Sunday, 8 June 2008

**European Meeting of Allergy Nursing**

10.30-12.00

- Free communications in Spanish 122/123
- Free communications in English 131/132

12.00-13.30

- Closure of the Nursing Meeting 211/212

**Meet the Experts**

07.30-08.15

Pre-registration is required for the Meet the Expert sessions.

**Meet the Expert 1**

Environmental Factors in Allergic Diseases
Gennaro D’Amato, Italy

**Meet the Expert 2**

Allergy to Beta-Lactam Antibiotics
Miguel Blanca, Spain

**Meet the Expert 3**

Anaphylaxis during General Anesthesia
Michel Mertes, France

**Meet the Expert 4**

Allergy to Radiocontrast Media
Knut Brockow, Germany

**Meet the Expert 5**

Breaking News in Assessment of Occupational Asthma and Occupational Rhinitis
Gianna Moscato, Italy
Santiago Quirce, Spain

**Meet the Expert 6**

Heterogeneity of Chronic Rhinosinusitis
Claus Bachert, Belgium

**Meet the Expert 7**

Role of Nitric Oxide in Upper Airway Disease
Glenn Scadding, United Kingdom

**Meet the Expert 8**

Management of Non-Allergic Rhinitis
James Baraniuk, United States

**Meet the Expert 9**

Animal Models in Allergy
Peter Hellings, Belgium

**Meet the Expert 10**

Rhinitis and Otitis Media with Effusion: Is there a Connection?
Ruby Pawankar, Japan
Sunday, 8 June 2008

Clinical Plenary Symposium 1 08.30-10.00
Allergy, an Epidemic of the XXIst Century  Auditorium
Chairpersons:
Ignacio Ansotegui, Spain
Roy Gerth van Wijk, The Netherlands
When did it start?
Thomas Platts-Mills, United States
Where are we now?
Giovanni Viegi, Italy
How can we prevent?
Ulrich Wahn, Germany

Basic Plenary Symposium 1 08.30-10.00
Regulation of the Immune Response 211/212
Chairpersons:
S.G.O Johansson, Sweden
Sergio Romagnani, Italy
Central versus peripheral tolerance
Bruno Kyewski, Germany
Th1, Th2, Th17, Treg: why stop at four?
Cezmi Akdis, Switzerland
Priming and tolerisation of immune responses in vivo by DC
Ulrich von Andrian, United States

Coffee Break 10.00-10.30

Symposium 1 10.30-12.00
Prevention of Allergic Diseases (P) Auditorium
Chairpersons:
Patrick Holt, Australia
Antonella Muraro, Italy
Role of nutritional factors
Magnus Wickman, Sweden
Exposure to allergens - how much is too much?
Arne Høst, Denmark
Exposure to allergens - what is the right timing?
Gideon Lack, United Kingdom

Symposium 2 10.30-12.00
Natural Course of Asthma 211/212
Chairpersons:
Gunilla Hedlin, Sweden
Christian Virchow, Germany
Long-term follow up of childhood asthma: what lessons have we learned?
Malcolm Sears, Canada
Environment and asthma – can we modify disease in childhood?
Fernando Martinez, United States
Does childhood asthma lead to chronic obstructive pulmonary disease in adults?
Ronald Dahl, Denmark
Sunday, 8 June 2008

