic of

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1620 Lung function and sensitisation to platinum salts in automobile catalyst workers
Mijakoski D.1, Karadzinska-Bislimovska J.2, Stoleski S.2, Minov J.2, Marsenic M.1
1Institute of Occupational Health of R. Macedonia, the Republic of, 2Institute of Occupational Health of R. Macedonia, WHO CC, GA2LEN CC, Allergy Center, Skopje, Macedonia, the Republic of

1622 Allergic manifestations of some primary immunodeficiency in children
Stasii E.1, Gorelco T.2, Culesin T.3, Nicu O.1
1State Medical and Pharmaceutical University, Chisinau, Republic of Moldova, 2Mother and Child Institute, Allergy and Immunology, Chisinau, Republic of Moldova, 3Mother and Child Institute, Chisinau, Republic of Moldova

1623 Allergic manifestations in patients with primary antibody production deficiencies
Beltyukov E.1, Karakina M.2, Skorokhodov I.1, Naumova V.1
1Ural State Medical University, Ekaterinburg, Russian Federation, 2Region Clinical Hospital № 1, Ekaterinburg, Russian Federation

1624 Early and late B cell developmental impairment in NFkB1 mutated CVID disease
Lougaris V.1, Moratto D.1, Baronio M.1, Tampella G.1, van der Meer J.W.2, Badolato R.1, Fliegauf M.3, Plebani A.1
1University of Brescia, Brescia, Italy, 2Radboud University Medical Centre, Nijmegen, Netherlands, 3University Medical Center Freiburg and University of Freiburg, Freiburg, Germany

1625 p85alpha is an intrinsic regulator of human natural killer cell effector functions
Lougaris V.1, Patrizi O.1, Baronio M.1, Tabellini G.1, Tampella G.1, Lanzi G.1, Salvini F.2, Trizzino A.3, Parolini S.1, Plebani A.1
1University of Brescia, Brescia, Italy, 2University of Milan, Milan, Italy, 3ARNAS CIVICO, Palermo, Italy

1626 Antibiotics resistance in primary immunodeficiency disease patients infected with candida
Kamali Sabzevari S.1, Roodbar Mohammadi S.2, Fakhr Mousavi N.2, Pourpak Z.2
1Immunology, Asthma & Allergy Research Institute, Medical Science, University of Tehran, Tehran, Iran, Islamic Republic of, 2Mycology group, Medical University, Tarbat Modaress University, Tehran, Iran, Islamic Republic of, 3Immunology, Asthma & Allergy Research Institute, Medical Science/University of Tehran, Tehran, Iran, Islamic Republic of

1627 Bone metabolism in adult and pediatric patients with humoral immunodeficiencies
Leonardi L.1, Cinicola B.L.1, Albanese C.2, Misasi R.3, Minisola S.4, Maglione V.1, Duse M.1
1Sapienza University, Pediatric Allergy and Immunology, Rome, Italy, 2Sapienza University, Radiological Science, Rome, Italy, 3Sapienza University, Experimental Medicine, Rome, Italy, 4Sapienza University, Internal Medicine and Medical Disciplines, Rome, Italy

1628 Down-regulation of increased TRAF6 expression in the peripheral mononuclear cells of patients with primary Sjögren’s syndrome by an EBV-EBER1 specific synthetic single stranded complementary DNA molecule
Sipka S.1, Zilahi E.1, Papp G.1, Nagy A.1, Hegyi K.2, Könya J.3, Zeher M.1
1University of Debrecen, Division of Clinical Immunology, Debrecen, Hungary, 2University of Debrecen, Department of Pathology, Debrecen, Hungary, 3University of Debrecen, Department of Microbiology, Debrecen, Hungary

1632 Potential of CCL22 to recruit mice T regulatory cells from the University Hospitals of Geneva
Posa M.1, Muller V.1, Amzalag G.1, Pache J.-C.2, Seebach J.1
1University Hospital Geneva, Genève, Switzerland, 2Centre Hospitalier Universitaire Vaudois and University of Lausanne, Lausanne, Switzerland

1633 Antibiotics resistance in primary immunodeficiency disease patients infected with candida
Kamali Sabzevari S.1, Roodbar Mohammadi S.2, Fakhr Mousavi N.2, Pourpak Z.2
1Immunology, Asthma & Allergy Research Institute, Medical Science, University of Tehran, Tehran, Iran, Islamic Republic of, 2Mycology group, Medical University, Tarbat Modaress University, Tehran, Iran, Islamic Republic of, 3Immunology, Asthma & Allergy Research Institute, Medical Science/University of Tehran, Tehran, Iran, Islamic Republic of

1634 Clinical features, diagnosis and treatment response of large-vessel vasculitis: retrospective cohort study from the University Hospitals of Geneva
Posa M.1, Muller V.1, Amzalag G.1, Pache J.-C.2, Seebach J.1
1University Hospital Geneva, Genève, Switzerland, 2Centre Hospitalier Universitaire Vaudois and University of Lausanne, Lausanne, Switzerland

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1Sapienza University, Pediatric Allergy and Immunology, Rome, Italy, 2Sapienza University, Radiological Science, Rome, Italy, 3Sapienza University, Experimental Medicine, Rome, Italy, 4Sapienza University, Internal Medicine and Medical Disciplines, Rome, Italy

Parolo A.1,2, Colpo A.2, Marson P.2, Tison T.2, Silvestre C.3, Furian L.3, Rigotti P.1, Crivellaro M A.1
1Azienda Ospedaliera di Padova, Medicina del Lavoro, Padova, Italy, 2Azienda Ospedaliera di Padova, UOC Immunotrasfusionale, Padova, Italy, 3Azienda Ospedaliera di Padova, UOC Trapianti Rene Pancreas, Padova, Italy
Myosin essential light chain (Gal d 7), a major poultry meat allergen
Klug C.1, Hemmer W.2, Focke M.3, Quirce S.4, Boyano-Martínez T.4, Gaußter E.5, Wank H.1, Swoboda I.1
1FH Campus Wien - University of Applied Sciences, Vienna, Austria, 2Floridsdorf Allergy Center, Vienna, Austria, 3Medical University of Vienna, Department of Pathophysiology and Allergy Research, Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, 4Hospital La Paz Institute for Health Research (IdiPAZ), Department of Allergy, Madrid, Spain, 5University of Vienna, Department of Structural Biology and Biomolecular Chemistry, Vienna, Austria

Comparison of Par j 2.0101, a major allergen of Parietaria judaica pollen, produced in different expression systems
Dorofeeva Y.1, Valenta R.1, Focke-Tejkl M.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Division of Immunopathology, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria

Recombinant allergens development for component resolved diagnosis and monitoring of House dust mite allergy
Kim Y.1,2, Choi W.1, Jeon H.2, Lee M.3, Kwon Y.2
1Wommedical Corp., Bucheon-si, Korea, Republic of, 2Donguk University, Seoul, Korea, Republic of

Expression of a GFP fused single chain antibody specific for Bet v 1 in E. coli cytosol
Hofer G.1, Boodos M.1, Gadermaier E.2, Flicker S.2, Valenta R.2, Keller W.1
1KF University Graz, Institute for Molecular Biosciences, Graz, Austria, 2Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria

Recognition of linear IgE-binding peptides of Pis s 1 in pea-allergic versus tolerant children
Nürnberg J.1, Trendelenburg V.2, Niggemann B.2, Randow S.1, Reuter A.1, Schiller D.1, Vieths S.1, Beyer K.2, Holzhauser T.1
1Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany, 2Charité University Medical Center Berlin, Department of Pediatric Pneumology and Immunology, Berlin, Germany

Structural and biophysical characterisation of a locust and a bacterial thaumatin-like protein and comparison with the structurally related plant-food allergens
Eder M.1, Wortmann J.1, Resch Y.2, Vrtala S.2, Breiteneder H.2, Keller W.1
1Karl-Franzens University of Graz, Graz, Austria, 2Medizinische Universität Wien; Institut für Pathophysiologie & Allergieforschung, Wien, Austria

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1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Division of Immunopathology, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria

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1Wommedical Corp., Bucheon-si, Korea, Republic of, 2Donguk University, Seoul, Korea, Republic of

Variable Can f 1 contents in the hair extracts from dog breeds commonly found in Korean domestics
Lee J.1, Sim D.W.1, Jeong K.Y.1, Park K.H.1, Park H.J.1, Lee J.H.1, Park J.W.1
1Yonsei University College of Medicine, Institute of Allergy, Dept.of Internal Medicine, Seoul, Korea, Republic of

The concentration and composition of dog allergens in dog dander extracts from different vendors
Whitman A.1, Binmyr J.1, Holmgren E.1, Gafvelin G.1, Grönlund H.1
1Karolinska Institute, Clinical Neuroscience, Stockholm, Sweden

Relaunch of the AllFam database of allergen families: new data sources and features
Radauer C.1, Goodman R.E.2, Breiteneder H.1
1Medical University of Vienna, Department of Pathophysiology and Allergy Research, Vienna, Austria, 2University of Nebraska - Lincoln, Food Allergy Research and Resource Program, Dept. of Food Science & Technology, Lincoln, United States

Cross-reactive carbohydrate determinants in children with insect venom allergy
Horváth H.1, Radó J.1, Kovács K.2, Beleznay Z.2, Cserháti E.1, Mezei G.1
1Semmelweis University, 1st Department of Pediatrics, Budapest, Hungary, 2Semmelweis University, Department of Laboratory Medicine, Budapest, Hungary

How do molecular allergy techniques help to clarify the diagnosis and immunotherapy of insect venom allergy?
Mezei G.1, Radó J.1, Horváth H.1, Kovács K.2, Cserháti E.1, Beleznay Z.2
1Semmelweis University, 1st Department of Pediatrics, Budapest, Hungary, 2Semmelweis University, Department of Laboratory Medicine, Budapest, Hungary

Comparison of two methods for measuring IgE to a panel of partly molecular based hymenoptera allergens
Micaletto S.1, Virgini V.1, Schmid-Grendelmeier P.1
1University Hospital of Zürich, Allergy Unit, Department of Dermatology, Zürich, Switzerland

Quantitative measurement of specific IgEs using allergen microarrays
Jeon H.1, Kim Y.2, Kim S.3, Kim J.3, Kwon Y.1
1Dongduk University, Biomedical Engineering, Seoul, Korea, Republic of, 2Wommedical Corp., Bucheon-si, Korea, Republic of, 3Gachon University Gill Hospital, Incheon, Korea, Republic of, 4LabGenomics Co., Ltd, Seongnam-si, Korea, Republic of

Specific IgE to propolis extracts among pollen allergic children with insect venom allergy
Horváth H.1, Radó J.1, Kovács K.2, Beleznay Z.2, Cserháti E.1, Mezei G.1
1Semmelweis University, 1st Department of Pediatrics, Budapest, Hungary, 2Semmelweis University, Department of Laboratory Medicine, Budapest, Hungary

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1Dongduk University, Biomedical Engineering, Seoul, Korea, Republic of, 2Wommedical Corp., Bucheon-si, Korea, Republic of, 3Gachon University Gill Hospital, Incheon, Korea, Republic of, 4LabGenomics Co., Ltd, Seongnam-si, Korea, Republic of

Specific IgE to propolis extracts among pollen allergic patients
Shahali Y.1,2, Shokouhi Shamorami R.1, Tayebi B.1, Boisard S.3, Fazlollahi M.R.1, Hilger C.1, Pourpak Z.1
1Immunology, Asthma and Allergy Research Institute, Tehran University of Medical Sciences, Tehran, Iran, Islamic Republic of, 2Razi Vaccine and Serum Research Institute, Karaj, Iran, Islamic Republic of, 3EA 921 SONAS/SFR 4207 QUASAV, Université d’Angers, Angers, France, 4Department of Infection and Immunity, Luxembourg Institute of Health, Esch-sur-Alzette, Luxembourg
1649  Complex binding kinetics of α-gal specific IgE in the ImmunoCAP sponge: underestimation of the concentration of low-affinity α-gal specific IgE?  
 de Boer D.1, Massij F.1, Menheere P.1, Nieuwhof C.2, Bons J.1  
 1MUMC+, Central Diagnostic Laboratory, Maastricht, Netherlands, 2MUMC+, Internal Medicine, Maastricht, Netherlands.

1650  Evolution and predictive value of IgE responses towards a comprehensive panel of house dust mite allergens during the first two decades of life: a longitudinal birth cohort study  
 Posa D.1, Perna S.1, Resch Y.2, Lupinek C.2, Panetta V.3, Hofmaier S.1, Rohrbach A.1, Hatzler L.1, Grabenhennenich L.4, Tsilocharistou O.1, Chen K.-W.2, Bauer C.-P.2, Hoffman U.2, Forster J.6, Zepp F.6, Schuster A.6, Wahn U.1, Keil T.4, Lau S.1, Vrtaša S.2, Valenta R.2, Matricardi PM.1  
 1Charité - Universitätsmedizin Berlin, Paediatric Pneumology & Immunology, Berlin, Germany, 2Medical University of Vienna, Division of Immunopathology, Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology and Immunology, Vienna, Austria, 3altrastatistica srl – Consultancy Creation and development of a 4-level international educational process on molecular allergology: experience of the Medical University of Vienna Garib V.1, Valenta R.1  
 1Medical University of Vienna, Dept. of Pathophysiology and Allergy Research, Wien, Austria

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1654  Efficacy of a new nasal steroid, S0597, for the treatment of ragweed induced allergic rhinitis; tested in an environmental challenge exposure unit (EEU)  
 Ellis A.K.1,2, Steacy L.M.2, Walker T.J.2, Joshi A.3, Bhowmik S.3, Raut A.3  
 1Queen's University, Medicine, Kingston, Canada, 2Allergy Research Unit, Kingston General Hospital, Kingston, Canada, 3SunPharma Advanced Research Corporation, Mumbai, India.

1655  Predictive significance of computed tomography in eosinophilic chronic rhinosinusitis with nasal polyps  
 Menq Y.1, Lou H.1, Wang C.1, Zhang L.1,2,3  
 1Beijing TongRen Hospital, Capital Medical University, Department of Otolaryngology Head and Neck Surgery, Beijing, China, 2Beijing Institute of Otolaryngology, Beijing Key Laboratory of Nasal Diseases, Beijing, China, 3Beijing TongRen Hospital, Capital Medical University, Department of Allergy, Beijing, China

1656  A randomised placebo-controlled trial of sublingual immunotherapy tablet for seasonal rhinitis to grass allergen: clinical outcomes, local symptoms and early time course of immunologic changes  
 Steveling-Klein E.H.1, Lao-Araya M.1, Koulias C.1, Chowdhury M.1,2, Scadding G.1, Elfan A.1, Dumitru A.1, Penaqot M.1,2, Calderon M.1,2, Shamji M.1,2, Durham S.R.2  
 1Imperial College London, London, United Kingdom, 2NHLI Imperial College London, London, United Kingdom

1657  Efficacy of a new nasal steroid, S0597, for the treatment of ragweed induced allergic rhinitis; tested in an environmental challenge exposure unit (EEU)  
 Ellis A.K.1,2, Steacy L.M.2, Walker T.J.2, Joshi A.3, Bhowmik S.3, Raut A.3  
 1Queen's University, Medicine, Kingston, Canada, 2Allergy Research Unit, Kingston General Hospital, Kingston, Canada, 3SunPharma Advanced Research Corporation, Mumbai, India.

1658  Study of efficacy of sublingual immunotherapy (SLIT) in cases severe persistent allergic rhinitis  
 Jain S.1  
 1ENT Centre, ENT, Indore, India

1659  Evaluation of olfactory function in children with allergic rhinitis and nonallergic rhinitis  
 Kuruşlu S.1, Güney E.2, Söğütlü A.2, Celiksoy M.H.1, Kardaş Ş.2, Yıldırım U.2, Karlı R.2, Murat N.3, Sancak R.1  
 1Ondokuz Mayıs University Medicine Faculty Pediatric Immunology and Allergy, Samsun, Turkey, 2Ondokuz Mayıs University Faculty of Medicine, Otorhinolaryngology, Samsun, Turkey, 3Ondokuz Mayıs University, Industrial Engineering, Samsun, Turkey

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1660  The role of vitamin D in the etiology of chronic rhinosinusitis  
 Eyibilten A.2, Somuk B.T.2, Samapz E.1, Göktas G.1, Kesici H.2, Karaca Z.I.1, Ünsal V.4, Özyurt H.4  
 1Gaziosmanpa University, Faculty of Medicine, Otolaryngology, Tokat, Turkey, 2Gaziosmanpa University,
Severity of nasal obstruction can predict the anxiety status of patients with allergic rhinitis but not with vasomotor rhinitis

Lin X.1
1Beijing Institute of Otolaryngology, Department of Otolaryngology Head and Neck Surgery, Beijing, China

A model to predict the incidence of allergic rhinitis based on meteorological factors in Beijing, China

Quyang Y.1,2, Luo Zhang
1Beijing TongRen Hospital, affiliated to the Capital University of Medical Science, Department of Otolaryngology Head and Neck Surgery, Beijing, China.
2Beijing TongRen Hospital, Affiliated to the Capital University of Medical Science, Beijing, China

Poster Session (LB TPS 15) – Drug allergy

Hypersensitivity reactions to iodinated contrast media: a retrospective study of 14 cases

Gonzalez Salazar G.1, Mederos E.1, Mielgo R.1, Sanchez Millan M.1, Vives R.1, Dieguez M.1, Barranco R.1
1Hospital 12 de Octubre, Allergy, Madrid, Spain

Diagnosis of x-ray contrast medium induced hypersensitivity reactions

Kinacyian T.1, Schreiner S.1
1Medical University of Vienna, DIAID, Dept. of Dermatology, Vienna, Austria

Outcome of patients undergoing iodinated radio contrast media allergy testing: case series from a tertiary allergy referral centre

Naing C.1, Chong Y.Y.1
1Singapore General Hospital, Internal Medicine, Singapore, Singapore

Allergy to low molecular weight heparrins

Perez Alzate D.1, Blanca-Lopez N.1, Somoza Alvarex M.L.1, Garmartin M.1, Haroun E.1, Ruano Perez F.J.1, Canto Diez G.1
1Hospital Universitario Infanta Leonor, Allergy Department, Madrid, Spain

Skin testing in the diagnosis of cutaneous adverse drug reactions

Fathallah N.1, Mokni S.2, Slim R.1, Larif S.1, Ghariani N.2, Ben Salem C.1
1Faculty of Medecine, Sousse University, Department of Pharmacology, Metabolic Biophysics, Professional Toxicology and Applied Environmental Laboratory

Clinical pattern and causative agents of adverse cutaneous drug reactions (ACDRs): a 10-year retrospective study

Ben Salem C.1, Slim R.2, Fathallah N.2, Larif S.2, Zayani H.3, Ghariani N.4
1Faculty of Medecine, Sousse University, Department of Pharmacology, Metabolic Biophysics, Professional Toxicology and Applied Environmental Laboratory

Alterations in sinus pneumatisation patterns and anatomy in cystic fibrosis with chronic rhinosinusitis

Oryan N.1, Saleh H.1
1Imperial College, London, United Kingdom

Management of nasal polyposis in 18 patients with AERD

Azevedo J.1, Carvalho F.2, Faria E.1, Tavares B.1, Todo-Bom A.1
1Coimbra Hospital and University Centre, Allergy, Coimbra, Portugal. 2Coimbra Hospital and University Centre, Otorhinolaryngology, Coimbra, Portugal

Skin prick test analysis in allergic rhinitis patients: a preliminary study in Abuja, Nigeria

Ibekwe PI.1, Ikpeke T.S.2
1University of Abuja Teaching Hospital, Department of Internal Medicine, Abuja, Nigeria, 2University of Abuja Teaching Hospital, Department of Ear, Nose, Throat, Head and Neck, Abuja, Nigeria

Usefulness of lung function evaluation during oral challenge tests: 130 patients

Azevedo J.1, Tavares B.1, Carrapatoso M.L.1, Faria E.1, Todo-Bom A.1
1Coimbra Hospital and University Centre, Allergy, Coimbra, Portugal

Evaluation of children with suspected beta lactam allergy: a retrospective study

Cağlayan Sozmen S.1, Kose S.1, Tekcan D.2, Isik S.2, Arikan Ayvildiz Z.2, Aslisoy S.2, Uzuner N.2, Anal O.2, Karaman O.2
1Buca Women and Children Hospital, Izmir, Turkey, 2Dokuz Eylul University Medical Faculty, Izmir, Turkey, 3Sureyyapasa Education and Research Hospital, Istanbul, Turkey, 4Diyarbakir Research and Training Hospital, Diyarbakir, Turkey

Azathioprine adverse reactions reported to the pharmacovigilance centre of Sousse

Larif S.1, Fathallah N.1, Slim R.1, Ben Salem C.1
1Faculty of Medecine, Sousse University, Department of Pharmacology, Metabolic Biophysics, Professional Toxicology and Applied Environmental Laboratory

Antituberculosis drug allergy: is the most frequent reason pyrazinamide, which develops a reaction with the non-Ig E mechanism?