**Symposium 3**

10.30-12.00

**Novel Developments in Genetics of Allergic Diseases**

Chairpersons:
Juha Kere, Sweden
Carlos Lahoz, Spain

**Update on asthma genetics**
Stephen Holgate, United Kingdom

**Genetics of atopic dermatitis**
Stefan Weidinger, Germany

**New genes influencing specific immunoglobulin E response**
Luis Caraballo, Colombia

**Symposium 4**

10.30-12.00

**Allergy Issues at the 2008 Olympics**

Chairpersons:
Sergio Bonini, Italy
Franchek Drobnic, Spain

**The relevance of allergy in the competitive athlete: what to know?**
Stefano Del Giacco, Italy

**Beta 2 agonists: to be permitted or banned?**
Kai-Håkon Carlsen, Norway

**Indoor swimming and the allergic patient**
André Moreira, Portugal

**Symposium 5**

10.30-12.00

**Clinical Aspects of Antibiotic Hypersensitivity**

Chairpersons:
Mercè Corominas Sanchez, Spain
Paula Toche, Chile

**Epidemiology, burden and risk factors**
Philippe Bousquet, France

**Where are we now in beta-lactam allergy?**
Maria José Torres, Spain

**Allergy to non beta-lactam antibiotics**
Paolo Campi, Italy

**NIAID Symposium** The United States National Institute of Allergy and Infectious Diseases

10.30-12.00

**Mast Cells**

Chairpersons:
Matthew Fenton, United States
Gianni Marone, Italy

**Mast cells as a therapeutic target in allergy and inflammatory diseases**
Jean-Pierre Kinet, United States

**Regulation of mast cell functions by cysteinyl leukotrienes and their receptors**
Joshua Boyce, United States

**Anti-inflammatory and immunosuppressive functions of mast cells**
Stephen Galli, United States

**Company Sponsored Symposium – UCB**

10.30-12.00

**Treatment of “Today’s Allergies” from Acute Interventions to Chronic Management**

Chairperson:
Joaquim Mullol, Spain

**Crossing the allergen jungle: new allergens in allergy management**
Alessandro Focchi, Italy

**Anaphylaxis: acute interventions and long-term control**
Pascal Demoly, France

**Persistent Allergic Rhinitis (PER): persistent clinical challenge**
Joaquim Mullol, Spain

**Chronic Urticaria (CU): continuous management challenge**
Ted Popov, Bulgaria

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Workshop 1  10.30-12.00
Advances in Workplace-Related Asthma and the Impact on Health  116
Chairpersons:
Gianna Moscato, Italy
Ana Todo Bom, Portugal
Work-aggravated asthma
Susan Tarlo, Canada
Acute and near fatal occupational asthma
Santiago Quirce, Spain
Cleaning agents - impact as a cause of occupational asthma
Gabrielle Pauli, France

Practical Course 1  10.30-12.00
Pre-registration is required for the Practical Courses.
Skin Testing in Allergy  133/134
Speaker: Bettina Wedi, Germany
Junior: Luísa Geraldes, Portugal

Practical Course 2  10.30-12.00
Challenge Tests in Drug Allergy  119
Speaker: Antonino Romano, Italy
Junior: Anna Sala, Spain

Oral Abstract Session 1  10.30-12.00
Education  118
Introductory lecturer and chairperson: Daniel Vervloet, France
Chairperson: Jan de Monchy, The Netherlands
Introductory lecture: Innovative way and patient’s survey
1 Which items are important to evaluate control in allergic rhinitis and asthma? A web-based consensus process
Nogueira da Silva, L; Fonseca, J; Sousa, E; Cruz-Correia, R; Martins, S; Vaz, M; Bugalho de Almeida, A; Morais de Almeida, M
1Faculdade Medicina Universidade do Porto, Bioestatistica e Informática Médica, Porto, Portugal; 2Faculdade Medicina Universidade do Porto/Hospital de S. Joao, Bioestatistica Informatica Medica/Imunoalergologia, Porto, Portugal; 3Faculdade Medicina Universidade do Porto, Bioestatistica e Informática Médica / CINTESIS, Porto, Portugal; 4Faculdade Medicina Universidade do Porto, Bioestatistica e Informática Médica, Porto, Portugal; 5Associação Portuguesa de Asemáticos, Direcção, Porto, Portugal; 6Faculdade Medicina Lisboa, Clinica Universitaria de Pneumologia, Lisboa, Portugal; 7Sociedade Portuguesa de Alergia e Immunologia Clinica, Direcção, Lisboa, Portugal

2 Self injectable adrenaline devices - is training necessary?
Diwakar, L; Heslegrave, J; Noorani, S; Huissoon, A; Mamidipudi T, K
Heartlands Hospital, Immunology Department, Birmingham, United Kingdom

3 Knowledge and practice of general pediatricians about childhood asthma and its treatment
Yilmaz, O; Sogut, A; Alkan, S; Yuksel, H
1Celal Bayar University Medical Faculty, Pediatric Allergy and Pulmonology, Manisa, Turkey; 2Celal Bayar University Medical Faculty, Pediatrics, Manisa, Turkey

4 Anaphylaxis - data from patients perspective. A national survey of the German Allergy and Asthma Association (DAAB)
Schnadt, S
German Allergy and Asthma Association (DAAB), Dep.: Anaphylaxis, Food Allergy, Education, Moenchengladbach, Germany

5 UK NEQAS web-based interpretative scheme in immunology and allergy
Egner, W; White, P; Sargur, R; Bishop, D
1Northern General Hospital, UK NEQAS Immunology, Sheffield, United Kingdom; 2Northern General Hospital, UK NEQAS Immunology, Sheffield, United Kingdom; 3Northern General Hospital, Clinical Immunology and Allergy Department, Sheffield, United Kingdom; 4Waypoint Systems, UK NEQAS Immunology, Sheffield, United Kingdom

6 Allergy telephone clinics: an innovative way to deliver follow up service
Ashworth, F; Angier, E; Sargur, R; Shrimpton, A; Egner, W
Northern General Hospital, Clinical Immunology and Allergy Unit, Sheffield, United Kingdom
Oral Abstract Session 2  10.30-12.00

Technological Innovations in Immunotherapy 120
Introductory lecturer and chairperson: Marek Jutel, Poland
Chairperson: Oliver Pfarr, Germany
Introductory lecture: Mechanisms of immunotherapy: recent acquisitions

7 Evaluation of the immunomodulating potential of a toll-like-receptor agonist in vitro
Knöthe, S; Ebensen, T; Mättler, M; Krug, N; Guzman, C; Braun, A
1Fraunhofer ITEM, Immunology, Allergology and Immunotoxicology, Hannover, Germany; 2Helmholtz ZH, Vaccinology, Braunschweig, Germany

8 Abstract withdrawn

9 Antigen loaded exosomes induce a potent T-cell dependent humoral response and give rise to a Th1 type memory in vivo
Qazi, K; Domange Jordö, E; Karlsson, M; Gehrmann, U; Gabrielson, S
Karolinska Institute, Medicine, Stockholm, Sweden

10 T cell epitope-based peptide immunotherapy for peanut allergy
Prickett, S; O’Hehir, R; Rolland, J
1Monash University, Allergy and Immunology, Melbourne, Australia; 2Alfred Hospital, Allergy, Immunology and Respiratory Medicine, Melbourne, Australia

Oral Abstract Session 3  10.30-12.00

Mechanisms in the Development of Atopy (P) 121
Introductory lecturer and chairperson: Claudio Nicoletti, United Kingdom
Chairperson: Susanne Halken, Denmark
Introductory lecture: New advances in food allergy pathogenesis

13 Modulation of murine dendritic cell phenotype and function by dietary prebiotics
Krämer, A; Stahl, B; Schmitt, J; Samain, E; Boehm, G; Reske-Kunz, A; Sudowe, S
1Johannes Gutenberg-University, Dermatology - Clinical Research Group Allergology, Mainz, Germany; 2Numico Research, Friedrichsdorf, Germany; 3CERMAV - CNRS, Grenoble, France

14 Local class switch recombination and production of IgE in Eosinophilic Esophagitis
Vicario, M; Blanchard, C; Stringer, K; Abiona, P; Athens, A; Rothenberg, M
United States

15 Increased soluble interleukin-5 receptor alpha precedes the development of eczema in schoolage children: a population based birth cohort study
Semici-Lisufalic, A; Bachert, C; Gevaert, P; Simpson, A; Custovic, A
1University of Manchester, School of Translational Medicine, Manchester, United Kingdom; 2University of Ghent, Upper Airway Research Laboratory, Ghent, Belgium

16 Probiotics in Atopic Dermatitis in Infancy (PADI) Study: dietary supplementation at age 3-6 months with Lactobacillus paracasei or Bifidobacterium lactis does not alter the progression of allergic disease by age 3 in infants with eczema
Gore, C; Ken, G; Johnson, K; Morris, J; Tanock, G; Murray, C; Custovic, A; Woodcock, A
1University of Manchester, North West Lung Research Centre, Manchester, United Kingdom; 2University of Otago, Dept of Microbiology, Dunedin, New Zealand; 3University of Manchester, North West Lung Research Centre, Manchester, United Kingdom
**Sunday, 8 June 2008**

### Poster Discussion Session 1

**Progress in Hymenoptera Venom Allergy**

**Chairpersons:**
- Hans de Groot, The Netherlands
- Beatrice Bilò, Italy

#### Session 10.30-12.00

**170** Sublingual immunotherapy with honeybee venom reduces large local reactions: a randomised, double blind controlled study