Keren M.1
1Imperial College, London, United Kingdom

Potential adverse reaction of some Chinese herbal medicine

Wong H.C.G.1
1University of British Columbia, Department of Medicine, Vancouver, Canada
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Sponsorship and Exhibition

This section contains information that is promotional in nature, distinct from the scientific/educational elements of the Congress.
Meda is pleased to invite you to our Lunch Symposium

ANAPHYLAXIS TODAY: FROM THEORY TO REALITY

Join us for lunch and dialogue on Sunday, June 12th
12:15 – 13:15
Room: Strauss 1+2

Chair: Antonella Muraro
EAACI and the Local Organising Committee gratefully acknowledge the support of the 2016 Founder Sponsors and Corporate Societies.

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EAACI thanks its Founder Sponsors for supporting its Green Meetings initiative.
Innovation of allergen specific immunotherapy

Join us to hear all about compelling clinical results from established and novel treatments of allergic rhinitis and food allergy.

TUESDAY, 14 June 2016
13:30 – 15:00 h, Hall B1

CHAIRS
Nikos Papadopoulos, UK/Greece
Ludger Klimek, Germany

Efficacy and safety results from a European Phase III trial with a sublingual birch allergen extract
Oliver Pfaar, Germany

Subcutaneous allergoid immunotherapy for the treatment of house dust mite allergy
Herbert Riechelmann, Austria

A novel SCIT product for peanut allergy from bench to clinic
Carsten Bindslev-Jensen, Denmark

Stay tuned for more details and follow us on
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EAACI would like to thank:

- Uriach for their educational grant to support the Allergy Awareness Campaign
- LABORATORIOS LETI, S.L. unipersonal for their educational grant to support the Virtual Congress Hub, the Allergy Awareness Campaign and the Pollen Counter
- Nestlé Health Science for their support of the Postgraduate Courses and the Annual Congress Scholarships
- Nutricia for the support of the Speaker Support Programme
- Novartis for their support of the Congress app
- Mylan Specialty L.P. for their educational grant to support the Practical Allergy Management Workshop
- Meda Pharma for providing auto-injectors for the emergency treatment of anaphylaxis throughout the venue

Disclosure of Transfers of Value

Please visit www.eaaci2016.org to view the conditions and the scope of the support provided by EFPIA member companies to EAACI on a voluntary basis.
Welcome to
ALK Symposia at EAACI 2016 in Vienna

Sunday 12 June 15.30 -17.00 hrs
Venue: Hall A2

HDM respiratory allergy:  
A global solution 
to a  
worldwide challenge

Chairs: J Christian Virchow & Victòria Cardona

Presentations:
Why is the worldwide challenge of HDM respiratory allergy so comprehensive?
Glenis K Scadding

SQ HDM SLIT-tablet, a global solution
Evidence from North America
Hendrik Nolte
Evidence from Japan
Kimihiro Okubo
Evidence from Europe
Victòria Cardona

Conclusions and new outlook
J Christian Virchow

Questions & Answers

Monday 13 June 17.30 -19.00 hrs
Venue: Strauss 1+2

The GAP trial:  
A landmark study in childhood respiratory allergic disease

Chairs: Waltraud Emminger & Erkka Valovirta

Presentations:
Can we stop the progression of childhood grass pollen allergy?
Ulrich Wahn

GAP trial design
– introducing a new era of evidence
Graham Roberts

GAP trial outcomes
– asthma and rhinitis results
Henrik Jacobi

Questions & Answers

Look forward to seeing you there
Sunday, 12 June 2016

Company Sponsored Symposium (CSS 1) 10:30 – 12:00
Meda AB: Take Control of Allergy Strauss 1+2

Chair: Herbert Riechelmann, Austria

Introduction
Herbert Riechelmann, Austria

Uncontrolled allergy – from atopic dermatitis to allergic rhinitis to anaphylaxis
Nikos Papadopoulos, Greece

Control gaps – time for an update?
Jean Bousquet, France

Taking control of allergy – armoury to better symptom relief
Dermot Ryan, United Kingdom

Discussion
Herbert Riechelmann, Austria
All

Company Sponsored Symposium (CSS 2) 13:30 – 15:00
Novartis Pharma AG: 50 years of IgE: What we’ve learnt and envisioning the future Strauss 3

Chair: William Busse, United States

Welcome and introduction
William Busse, United States

Dendritic cells: New findings about their role in allergic inflammation
Oscar Palomares, Spain

Prevention of exacerbation: Restoring the imbalance between allergic inflammation and anti-viral defence
William Busse, United States

Defining allergic asthma: Can we do better?
Adnan Custovic, United Kingdom

Q&A
All

50 years of IgE: Envisioning the future
William Busse, United States

Company Sponsored Symposium (CSS 3) 15:30 – 17:00
ALK: HDM respiratory allergy: A global solution to a worldwide challenge Hall A2

Chairs: J. Christian Virchow, Germany
Victoria Cardona, Spain

Why is the worldwide challenge of HDM respiratory allergy so comprehensive?
Glenis Scadding, United Kingdom

SQ HDM SLIT-tablet, a global solution
Evidence from North America
Hendrik Nolte, United States

Evidence from Japan
Kimihiro Okubo, Japan

Evidence from Europe
Victoria Cardona, Spain

Conclusions and new outlook
J. Christian Virchow, Germany

Questions & Answers
Meda is pleased to invite you to attend our symposium on Take Control of Allergy on Sunday, June 12th from 10:30 to 12:00 in Room Strauss 1+2.

Chairman: Herbert Riechelmann

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<td>Discussion</td>
<td>Herbert Riechelmann</td>
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Meda
Monday, 13 June 2016

Company Sponsored Symposium (CSS 4) 10:45 – 12:15

**Thermo Fisher Scientific: Allergen Components in Precision Medicine**  Hall A3

**Chair:** Rudolf Valenta, Austria

- From allergen extracts to molecular allergology - Towards prediction of allergy
  Rudolf Valenta, Austria

- Cracking the secrets of nut allergies by component resolved diagnostics?
  Barbara Ballmer-Weber, Switzerland

- IgE to Fel d 4 - An emerging predictor of asthma morbidity
  Elizabeth Matsui, United States

- A molecular approach in diagnosis of mite allergy and asthma
  Paolo Matricardi, Germany

Company Sponsored Symposium (CSS 5) 13:45 – 15:15

**Allergopharma GmbH & Co. KG: AIT 3.0 – The next step**  Hall B1

**Chair:** Petra Zieglmayer, Austria

- Innovative clinical endpoints in AIT studies
  Roy Gerth van Wijk, Netherlands

- Accelerated, flexible, modern – new evidence for pollen allergoids
  Adam Chaker, Germany

- Optimizing the dose in mite AIT
  Marek Jutel, Poland

Company Sponsored Symposium (CSS 6) 15:45 – 17:15

**Stallergenes Greer:**  Hall A2

*Introducing a patient centric approach to AIT: The three pillars of patient centricity in allergy immunotherapy*

**Chairs:** Ulrich Wahn, Germany
Zsolt Szépfalusi, Austria

- First pillar: Understanding our patients’ needs
  Nerin Bahceciler, Turkey

- Second pillar: Putting patients at the centre of quality, optimal treatment and adherence to allergy immunotherapy
  Carmen Vidal, Spain

- Third pillar: Bridging the gap from patients’ needs to physicians’ practice
  Pascal Demoly, France

Tuesday, 14 June 2016

Company Sponsored Symposium (CSS 7) 10:30 – 12:00

**Uriach: A focus on what matters to the allergic patient: Quality of Life and Safety**  Strauss 3

**Chairs:** Marcus Maurer, Germany
        G. Walter Canonica, Italy

- Chairs’ welcome and introduction
  Marcus Maurer, Germany / G. Walter Canonica, Italy

- Rupatadine anti-PAF effect as an added value in the treatment of allergic disorders
  Rosa Muñoz-Cano, Spain

- Offering clinical safety and improving Quality of Life to meet patient’s needs
  Claus Bachert, Belgium

- A safe ally in the allergic patient’s everyday life
  Marek L. Kowalski, Poland

- Discussion and concluding remarks moderated by
  Marcus Maurer, Germany / G. Walter Canonica, Italy
Please join us …

at this educational symposium to celebrate the anniversary of the discovery of IgE

What we’ve learnt and envisioning the future

Sunday, 12 June
13:30 – 15:00

Messe Wien Exhibition & Congress Center
Vienna, Austria
Room: Strauss 3

Visit www.resp2016.com for more information

PROGRAMME

Welcome and introduction
Chair: William Busse, USA

Dendritic cells: New findings about their role in allergic inflammation
Oscar Palomares, Spain