Severino, M; Cortellini, G; Bonadonna, P; Francescato, E; Panzini, I; Macchia, D; Campi, P; Spadolini, F; Passalacqua, G; Canonica, G

1. Allergy Clinic, Nuovo Ospedale San Giovanni di Dio, Florence, Italy; 2. Internal Medicine and Rheumatology, Rimini Hospital, Rimini, Italy; 3. Allergy Unit, Verona General Hospital, Verona, Italy; 4. Entomon sas, Florence, Italy; 5. Research and Innovation Unit, Rimini Hospital, Rimini, Italy; 6. Anallergo, Florence, Italy; 7. Genoa University, Allergy & Respiratory Diseases, Dept of Internal Medicine, Genoa, Italy

**171** Usefulness of the basophil tests in monitoring the immune response to bee venom immunotherapy controlled by sting challenge

Hausmann, O; Schneider, M; Weber, I; Helbling, A; Müller, U; Pichler, W

1. Inselspital, University of Bern, Dep. of Rheumatology, Div. Allergology, Bern, Switzerland; 2. Buehlmann Laboratories AG, Allschwil, Switzerland; 3. Inselspital, University of Bern, Dep. of Rheumatology, Div. of Allergology, Bern, Switzerland; 4. Dep. of Clinical Chemistry and Haematology, Verona, Italy; 5. Verona General Hospital, Allergy Unit, Verona, Italy; 6. University of Genoa, Allergy and Respiratory Diseases DIMI, Genoa, Italy

**172** Cross reactivity between European hornet and yellow jacket venoms

Severino, M; Caruso, B; Bonadonna, P; Macchia, D; Campi, P; Dama, A; Schiappoli, M; Senna, G; Passalacqua, G

1. Azienda Sanitaria di Firenze, Allergy and Clinical Immunology Unit, Florence, Italy; 2. Verona General Hospital, Allergy Unit, Verona, Italy; 3. University of Genoa, Allergy and Respiratory Diseases DIMI, Genoa, Italy

**173** Screening for carbohydrate determinants as a cause for cross-reactivity in double sensitive patients

Eržen, R; Krošćec, P; Silari, M; Mušić, E; Košnjevic, M

1. Hospital Golnik, Dept for Pulmonary Diseases and Allergy, Golnik, Slovenia; 2. Hospital Golnik, Immunology Lab, Golnik, Slovenia

**174** T regulatory cells and immunotherapy in patients with hymenoptera venom allergy

Kucera, P; Cvačková, M; Hrolovcová, M; Vavrova, H; Ort, J

1. 3rd Medical Faculty, Charles University, Dept Immunology, Prague, Czech Republic; 2. University Hospital KV, Dept Allergy Immunology, Prague, Czech Republic

**175** Effect of complement on basophil histamine release (HR) in patients with mastocytosis: evidence for an altered signal transmission

Rueff, F; Mehrlé, P; Przybilla, B

1. Germany

**176** Hymenoptera venom allergy: identification of a new venom allergen responsible of *Xylocopa violacea* anaphylaxis

Pravettoni, V; Mauro, M; Bertolotti, F; Primavesi, L; Piantanida, M; Labardi, D; Spadolini, I

1. Foundation Ospedale Maggiore Policlinico, Mangiagalli e Regina Elena, IRCCS, Unit of Clinical Allergy and Immunology, Milan, Italy; 2. S. Anna Hospital, Allergy Unit, Como, Italy; 3. Anallergo Laboratories, Florence, Italy

**177** Rush hymenoptera venom immunotherapy: a means for reduce sICAM-1 levels and allergic inflammation in hymenoptera allergic patients?

Ricciardi, L; Patella, V; Saitta, S; Marotta, G; Saija, A; Gangemi, S

1. Allergy and Clinical Immunology Division University of Messina, Human Pathology, Messina, Italy; 2. U.O of Allergy and Clinical Immunology, Department of Medicine ASL-SA3, Salerno, Italy; 3. Università di Messina, Dipartimento Farmacobiologico, Messina, Italy
178 Hymenoptera venom immunotherapy and autoimmune diseases  
Koschel, D; Hoeffken, G  
Fachkrankenhaus Coswig, Zentrum für Pneumologie, Beatmungsmedizin, Thorax- und Gefäßchirurgie, Pneumologie, Coswig, Germany

179 Anxiety and depressive disorders in hymenoptera venom allergic patients compared with controls  
Gawlik, R; Badura-Brzoza, K; Kasperska-Zajac, A; Brzoza, Z; Matysiewicz, J; Hesse, R; Rogala, B  
Poland

180 Basal serum tryptase and age as crucial risk factors for severe hymenoptera sting reactions  
Guenova, E; Herberts, T; Hoetzenecker, W; Genova, S; Burov, G; Mitev, V; Biedermann, T  
1Eberhard Karls University, Department of Dermatology, Tübingen, Germany; 2Department of Medical Biometry, Eberhard Karls University, Tübingen, Germany; 3Medical University, Clinical Center of Allergology, Sofia, Bulgaria; 4Sweden Diagnostics, Medical Research, Freiburg, Germany; 5Medical University, Department of Biochemistry, Sofia, Bulgaria

181 Basophil activation test is more sensitive than intradermal testing in patients with convincing histories of systemic reactions to a Hymenoptera sting, but negative other diagnostic tests  
Korosec, P; Silar, M; Erzen, R; Bajrovic, N; Kosnic, M  
University Clinic of Respiratory and Allergic Diseases, University Clinic of Respiratory and Allergic Dise, Golnik, Slovenia

182 Basophil reactivity (CD63 expression) in patients with Hymenoptera venom allergy  
Hulikova, K; Kucera, P; Cvackova, M; Wolfova, E  
1Third Faculty of Medicine, Charles University, Immunology Department, Prague, Czech Republic; 2University Hospital KV, Department of Allergy and Clinical Immunology, Prague, Czech Republic

183 Correlation between basophil specific sensitivity and efficacy of venom immunotherapy  
Peterneji, A; Silar, M; Erzen, R; Kosnik, M; Korosec, P  
1University Clinic of Respiratory and Allergic Diseases, Golnik, Lab. for Clinical Immunology and Molecular Genetic, Golnik, Slovenia; 2University Clinic of Respiratory and Allergic Diseases, Golnik, University Clinic of Respiratory and Allergic Dise, Golnik, Slovenia

184 Treatment of mosquito-bite allergy with rupatadine  
Karpinnen, A; Brummer-Korvenkontio, H; Reunala, T  
1Tampere University Hospital, Department of Dermatology, Tampere, Finland; 2National Public Health Institute, Helsinki, Finland; 3Tampere University and University Hospital, Department of Dermatology, Tampere, Finland

185 Allergy to bedbug bites  
Reunala, T; Makinen-Kiljunen, S; Laine, M; Hulden, L  
1Tampere University and University Hospital, Department of Dermatology, Tampere, Finland; 2Hospital for Skin and Allergic Diseases, Tampere, Finland; 3University of Helsinki, The Finnish Museum of Natural History, Finland

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**Poster Discussion Session 2**  
10.30-12.00

**Treating Allergic Rhinitis**  
129/130

**Chairpersons:**  
Ignacio Jauregui Presa, Spain  
Yeong Ho Rha, Republic of Korea

186 Changes in the allergic rhinitis severity according to the treatment management: a cohort of a Spanish study  
Bartra, J; de Castellar, R; del Cuvillo, A; Colàs, C; Antépara, I; Herdman, M; Ferrer, M; Mullol, J; Torrens, A; Molà, O; Izquierdo, P; Valero, A  
1Hospital Clinic, Allergy Unit. Pneumology Department, Barcelona, Spain; 23D-Health Research, Innovation and Development, Barcelona, Spain; 3Clínica Dr Lobatón, Respiratory Service, Cadiz, Spain; 4Hospital Clinico “Lozano Blesa”, Servicio de Alergia, Zaragoza, Spain; 5Hospital de Basurto, Servicio de Alergia, Bilbao, Spain; 6Institut Municipal d’Investigació Médica, Health Services Research Unit, Barcelona, Spain; 7Institut d’Investigaciones Biomèdiques August Pi i Sunyer (IDIBAPS), Unitat de Rinologia i Clinica de l’Olfacte, Barcelona, Spain; 8I Uriach y Compañía S.A., Clinical Development & Medical Advice, Palau solita i Plegamans, Spain