Prevention of exacerbation: Restoring the imbalance between allergic inflammation and anti-viral defence
William Busse, USA

Defining allergic asthma: Can we do better?
Adnan Custovic, UK

Q&A
All

50 years of IgE: Envisioning the future
William Busse, USA
Tuesday, 14 June 2016

Company Sponsored Symposium (CSS 8) 13:30 – 15:00

HAL Allergy: Innovation of allergen specific immunotherapy  Hall B1

Chairs: Nikos Papadopoulos, UK/Greece
Ludger Klimek, Germany

Efficacy and safety results from a European Phase III trial with a sublingual birch allergen extract
Oliver Pfärr, Germany

Subcutaneous allergoid immunotherapy for the treatment of house dust mite allergy
Herbert Riechelmann, Austria

A novel SCIT product for peanut allergy from bench to clinic
Carsten Bindslev-Jensen, Denmark

Sunday, 12 June 2016

Company Lunch Symposium (CLS 1) 12:15 – 13:15

Meda AB: Anaphylaxis today: from theory to reality Strauss 1+2

Chair: Antonella Muraro, Italy

Monday, 13 June 2016

Company Lunch Symposium (CLS 2) 12:30 – 13:30

Novartis Pharma AG: Patients versus Pathophysiology Strauss 3

A better understanding leads to improved outcomes in chronic spontaneous urticaria

Welcome and introductions
Clive Grattan, United Kingdom

The pathophysiology of chronic spontaneous urticaria should drive our approach to treatment
Marcus Maurer, Germany

Patients should drive our approach to the treatment of chronic spontaneous urticaria
Marta Ferrer, Spain

Rebuttals

Questions and panel discussion
All

Closing remarks
Clive Grattan, United Kingdom
PATIENTS VERSUS PATHOPHYSIOLOGY
A better understanding leads to improved outcomes in chronic spontaneous urticaria

Join us for the opportunity to hear from a stellar faculty as they debate and discuss the importance of a better understanding of the pathophysiology of chronic spontaneous urticaria and the role this has in improving patient outcomes.

12:30pm Welcome and introductions
   Clive Grattan, Consultant Dermatologist, Guy’s and St Thomas’ Hospital, London (Chair)
12:35pm The pathophysiology of chronic spontaneous urticaria should drive our approach to treatment
   Marcus Maurer, Professor of Dermatology and Allergy, Department of Dermatology and Allergy, Allergie-Centrum-Charité at the Charité - Universitätsmedizin Berlin, Germany
12:55pm Patients should drive our approach to the treatment of chronic spontaneous urticaria
   Marta Ferrer, Head of the Allergology Department, Clinica Universidad de Navarra, Pamplona, Spain
1:15pm Rebuttals
1:20pm Questions and panel discussion, All
1:30pm Closing remarks, Clive Grattan

Highlights of ‘Patients versus Pathophysiology – a better understanding leads to improved outcomes in chronic spontaneous urticaria’ will be available in the CSU Knowledge Centre on epgonline.org following the symposium. You will be notified by email as soon as the symposium content is available.

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epgonline.org is a global disease and medicines knowledge base for healthcare professionals. Conveniently arranged within 48 disease specialty areas, content includes learning zones, drug data (in 9 European languages), drug news, journal abstracts, clinical trial information, treatment guidelines, CME, videos and apps.

An application has been made to the EACCME® for CME accreditation of this event. Symposium and CME supported by funding from Novartis Pharma AG.
Company Sponsored Satellite Symposia

Sunday, 12 June 2016

Company Sponsored Satellite Symposium (SAT 1) 17:30 – 19:00

Allergy Therapeutics plc.: Adjuvants in allergy: elevating efficacy Hall B1

Ultra-short course immunotherapy
Ralph Mösges, Germany

Adjuvants in immunotherapy
Randolf Brehler, Germany

Future immunotherapy: virus like particles
Thomas Kündig, Switzerland

Company Sponsored Satellite Symposium (SAT 2) 17:30 – 19:00


Chair: Stephen Jolles, United Kingdom

Welcome, introductions and use of voting app
Stephen Jolles, United Kingdom

Diagnosing HAE patients today
Stephen Jolles, United Kingdom

Biomarkers: enabling earlier diagnosis
Marco Cicardi, Italy

Looking towards a future of improved diagnosis
Coen Maas, Netherlands

Genetics: future diagnostics and the role of family testing
Faculty

Questions and discussion
All

Closing remarks
Stephen Jolles, United Kingdom

Company Sponsored Satellite Symposium (SAT 3) 17:30 – 19:00

DBV Technologies: Epicutaneous Immunotherapy (EPIT): Bringing Innovation to the Treatment of Food Allergies Strauss 1+2

Company Sponsored Satellite Symposium (SAT 4) 17:30 – 19:00

Stallergenes Greer: From challenge to opportunity: driving change in AIT practice Strauss 3

Company Sponsored Satellite Symposium (SAT 5) 17:30 – 19:00

FAES FARMA: Setting safety as a benchmark Lehar 1

Chairs: Antonella Muraro, Italy
Ulrich Wahn, Germany

Ontogeny and the science of dosing in children
Martin Church, United Kingdom

Model-based drug development: why focus on paediatrics?
Mónica Rodríguez, Spain

Paediatric allergic rhinitis and urticaria: the role of bilastine
Nikos Papadopoulos, Greece

Bilastine: the safety car
Join Us For

Company Sponsored Symposium

Allergen Components in Precision Medicine

Hall A3, Monday, June 13, 10.45 – 12.15

Visit us in booth #A.09 and discover the connection between allergy blood testing and precision medicine

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On the road to prevention and healthy living
Company Sponsored Satellite Symposium (SAT 6) 17:30 – 19:00
Teva Pharmaceuticals Europe BV: Treating uncontrolled severe eosinophilic asthma now and in the future
Lehar 2

Welcome and introduction
Leif Bjermer, Sweden

Unmet needs: rising to the challenge of uncontrolled severe asthma
Kai Beeh, Germany

Asthma phenotypes and biomarkers: can we predict treatment response?
Jan Lötvall, Sweden

Moving to the next level: targeting eosinophilic inflammation
Stephanie Korn, Germany

Reaching new horizons for our patients
All

Summary and close
Leif Bjermer, Sweden

Monday, 13 June 2016

Company Sponsored Satellite Symposium (SAT 7) 17:30 – 19:00
GLAXOSMITHKLINE: Evolving Treatment Options in Asthma
Hall B1

Chair: Neil Barnes, United Kingdom

Welcome and introduction
Neil Barnes, United Kingdom

Improving Asthma Management
Ronald Dahl, Denmark

Severe Asthma: An Emerging Role for Biomarkers
Andrew Greening, United Kingdom

Severe Refractory Eosinophilic Asthma: Impact of Mepolizumab
Peter Howarth, United Kingdom

Panel discussion chaired by:
Neil Barnes, United Kingdom

Close

Company Sponsored Satellite Symposium (SAT 8) 17:30 – 19:00
ALK: The GAP trial: A landmark study in childhood respiratory allergic disease
Strauss 1+2

Chairs: Erkka Valovirta, Finland
Waltraud Emminger, Austria

Can we stop the progression of childhood grass pollen allergy?
Ulrich Wahn, Germany

GAP trial design – introducing a new era of evidence
Graham Roberts, United Kingdom

GAP trial outcomes – asthma and rhinitis results
Henrik Jacobi, Denmark

Questions & Answers
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 Thermo Fisher Scientific, Immuno-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 responsible for the selection of the nominees and the winner is chosen every year by a Scientific Committee, today comprised of the presidents of the major organizations within the field of allergy, asthma and immunology; EAACI, AAAAI and WAO.

The 2016 PhARF Award

The recipient will be announced at the:

EAACI Opening Ceremony

Date: Saturday, June 11
Time: 19.00-20.00
Place: The Messe Wien, Hall A
Company Sponsored Satellite Symposia

**Company Sponsored Satellite Symposium (SAT 9)**  
17:30 – 19:00

**Nestlé Health Science:**  
Preventing Allergy & Diagnosing Cow’s Milk Protein Allergy – Towards an Earlier Accurate Diagnosis  
**Satellite Symposium (SAT 9)**  
**Chair:** Sibylle Koletzko, Germany

- What can we learn from birth-cohorts? The GINI study from birth to 15 years.  
  Andrea von Berg, Germany
- Diagnosing Cow’s Milk Protein Allergy, how big is the gap between Medical Best-practice and Reality?  
  Sibylle Koletzko, Germany
- The CoMiSS as a Predictor for the Diagnosis of Cow’s Milk Protein Allergy  
  Yvan Vandenplas, Belgium

**Company Sponsored Satellite Symposium (SAT 10)**  
17:30 – 19:00

**LABORATORIOS LETI, S.L. unipersonal:**  
Facing allergy challenges with subcutaneous immunotherapy  
**Satellite Symposium (SAT 10)**  
**Chair:** Oliver Pfaar, Germany

- Subcutaneous immunotherapy for atopic dermatitis: safety and efficacy with depigmented-polymerized extracts  
  Natalija Novak, Germany
- Polysensitization: still a challenge in the treatments?  
  Victoria Cardona, Spain
- Treatment of the respiratory allergy: the patient’s perspective  
  Otto Spranger, Austria

**Company Sponsored Satellite Symposium (SAT 11)**  
17:30 – 19:00

**AstraZeneca:**  
The Management of Uncontrolled Eosinophilic Asthma in the Era of Targeted Medicine  
**Satellite Symposium (SAT 11)**  
**Chair:** Giorgio Walter Canonica, Italy

- Current Perspectives on Unmet Need and Heterogeneity of Uncontrolled Asthma  
  Pascal Chanez, France
- The Biology and Role of Eosinophilis in Uncontrolled Asthma  
  Thomas B. Casale, United States
- Emerging and Distinct Therapeutic Strategies for Eosinophilic Asthma  
  Giorgio Walter Canonica, Italy

**Company Sponsored Satellite Symposium (SAT 12)**  
17:30 – 19:00

**Aimmune plc.: Peanut Allergy Oral Immunotherapy: From Epidemiology to a Standardized Treatment Approach**  
**Satellite Symposium (SAT 12)**  
**Chair:** Anna H Nowak-Wegrzyn, United States

- Opening Remarks  
  Anna H Nowak-Wegrzyn, United States
- Epidemiology of Peanut Allergy  
  Ruchi Gupta, United States
- Review of Academic OIT Clinical Trials  
  Kirsten Beyer, Germany
- Safety and Efficacy Results From Aimmune’s Phase 2 Clinical Trials of Its’ Lead Investigational Product for the Treatment of Peanut Allergy  
  Andrew Bird, United States
- Summation  
  Anna H Nowak-Wegrzyn, United States
- Panel Discussion
- Closing Remarks  
  Anna H Nowak-Wegrzyn, United States
COMPANY SPONSORED SYMPOSIUM

AIT 3.0 – The next step

Monday, June 13, 2016
13.45h – 15.15h, Hall B1

Chair
Dr. Petra Ziegelmayer, Austria

Innovative clinical endpoints in AIT studies
Prof. Roy Gerth van Wijk, Netherlands

Accelerated, flexible, modern – new evidence for pollen allergoids
Dr. Adam Chaker, Germany

Optimizing the dose in mite AIT
Prof. Marek Jutel, Poland
Sunday, 12 June 2016

Product Theatre (PT) 10:00 – 10:30

FAES FARMA Pro & Con Arena

Chairs: Martin Church, United Kingdom
        Piotr Kuna, Poland
The Management of Uncontrolled Eosinophilic Asthma in the Era of Targeted Medicine

Chaired by Giorgio Walter Canonica, MD

Messe Wien Exhibition & Congress Center
Monday, 13 June 2016 • 17:30 – 19:00 • Room Lehar 2
Light refreshments will be served

Current Perspectives on Unmet Need and Heterogeneity of Uncontrolled Asthma
Pascal Chanez, MD
Marseille, France

The Biology and Role of Eosinophils in Uncontrolled Asthma
Thomas B. Casale, MD
Tampa, FL, USA

Emerging and Distinct Therapeutic Strategies for Eosinophilic Asthma
Giorgio Walter Canonica, MD
Genoa, Italy

This educational event has been funded and organised by AstraZeneca
Exhibition Floorplan

Exhibition opening hours:
Sunday, 12 June 2016    09:00 – 17:30
Monday, 13 June 2016    09:00 – 17:30
Tuesday, 14 June 2016    09:00 – 17:30
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### Societies
- Algerian Society of Allergology and Clinical Immunology   | N.04  |
- American Academy of Allergy, Asthma & Immunology (AAAAI) | A.27  |
- Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI) | N.16  |
- Austrian Society for Allergology and Immunology            | N.01  |
- Azerbaijan Society for Allergy, Immunology and Immunorehabilitation | N.12  |
- Belgian Association of Continuing Education in Allergology | N.18  |
- BSACI (British Society of Allergy and Clinical Immunology) | N.03  |
- CIS Society of Allergology and Immunology                  | N.06  |
- Czech Society of Allergology and Clinical Immunology       | N.13  |
- EAACI Patient Organisations Committee                      | N.10  |
- Georgian Association of Allergology and Clinical Immunology (GAACI) | N.05  |
- Global Allergy and Asthma Patient Platform (GAAPP)         | A.29  |
- Italian Association of Hospital and Territorial Allergists and Immunologists | N.07  |
- Italian Society of Allergy, Asthma and Clinical Immunology (SIAACI) | N.15  |
- Kazakhstan Association of Allergology and Clinical Immunology | N.11  |
- Polish Society of Allergology                              | N.02  |
- Romanian Society of Allergy and Clinical Immunology (RSACI) | N.14  |
- SIAP (The Italian Society of Pediatric Allergy and Immunology) | N.17  |
- Turkish National Society of Allergy and Clinical Immunology | N.09  |
- Ukrainian Society for Immunology, Allergology and Immunorehabilitation (UTIA) | N.08  |
- World Allergy Organization                                 | A.28  |
Abionic SA
EPFL Innovation Park, Bâtiment B
CH-1015, Lausanne
Switzerland
Contact: Dr Nicolas Durand
Telephone: +41 21 69 38 250
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, a Circassia company
Råsundavägen 18, 8tr
16967, Solna
Sweden
Contact: Isabell Berglund
Telephone: +46 86 29 07 80
Email: isabell.berglund@aerocrine.com
www.aerocrine.com

Circassia is a global specialty biopharmaceutical company focused on allergy and respiratory disease solutions for healthcare professionals and patients. Aerocrine, a wholly owned Circassia Group company, focuses on the development and commercialization of medical diagnostic products for use in the diagnosis and management of people with asthma, including the NIOX VERO® monitor for the measurement of fractional exhaled nitric oxide (FeNO) as a biomarker for monitoring airway inflammation.

Aimmune Therapeutics
8000 Marina Boulevard Suite 300
94005, Brisbane, California
United States
Contact: Kristin Bennett
Telephone: +1 65 03 76 64 90
Email: kubern@aimmune.com / kassayag@aimmune.com
www.aimmune.com

Aimmune Therapeutics, Inc., is a biopharmaceutical company dedicated to improving and protecting the lives of the growing number of people with food allergies, who must practice constant vigilance to avoid the risk of potentially life-threatening anaphylaxis. Based on its characterized oral desensitization immunotherapy (CODIT™) system, Aimmune is developing treatments designed to provide patients with clinically meaningful protection from their allergens so that they can safely and reliably tolerate accidental exposures. The company is currently conducting an international Phase 3 trial of its lead CODIT product candidate, AR101 for the treatment of peanut allergy.

ALK
Bøge allé 6-8
2970, Hørsholm
Denmark
Contact: Hanne Pedersen
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 sublingual tablets, subcutaneous injections and sublingual droplets. ALK also provides emergency allergy treatment for food- and untreated venom allergy. ALK has approx. 1900 employees with subsidiaries, production facilities and distributors worldwide.

Allergopharma GmbH & Co. KG
Hermann-Körner-Straße 52
21465, Reinbek
Germany
Contact: Lene-Dore Storm
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 we 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, standardized products for the specific immunotherapy of pollen and mite allergies. Furthermore, Allergopharma has a broad range of skin prick test and provocation test solutions for a precise diagnosis of IgE-mediated allergic conditions. Products of Allergopharma are available in more than 20 markets worldwide.
Subcutaneous AIT

Allergopharma – the specialist in diagnosis and therapy of allergic diseases

Visit us at www.allergopharma.com
Allergy Therapeutics plc.
Dominion Way
Worthing, West Sussex, BN14 8SA
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 466 employees. The core business has profitable sales of £43.2m supporting the development of next generation, ultra-short course disease modifying allergy vaccines. Established in 1934, Allergy Therapeutics was listed on the London Stock Exchange’s AIM in November 2004 (AGYL). Allergy Therapeutics has a long-term commitment to research and in particular development of innovative therapies for both the treatment and prevention of allergy-related conditions.

American Academy of Allergy, Asthma & Immunology (AAAAI)
555 East Wells Street, Suite 1100
53202, Milwaukee, WI
United States
Contact: Bert Silvensky
Telephone: +1 41 42 72 60 71
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.

AstraZeneca
2 Kingdom Street
London, W2 6BD
United Kingdom
Telephone: +44 20 76 04 80 00
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, autoimmune, oncology, infection and neuroscience diseases. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide.

Bausch + Lomb GmbH
Brunsbütteler Damm 165 - 173
13581, Berlin
Germany
Telephone: +49 30 33 09 30
Email: kontakt@bausch.com
www.bausch.com

Bausch + Lomb is a company of Valeant Pharmaceuticals International, Inc. Valeant is a multinational specialty pharmaceutical company that develops and markets prescription and non-prescription pharmaceutical products that make a meaningful difference in patients’ lives. Headquartered in Laval, Quebec, Valeant has approximately 17,000 employees worldwide.

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 (R&D, 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 new plant located in Tuscany (Italy) is ready to supply Sublingual Immunotherapy (SLIT), Subcutaneous Immunotherapy (SCIT) and Advanced Immunotherapies in Europe and to the international markets.
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Email: carolin.rudnicki@springer.com  
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BioMed Central is an online STM publisher of more than 270 peer-reviewed, open access journals. Our portfolio of journals spans all areas of biology, biomedicine and medicine, with many journals publishing content related to allergology, immunology and pulmonary medicine. Examples of such journals include Clinical and Translational Allergy (one of the official journals of EAACI), Allergy, Asthma & Clinical Immunology (AACI), World Allergy Organization Journal, Respiratory Research, BMC Pulmonary Medicine, and BMC Immunology. All original research articles published by BioMed Central are made freely accessible online immediately upon publication. BioMed Central is part of Springer Nature.

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55216, Ingelheim  
Germany  
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[www.boehringer-ingelheim.com](http://www.boehringer-ingelheim.com)

Boehringer Ingelheim is one of the world’s 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, BI operates globally through 145 affiliates and a total of some 47,500 employees. The focus of the family-owned company, founded in 1885, is on researching, developing, manufacturing and marketing new medications of high therapeutic value for human and veterinary medicine. BI has over 90 years of heritage in respiratory disease. Since 1921 we have emerged as a leader in this disease area, having launched several treatments in a range of respiratory conditions in areas of high unmet patient need including asthma, chronic obstructive pulmonary disease (COPD) and idiopathic pulmonary fibrosis (IPF).

### CSL Behring

P.O. Box 1230  
35002, Marburg  
Germany  
Contact: Hanno Waldhauser  
Telephone: +49 64 21 39 45 13  
Email: hanno.waldhauser@cslbehring.com  
[www.csibehring.com](http://www.csibehring.com)

A century ago, CSL made a promise to save lives and protect the health of people stricken with a range of serious and chronic medical conditions. Today that same promise has never been stronger. With operations in more than 30 nations and over 14,000 employees worldwide, we develop and deliver biotherapies to prevent and treat people with life-threatening medical conditions. Our broad-range of therapies include those to treat disorders as haemophilia and primary immune deficiencies, and vaccines to prevent influenza. We collaborate with patient and biomedical communities to improve access to therapies, advance scientific knowledge, and support future medical research.