187 A good clinical outcome following therapy with a polyclonal mechanical bacterial lysate (PMBL) correlates with the capacity of inducing a specific locoregional immunoresponse in patients with recurrent upper respiratory tract infections  
Braido, F; Villa, E; Schenone, G; Canonica, G; Melioli, G  
1University of Genoa, Department of Internal Medicine, Genova, Italy; 2Azienda Ospedaliera Universitaria San Martino, ENT Department, Genova, Italy; 3Gaslini Pediatric Institute, Gaslini Pediatric Institute, Genova, Italy

188 Can oral lactobacillus paracasei improve grass pollen allergic rhinitis? A randomised, double-blind, placebo-controlled cross-over study  
Wassenberg, J; Nutten, S; Audran, R; Barbier, N; Chenevard, J; Aubert, V; Moulin, J; Corthésy-Theulaz, I; Mercenier, A; Sperti, F  
1CHUV, Immunology and Allergy Department, Lausanne, Switzerland; 2Nestlé Research Center, Lausanne, Switzerland
189 Lack of significant effect of bilastine on ventricular repolarisation. A thorough QT/QTc study
Sologuren, A1; Valiente, R1; Allisson, M1; Ty, B1
1FAES FARMA, S.A., Clinical Research Department, Bilbao, Spain; 2MDS Pharma Services, Clinical Research Center, Tempe, AZ, United States; 3MDS Pharma Services, Telemedicine, Centralized Cardiac Services, Baillet-en-France, France

190 A combination of desloratadine 2.5 mg and pseudoephedrine 120 mg BD is more effective than the individual components for the treatment of allergic rhinitis: evidence from randomised, double-blind clinical trials
Grubbe, R
Allergy and Asthma Center, Oxford, Alabama, United States

191 Efficacy and safety of levocetirizine in the treatment of intermittent allergic rhinitis in children
Zielnik-Jurkiewicz, B1; Jurkiewicz, D2
1Children's Hospital, Otolaryngology Department, Warsaw, Poland; 2Military Institute of the health Services, Otolaryngology Department, Warsaw, Poland

192 Influence of drug convenience on the satisfaction with ebastine FDT in allergic rhinitis patients
Roger, A1; Fortea, P1; Pliasas, M1; Mora, S1; Ibarz, R1
1Hospital Germans Trias i Pujol, Badalona, Spain; 2Almirall, S.A., Global Medical Affairs, Barcelona, Spain; 3Almirall, S.A., Medical Department, Barcelona, Spain; 4Adelphi Targis, Barcelona, Spain

193 Glucocorticoid treatment reduces secreted mucin expression, goblet cell number, and rhinorrhea in nasal polyp patients
Martinez-Anton, A1; de Bolos, C1; Garrido, M1; Alobiid, I1; Benitez, P1; Roca-Ferrer, J1; Picado, C1; Mullol, J1
1CIBERES. IDIBAPS. Hospital Clinic, Immuoalgaeria Respiratoria Clinica i Experimenta, Barcelona, Spain; 2Institut Municipal dInvestigacions Medicàs (IMIM), Hospital del Mar, Biologia Cellular i Molecular, Barcelona, Spain; 3Hospital Clinic, Servei dOtorinolaringologia, Barcelona, Spain; 4IDIBAPS. Hospital Clinic, Immuoalgaeria Respiratoria Clinica i Experimenta, Barcelona, Spain; 5Universitat de Barcelona. Hospital Clinic, Departament de Medicina. Servei de Pneumologia, Barcelona, Spain

194 Long-term ocular safety of mometasone furoate nasal spray during treatment of perennial allergic rhinitis
Bernstein, D
University of Cincinnati, Department of Internal Medicine, Cincinnati, United States

195 Mometasone furoate nasal spray improves congestion in subjects with seasonal allergic rhinitis as measured objectively with acoustic rhinometry
Salapatek, A1; Patel, P1; Gopalak, G3; Varghese, S1
1Allied Research International - Cetero Research, Mississauga, Canada; 2Schering-Plough Corp., Kenilworth, United States

196 Fluticasone furoate nasal spray has a favourable safety and tolerability profile across three large clinical trials in children aged 6—11 years
Meltzer, E1; Tripathy, R1; Maspero, J1; Wu, W1; Philpolt, E1
1Allergy and Asthma Medical Group and Research Center, Consultant, San Diego, United States; 2Phelps County Regional Medical Center, Allergy and Immunology, Rolla, United States; 3Fundacion CIDEA, Allergy and Respiratory Research Unit, Buenos Aires, Argentina; 4GlaxoSmithKline, Statistics and Programming, Research Triangle Park, United States; 5GlaxoSmithKline, Clinical Development, Research Triangle Park, United States