### Boston Scientific

2, rue René Caudron – Building. H  
78960, Voisins le Bretonneux  
France  
Contact: Lourdes Aznar  
Telephone: +33 1 3 93 09 700  
Email: ReceptionFrance@bsci.com  
[www.bostonscientific.eu](http://www.bostonscientific.eu)

Boston Scientific transforms lives through innovative medical solutions that improve the health of patients around the world. As a global medical technology leader for more than 35 years, we advance science for life by providing a broad range of high performance solutions that address unmet patient needs and reduce the cost of healthcare. For more information, visit [www.bostonscientific.eu](http://www.bostonscientific.eu) and connect on Twitter (@BSC_EU_Heart) and Facebook.
DBV Technologies is a clinical-stage biopharmaceutical company focused on changing the field of immunotherapy. We are committed to finding a safe, patient-friendly and effective therapy for food allergic patients, for whom there are no currently approved treatments. DBV is the creator of an innovative investigational patch technology platform. This novel approach is called epicutaneous immunotherapy (EPIT). DBV is focused on becoming a leader in the development and commercialization of food allergy treatments. Our development program includes peanut and milk allergy, as well as broader applications in the field of food allergies, including eosinophilic esophagitis. Come visit us at Booth A.23.

DST GmbH is an innovative, science-driven company located in Schwerin, Germany. We develop, manufacture and market in-vitro diagnostics for the diagnosis and monitoring of allergy. DST’s innovative point-of-care test allows to screen semi-quantitatively for 20 airborne or food allergens and it covers 90% of the relevant European allergens. The test can be performed within 30 minutes and can be read out by eye. In addition, we sell more than 600 different standardized and purified allergens for cellular and IVD testing as well as ELISA and Line immunoblot assays (LIAs) for various panels and regions.

LETI Symposium

FACING ALLERGY CHALLENGES WITH SUBCUTANEOUS IMMUNOTHERAPY

Chairman: Oliver Pfaar, Germany

Date: Monday, 13 June
Time: 17:30h
Room: Lehar 1

- Subcutaneous immunotherapy for atopic dermatitis: safety and efficacy with depigmented-polymerized extracts
  Nataliija Novak, Germany

- Polysensitization: still a challenge in the treatments?
  Victoria Cardona, Spain

- Treatment of the respiratory allergy: the patient’s perspective
  Otto Spranger, Austria
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Avenida Gregorio Peces Barba, 2  
28918, Leganes, Madrid  
Spain  
Contact: Eva Perea  
Telephone: +34 91 49 66 013  
Email: r.fuentes@diater.com  
www.diater.com

diater is a pharmaceutical laboratory specialized in allergies committed to provide with a full range of diagnostic and immunotherapy products to specialized physicians in order to facilitate their practice and the social responsibility for improving the patient’s quality of life diater is focused in the field of the drug allergy the research and development projects have resulted in a range of tests for the diagnosis of hypersensitivity to beta-lactams

**EUROIMMUN AG**  
Seekamp 31  
23560, Luebeck  
Germany  
Contact: Dr Astrid Starke  
Telephone: +49 45 15 85 50  
Email: info@euroimmun.de  
www.euroimmun.de

EUROIMMUN is an international provider of medical laboratory products with a growing focus on allergy diagnostics. The company’s EUROLINE system encompasses more than 400 different allergens and allergen components and provides reliable screening assays for the efficient determination of specific IgE antibodies. The EUROLINE system comprises a comprehensive spectrum of indication-oriented and country-specific profiles, and includes component-resolved profiles for in-depth characterisation of allergy triggers. Specialised instruments and software provide efficient automation of analyses. EUROIMMUN’s allergy range complements its products for autoimmune diagnostics, infection diagnostics and molecular diagnostics.

**Dr. Fooke-Achterrath Laboratorien GmbH**  
Habichtweg 16  
41468, Neuss  
Germany  
Contact: Dr Margrit Fooke-Achterrath  
Telephone: +49 21 31 29 840  
Email: information@fooke-labs.de  
www.fooke-labs.de

We at Dr. Fooke Laboratories with years of experience in immunoassay development and production aim to enhance in-vitro diagnostics by providing high quality allergy and autoimmune assay systems. Through close co-operation with the end user and with scientific partners 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.

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Royal Victoria House, 51-55 The Pantiles  
Tunbridge Wells, TN2 5TE  
United Kingdom  
Contact: Zoe Elliott  
Telephone: +44 18 92 52 67 76  
Email: zoe.elliott@epghealthmedia.com  
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epgonline.org provides healthcare professionals worldwide with free access to disease and medicine information including over 110,000 pages of clinical content, carefully curated from trustworthy sources and conveniently organised by disease, medical specialty and information type. epgonline.org is a convenient and comprehensive web service designed to connect busy healthcare professionals with the best possible information on diseases and treatment approaches. Knowledge Centres dedicated to helping understanding of the current best practice approaches to diagnosis and treatment of Chronic Spontaneous Urticaria (CSU) and Psoriasis are available free on our website. epgonline.org is owned and operated by UK-based EPG Health Media (Europe) Ltd.

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Avenida Autonomía, 10  
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Spain  
Contact: Sandra Miguel  
Telephone: +35 12 14 75 83 93  
Email: sandra.miguel@labvitoria.pt  
www.bilastine.com

FAES FARMA is a leading Spanish company which researches, produces and commercialization of pharmaceutical products and raw materials. It exports for over 60 countries. Maximum pharmacological quality in its products, is a core objective. FAES FARMA has the head office and R&D centre in Bilbao, Lab Vitoria in Lisbon, production plants in both cities, and INGASO FARM. FAES FARMA has another 2 subsidiaries and 3 sales offices abroad, presente in 45 countries with over 800 employees. Bilastine, is the lastest novelty from FAES FARMA investigation. A new 2nd generation, non-sedating antihistamine already presente in more than 90 countries.
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Contact: Prof. Dr. Jens Hohlfeld
Telephone: +49 51 17 2 60 90
Email: jens.hohlfeld@item.fraunhofer.de
www.item.fraunhofer.de

Fraunhofer ITEM is a highly specialized research institute that offers pre-clinical and clinical contract research in the field of respiratory diseases. Clinical early phase and proof-of-concept studies are performed with a variety of challenge models such as the Fraunhofer Allergen Challenge Chambers and rhinovirus challenges. Clinical trials (phase I-IV) for asthma, allergic rhinitis and COPD are conducted in our novel Clinical Research Center Hannover on 6000 m² with state-of-the-art clinical endpoints, innovative imaging and immunological read-out parameters.

**Fresenius Medical Care Deutschland GmbH**
Else-Kroener-Str. 1
61352, Bad Homburg
Germany
Telephone: +49 61 72 60 90
Email: Infocongresses@fmc-ag.com
www.freseniusmedicalcare.com

Therapeutic Apheresis, a division of Fresenius Medical Care, is a therapy for removing pathogenic substances from blood using filters and adsorbers. This can lead to a medical improvement when other treatment options have reached their limit. In contrast to conventional therapies, therapeutic apheresis focuses on “washing” harmful components out, instead of supplying substances. The healthy blood or plasma is returned back. With a portfolio of different adsorbers and long standing expertise in extracorporeal procedures, Fresenius Medical Care delivers a combination of quality and flexible treatment alternatives, designed to treat a wide range of diseases and increase the patient’s quality of life.

**Hitachi Chemical Diagnostics Inc.**
Whitebrook Park, Lower Cookham Road
Maidenhead, SL6 8YA
United Kingdom
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 state of the art instrumentation.

**Global Allergy and Asthma Patient Platform (GAAPP)**
Altgasse B-10
1130, Vienna
Austria
Contact: Otto Spranger / Antje-H. Fink-Wagner
Telephone: +43 67 66 26 40 01
Email: info@ga2p2.org
www.ga2p2.org

GAAPP-The Global Allergy and Asthma Patient Platform is an association of organizations from all continents with currently 33 member organizations supporting patients by protecting their rights and insisting on the duties of governments, health-care professional organizations, and the general public. We assist the founding of patient organizations in emerging countries. We also work for patients with Urticaria. Please visit us at booth A29 and www.ga2p2.org.

**HAL Allergy**
J. H. Oortweg 15-17
2333 CH, Leiden
The Netherlands
Contact: Monique Lutgens / Corporate Communications
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.

**Exhibitor Editorials**

**Speakers:**
What can we learn from birth-cohorts? The GINI study from birth to 15 years.
Andrea von Berg | ... Allergy & Diagnosing Cow’s Milk Protein Allergy – Towards an Earlier Accurate Diagnosis
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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 state of the art instrumentation.
Hycor Biomedical
7272 Chapman Ave
92841, Garden Grove, CA
United States
Contact: Richard Hockins
Telephone: +1 71 49 33 30 00
Email: rhockins@hycorbiomedical.com
www.hycorbiomedical.com

Founded in 1981, Hycor Biomedical manufactures high quality diagnostic instrumentation and in vitro diagnostic kits for allergy and autoimmune testing. The HYTEC 288 Plus, Automated Immunoassay System yields rapid, accurate results and represents an automated, cost-effective platform for clinical laboratories, hospitals and physicians’ office testing. It offers a broad menu of allergy and autoimmune testing optimized on a single platform. Hycor Biomedical is advancing new products, technologies and medical education materials designed to improve patient care and advance healthcare globally.

Indoor Biotechnologies Ltd
Cardiff Medicentre
Cardiff, CF14 4UJ
United Kingdom
Contact: Michael Paige
Telephone: +44 29 20 68 21 15
Email: info@indoorbiotech.co.uk
www.inbio.com

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 test for dustmite allergen detection. We provide allergen, endotoxin and mould antigen testing at our laboratories at Cardiff, UK, Charlottesville, Virginia and Bangalore, India. 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.

Satellite Symposium

Preventing Allergy & Diagnosing Cow’s Milk Protein Allergy – Towards an Earlier Accurate Diagnosis

Monday 13th June 2016
17:30 – 19:00 | Room Strauss

Chairperson:
Sibylle Koletzko | Germany

Speakers:
What can we learn from birth-cohorts? The GINI study from birth to 15 years.
Andrea von Berg | Germany

Diagnosing Cow’s Milk Protein Allergy, how big is the gap Between Medical Best-practice and Reality?
Sibylle Koletzko | Germany

The CoMiSS as a Predictor for the Diagnosis of Cow’s Milk Protein Allergy
Yvan Vandenplas | Belgium
Exhibitor Editorials

**Inflamax Research Inc.**  
B.05  
1310 Fewster Drive  
L4W 1A4, Mississauga  
Canada  
Contact: Cynthia O’Brien  
Telephone: +1 50 72 08 50 12  
Email: cobrien@inflamaxresearch.com  
www.inflamaxresearch.com

Inflamax Research is a global, full-service Contract Research Organization that specializes in allergy, asthma, COPD and dermatology with extensive experience in the design and conduct of Phase I-IV trials. Inflamax offers validated, proprietary Natural Environmental Exposure Chamber models for Ragweed, Grass, Tree, House Dust Mite, Cat and NAR (Non-Allergic Rhinitis). Inflamax has a unique, patented mobile EEC (mEEC™) which can be located anywhere worldwide for use in multicenter trials. Inflamax has developed a consortium of specialized investigators and has access to specific patient populations. We also offer two 100 bed Phase I Units, in the US and Canada.

**Inmunotek S.L.**  
C.08  
Calle Punto Mobi, 5  
28805, Alcalá de Henares  
Spain  
Contact: Luis Miguel Ladino Beltrán  
Telephone: +34 91 29 08 942  
Email: lladino@inmunotek.com  
www.inmunotek.com

Inmunotek is a pharmaceutical company based in Madrid (Spain), which investigates, develops, manufactures and commercializes products in the Allergy and Immunology fields for the diagnosis and treatment of allergic respiratory diseases in human and veterinary patients. We are not only a well-established and consolidated company in Spain, but also a leader in growth of the allergy and immunology sector covering the national market. Recently, Inmunotek has experienced a significant international expansion with the presence of its products in different countries. Inmunotek dedicates a large percentage of its income to R&D. This investment is reflected on top laboratories and researchers.

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www.leti.com

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Its headquarters are in Barcelona and its industrial plant and allergy research laboratory are in Tres Cantos (Madrid). It has subsidiaries in Spain, Germany, Portugal and since 2013 it is present in the US through Juventio LLC. LETI operates with exclusive distributors in several countries in Europe, Latin America and Africa.

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B.12  
Viale Cassala 40  
20143, Milan  
Italy  
Contact: Paola Tempini / Michele Reverdini  
Telephone: +39 02 58 19 81  
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Elders? If allergic, treat them now with allergoid tablets. Cat allergy patients? For them, cat allergoid tablets. Come and visit us at our booth where clinical data and real-life experience will be shared. Lofarma is the unique company that provides the monomeric allergoids for allergy immunotherapy. Lofarma S.p.A., born 70 years ago, is committed to manufacture and to sell allergy immunotherapies, diagnostics, medical devices and branded pharmaceuticals. Lofarma operates worldwide with affiliates and distributors in Germany, Portugal, Albania, Hungary, Greece, Mexico, Russia and South Korea.

**Meda AB**  
B.01  
Pipers väg 2A  
170 73, Solna  
Sweden  
Contact: Anna Jalvinger  
Telephone: +46 86 30 19 00  
Email: anna.jalvinger@meda.se  
www.meda.se

Meda is a leading international specialty pharma company with a broad product portfolio reaching more than 80% of the global pharmaceutical market. At the end of 2015 Meda had 4,617 employees. The company’s main focus is sales and marketing. Meda has its own sales organizations in more than 60 countries. Meda’s products are sold in more than 150 countries. The three key therapy areas are Respiratory, Dermatology and Pain/Inflammation. Meda AB is the parent company and its head office is located in Solna, Sweden.
**Epicutaneous Immunotherapy (EPIT)**

Bringing Innovation to the Treatment of Food Allergies

**Come visit us at Booth A23**

DBV Technologies is focused on changing the field of immunotherapy. Our innovative investigational patch technology uses a novel approach called **EPIT**, designed to offer a convenient, non-invasive approach for the treatment of food allergies.

We are committed to finding a safe, effective, and patient-friendly therapy for food-allergic patients.

**SATELLITE SYMPOSIUM**

**SUNDAY, 12 JUNE 2016**

17:30–19:00

Messe Wien Exhibition & Congress Center

Vienna, Austria

Room: Strauss 1–2

**PROGRAM OVERVIEW**

Join us for an engaging program with a panel of experts discussing the scientific foundations, the growing body of clinical evidence, and the potential implications for EPIT for food-allergic patients, with a focus on peanut allergy.

This program is sponsored by DBV and includes data from DBV-sponsored clinical trials, some of which are ongoing.

The investigational products have not been approved for marketing within or outside the EU.
MENARINI GROUP  
1, Avenue de la Gare  
1611, Luxembourg  
Luxembourg  
Contact: Gaetano di Fuccia  
Telephone: +39 05 55 68 01  
Email: gdifuccia@menarini.it  
www.menarini.com

A Menarini is the largest Italian pharmaceutical group; it ranks as the world’s number 37 and Europe’s number 17. 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 is strengthening 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 M1 receptors.

Mobile Chamber Experts GmbH  
c/o ECARF, Robert Koch Platz 7  
10115, Berlin  
Germany  
Contact: Steen Thaarup  
Telephone: +45 40 77 86 95  
Email: info@mcxperts.com  
www.mcxperts.com

MCX (Mobile Chamber Experts GmbH) provides mobile allergen exposure chambers (AEC) for clinical trials of anti-allergic drugs. The mobile chamber, called the GA²LEN chamber, gives you better results, faster, in ph II-IV trials. The mobile chamber guarantees certainty of allergens in the air – at any time – all year around – and generates reliable data, as your allergic patients experience the same level of symptoms in the chamber, as when they were in natural surroundings. The mobility of the chamber enables you to conduct multi-center trials anywhere with the identical study conditions everywhere – having an easy access to patients.

Nestlé Health Science  
Avenue Nestlé 55  
1 800, Vevey  
Switzerland  
Contact: Mélanie Pittier / Anette Järvi  
Telephone: +41 21 92 47 942  
Email: CongressesNHS@nestle.com  
https://www.nestlehealthscience.com/

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 its partners in healthcare. Its portfolio of nutrition solutions, diagnostics, devices and drugs, targets a number of health areas, such as inborn errors of metabolism, pediatric and acute care, obesity care, healthy aging as well as gastrointestinal and brain health. In the field of food allergy, we aim to provide safe hypoallergenic products and tools for healthcare professionals to facilitate an earlier accurate diagnosis and use of appropriate products in line with existing guidelines.

Novartis Pharma AG  
Novartis Campus, Forum 1  
4001, 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 and cost-saving generic pharmaceuticals. Novartis is the only global company with leading positions in these areas. Novartis products are available in more than 180 countries around the world. For more information, please visit http://www.novartis.com.

Omega Diagnostics Ltd  
Omega House, Hillfoots Business Village  
Alva, Scotland, FK12 5DQ  
United Kingdom  
Contact: Jane McCormack  
Telephone: +44 12 59 76 30 30  
Email: odl@omegadiagnostics.co.uk  
www.omegadiagnostics.co.uk

Omega Diagnostics 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 standardization of allergen extracts. This supports its current product offering and is being applied in the development of new in vitro diagnostic products and systems.

Nutricia  
Schiphol Boulevard 105  
1118BG, Schipol  
The Netherlands  
Contact: Josien Hoppenbrouwers  
Telephone: +31 20 45 69 000  
Email: info@nutricia.com  
www.nutricia.com

Nutricia, Nutricia Early Life Nutrition and Nutricia Advanced Medical Nutrition are divisions of Danone. Nutricia Early Life Nutrition’s mission is to partner with parents and healthcare professionals, providing 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. Nutricia’s broad portfolio is designed to improve clinical outcomes and restore quality of life for patients of all ages. In paediatrics, Nutricia brings proven solutions for children and their carers in cow’s milk allergy, faltering growth, neuro-disability, and metabolic conditions.
Advancing Allergoids & Adjuvants

Join the Bencard Symposium
Adjuvants in Allergy: elevating efficacy
Sunday 12th June
17:30 in Hall B
Room B1
Exhibitor Editorials

**Pectolite GmbH**

Spiesheimer Weg 28-30
55286, Wörrstadt
Germany
Contact: Torsten Sehlinger
Telephone: +49 67 32 27 99 000
Email: info@pectolite.de
www.pectolite.de

Pectolite is helping clinicians to manage environmental health issues by providing devices to enhance clinical research in allergy, asthma and immunology.

**Red Maple Trials Inc.**

I 10-2935 Conroy Road
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) and our Phase I infrastructure. Our clinical trial facilities are capable of executing on Phase I through IV studies, and our experienced team provides leading services in order to fulfill the challenging demands of our biopharmaceutical partners.

**RefLab ApS/R-Biopharm AG**

Ole Maaløes Vej 3
2200, Kopenhagen N
Denmark
Contact: Erik Dahl Jensen
Telephone: +45 23 81 16 67
Email: edj@reflab.dk
www.reflab.dk

RefLab is a laboratory testing for chronic urticaria and allergies (inhalant, food, drug and environmental allergies) using the HR-Test system. RefLab also has a CRO covering biological standardization of allergens, animal and human models to study possible allergic side effects of newly developed drugs as well as the pharmacodynamics and pharmacokinetic profile of new anti-allergic drugs especially in the preclinical phase. R-Biopharm is a leading developer of test solutions for clinical diagnostics and food & feed analysis. In both sectors, the R-Biopharm test kits offer high precision and accuracy, key requirements where patient and consumer health is at risk.

**Sanofi Genzyme and Regeneron**

55 Corporate Drive
0B807, Bridgewater, New Jersey
United States
Contact: Laura Mast
Telephone: +1 90 82 02 89 29
Email: lauramast@sanofi.com
www.sanofi.com

Sanofi Genzyme, focuses on rare diseases, multiple sclerosis, oncology, and immunology. We help people with debilitating and complex conditions that are often difficult to diagnose and treat. Regeneron is a leading science-based biopharmaceutical company that discovers, invents, develops, manufactures, and commercializes medicines for the treatment of serious medical conditions.

**Shire International GmbH**

Zahlerweg 10
6301, Zug
Switzerland
Contact: Mandy Struthers
Telephone: +41 41 28 84 013
Email: mstruthers@shire.com
www.shire.com

Shire enables people with life-altering conditions to lead better lives. Our strategy is to focus on developing and marketing innovative specialty medicines to meet significant unmet patient needs. We focus on providing treatments in Rare Diseases, Neuroscience, Gastrointestinal and Internal Medicine and we are developing treatments for symptomatic conditions treated by specialist physicians in other targeted therapeutic areas, such as Ophthalmics.

**Siemens Healthcare GmbH**

Henkestrasse 127
91052, Erlangen
Germany
Telephone: +49 91 31 840
Email: contact.healthcare@siemens.com
www.healthcare.siemens.com

Siemens Healthcare is one of the world’s largest suppliers of technology to the healthcare industry and a leader in medical imaging, laboratory diagnostics and healthcare IT. All supported by a comprehensive portfolio of clinical consulting, training, and services available across the globe and tailored to customers’ needs. In fiscal 2014, Siemens Healthcare had around 43,000 employees worldwide and posted a revenue worth 11.7 billion euros, and profits of more than 2 billion euros. Further information is available on the Internet at http://www.healthcare.siemens.com/
Life beyond allergy

“What if my allergies no longer stopped me from living a normal life?”

Stallergenes Greer is a global biopharmaceutical company whose aim is to set the new standard of care in allergy immunotherapy.

We specialize in the development and commercialization of state-of-the-art immunotherapy products and support services for the diagnosis and etiologic treatment of respiratory allergies.

We are committed to bringing allergy immunotherapy to the highest quality standards with a comprehensive end-to-end approach for the sourcing, manufacturing and delivery of our products.

Stallergenes Greer is focused on enabling people with allergies to live normal lives.

www.stallergenesgreer.com
<table>
<thead>
<tr>
<th>SmartPractice A.01</th>
<th>Teva Pharmaceuticals Europe BV C.04</th>
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</thead>
<tbody>
<tr>
<td>3400 E. McDowell Rd 85008, Phoenix United States</td>
<td>Piet Heinkade 107 1019 GM, Amsterdam The Netherlands</td>
</tr>
<tr>
<td>Contact: Kristine Schreiber Telephone: +1 60 22 25 05 95 Email: <a href="mailto:sverzak@smarthealth.com">sverzak@smarthealth.com</a> <a href="http://www.smartpractice.com">www.smartpractice.com</a></td>
<td>Contact: Joachime Brok Telephone: +31 20 21 93 364 Email: <a href="mailto:Joachime.brok@tevaeu.com">Joachime.brok@tevaeu.com</a> <a href="http://www.tevapharm.com">www.tevapharm.com</a></td>
</tr>
<tr>
<td>SmartPractice. Because every patient deserves a diagnosis.</td>
<td>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 2015 amounted to $19.7 billion. <a href="http://www.tevapharm.com">www.tevapharm.com</a></td>
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<tr>
<th>Stallergenes Greer D.01</th>
<th>Thermo Fisher Scientific A.09</th>
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<tbody>
<tr>
<td>1 Curzon Street London, W1 J 5HD United Kingdom</td>
<td>Rapsgatan 7P, PO. Box 6460 751 37, Uppsala Sweden</td>
</tr>
<tr>
<td>Telephone: +3 1 15 55 92 000 Email: <a href="mailto:communications@stallergenesgreer.com">communications@stallergenesgreer.com</a> <a href="http://www.stallergenesgreer.com">www.stallergenesgreer.com</a></td>
<td>Telephone: +46 18 16 50 00 Email: <a href="mailto:info-ua.idd@thermofisher.com">info-ua.idd@thermofisher.com</a> <a href="http://thermoscientific.com/phadia">thermoscientific.com/phadia</a></td>
</tr>
<tr>
<td>Stallergenes Greer is a global biopharmaceutical company specializing in the diagnosis and treatment of respiratory allergies through the development and commercialization of allergy immunotherapy products and services. Our purpose is to enable people with allergies to live normal lives. With more than 1,400 employees worldwide, a presence in 22 countries, and manufacturing facilities in both Europe and the United States, Stallergenes Greer plc is the parent company of GREER Laboratories, Inc. (registered office in the U.S.) and Stallergenes S.A.S. (registered office in France). With complementary strengths, joint heritage and reputations, Stallergenes Greer is driving a continuing leadership in allergy immunotherapy.</td>
<td>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.</td>
</tr>
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<tr>
<th>Sysmex Europe GmbH B.08</th>
<th>Uriach B.06</th>
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<tbody>
<tr>
<td>Bornbarch 1 22848, Norderstedt Germany</td>
<td>Pol. Industrial Riera de Caldes, Av. Camí Reial 51-57 08184, Palau Solità i Plegamans (Barcelona) Spain</td>
</tr>
<tr>
<td>Contact: Andrea Schaal Telephone: +49 40 52 72 60 Email: <a href="mailto:info@sysmex-europe.com">info@sysmex-europe.com</a> <a href="http://www.sysmex-europe.com">www.sysmex-europe.com</a></td>
<td>Contact: Eva Gimeno Telephone: +34 90 24 71 51 1 Email: <a href="mailto:eva.gimeno@uriach.com">eva.gimeno@uriach.com</a> <a href="http://www.uriach.com/en">www.uriach.com/en</a></td>
</tr>
<tr>
<td>Sysmex Europe GmbH is a subsidiary of the Sysmex Corporation based in Japan. For over 40 years, we have set standards and driven innovation in haematology. We have also broken ground in coagulation and urinalysis, life science, bioscience, near patient testing and automation. We are now among Europe’s top laboratory diagnostics and healthcare companies, and the global leader for haematology diagnostics and service. As the regional headquarter for the EMEA region, Sysmex Europe is active in co-operation with affiliates and distributors across Europe, The Middle East and Africa.</td>
<td>Uriach is a Spanish private pharmaceutical company based in the Barcelona area. In the pharmaceutical business for over 175 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. Over 50 years of continuous devotion to R&amp;D and a team of highly qualified professionals have allowed us to commercialize 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.</td>
</tr>
</tbody>
</table>
URIACH SPONSORED SYMPOSIUM
AT THE EAACI CONGRESS 2016
VIENNA  ■ 14 JUNE ■ 10:30 – 12:00H ■ ROOM STRAUSS 3

A FOCUS ON WHAT MATTERS TO THE ALLERGIC PATIENT:
QUALITY OF LIFE AND SAFETY

CHAIRPERSONS

MARCUS MAURER, Germany
G. WALTER CANONICA, Italy

LECTURES AND SPEAKERS

Rupatadine anti-PAF effect as an added value in the treatment of allergic disorders.

ROSA MUÑOZ-CANO, Spain

Offering clinical safety and improving Quality of Life to meet patient’s needs.

CLAUS BACHERT, Belgium

A safe ally in the allergic patient’s everyday life.

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Oxford, OX4 2DQ
United Kingdom
Contact: Neil Burling
Telephone: +44 1865 476379
Email: customer@wiley.com
www.wiley.com

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555 East Wells Street, Suite 1100
53202, Milwaukee, WI
United States
Contact: Justin Dodge
Telephone: +1 414 276 1791
Email: jdodge@worldallergy.org
www.worldallergy.org

The World Allergy Organization’s mission is to be a global resource and advocate in the field of allergy, advancing excellence in clinical care through education, research, and training as a world-wide alliance of allergy and clinical immunology societies.

Wisepress Medical Bookshop
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United Kingdom
Contact: Nadia Ahmed
Telephone: +44 20 87151812
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The 16th EAACI-Allergopharma Research Award 2016 in the value of 10,000 €

The Award was initiated by Allergopharma in collaboration with the European Academy of Allergy and Clinical Immunology (EAACI) in 2000. It is intended that the award should recognize the scientific achievements of young scientists working in the field of allergy and encourage their further engagement in the field.

Allergopharma is one of the leading companies in diagnosis and therapy of allergic diseases.

The award will be presented at the EAACI Opening Ceremony

The Messe Wien, Hall A · Saturday, June 11th · 19:00-20:00
## Hotels in Vienna

### ★★★★☆ Rates* from EUR 54 to EUR 179

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<thead>
<tr>
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<td>Adlon</td>
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<td>Austria Classic Hotel Wien</td>
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<td>Austria Trend Hotel Messe Wien</td>
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<td>Hotel Kunsthof</td>
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### ★★★★☆ Rates* from EUR 134 to EUR 329

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<td>Courtyard by Marriott Wien Messe</td>
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<td>Der Wilhelmshof</td>
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<tr>
<td>Falkensteiner Hotel Wien Margareten</td>
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<td>InterCity Hotel Wien</td>
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<tr>
<td>Lindner Hotel Am Belvedere</td>
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<tr>
<td>Mercure Grand Hotel Biedermeier</td>
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<tr>
<td>Mercure Wien Westbahnhof</td>
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<tr>
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<td>Royal Hotel</td>
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### Uncategorised Hotels Rates* from EUR 160 to EUR 350

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<th>Hotel Name</th>
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<tr>
<td>Fleming’s Deluxe Wien City</td>
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<td>Renaissance Wien Hotel</td>
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<tr>
<td>The Ring Hotel</td>
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*Rates include breakfast, local VAT and city tax  
NoM: Not on Map