197 The effects of fluticasone vs beclometasone in the control of allergic rhinitis symptoms
Poursadegh, M; Bakhshae, M; Khazaeni, K; Poursadegh, F; Dadgar, M
Islamic Republic of Iran

198 A pilot environmental exposure chamber (EEC) study indicates rapid and prolonged relief of nasal symptoms after a single dose (110 mcg) of fluticasone furoate nasal spray (FFNS) in patients with seasonal allergic rhinitis (SAR)
Salapatek, A1; Bates, M; Patel, P
1Cetero Research, Research and Development, Mississauga, Canada

199 Effects of proinflammatory stimuli on glucocorticoid receptor translocation in airway fibroblasts
Fernandez-Bertolin, L1; Pujols, L1; Fuentez, M1; Isam, A1; Embed, C1; Roca-Ferrer, J1; Mullol, J1; Picado, C1
1IDIBAPS, Hospital Clinic, IRCE, Barcelona, Spain; 2Hospital Clinic, Rhinology unit, ENT Department, Barcelona, Spain; 3Hospital Clinic, Pneumology and Allergy Departments, Barcelona, Spain

200 Evaluation of second generation antihistamines following a 2 or 4-weeks treatment by means of a pooled responder analysis in patients suffering from seasonal allergic rhinitis
Mullol, J1; Bousquet, J1; Bachert, C1; Canovia, VV1; Kowalski, M1; Marti-Guadano, E1; Picado, C1; Scadding, G1; Van Cauwenberge, P1; Izquierdo, J1
1Hospital Clinic, Unitat de Rinologia Servei ORL, Barcelona, Spain; 2Hôpital Arnaud de Villeneuve INSERM, Service des Maladies Respiratoires, Montpellier, France; 3Ghent University Hospital, Department Oto-Rhino-Laryngology, Ghent, Belgium; 4Genn University, Dep. of Internal Medicine, Genoa, Italy; 5Lodz Medical University, Immunology, Rheumatology and Allergy, Lodz, Poland; 6Fundacio Sant Pere Claver, Allergy Service, Barcelona, Spain; 7Hospital Clinic, Pneumology and Respiratory Allergy, Barcelona, Swaziland; 8Royal National Throat, Nose and Ear, Rhinology, London, United Kingdom; 9J Uriach y Companía, S.A., Clinical Development & Medical Advice, Palau-Solità i Plegamans, Spain
Sunday, 8 June 2008

- **Aerobiology & Pollution Interest Group** 10.30-12.00
  - Business Meeting and Session 124/125
    - Chairpersons:
      - Carlos Nunes, Portugal
      - Lorenzo Cecchi, Italy
    - Particulate Matter and Respiratory Allergic Diseases
      - Isabella Annesi-Maesano, France

- **Lunch & Poster Viewing** 12.00-13.30
  - The pediatric posters 394-474 will be located in the corridor to the Auditorium. Posters 475-814 and 1725-1775 will be located in the Banquet Hall. A sandwich lunch will be available in the poster exhibition areas.

- **The Ring of Pro & Con** 12.00-12.45
  - The Treatment of Mild Persistent Asthma in Childhood should be Continuous? (P) Exhibition Hall
    - Chairperson: Mário Morais-Almeida, Portugal
    - Pro: Charles Naspitz, Brazil
    - Con: John Warner, United Kingdom

- **The Ring of Pro & Con** 12.45-13.30
  - Drug Provocation Tests are Crucial for the Diagnosis of Drug Allergy Exhibition Hall
    - Chairperson: Antonino Romano, Italy
    - Pro: Pascal Demoly, France
    - Con: Werner Pichler, Switzerland

- **Symposium 6** 13.30-15.00
  - The Origins of Allergy & Asthma from Conception through Early Life 112
    - Chairpersons:
      - Paolo Matricardi, Italy
      - Enrique Martí-Guadaño, Spain
    - Candidate genes for allergy & asthma: global cohort studies
      - Juha Kere, Sweden
    - Epigenetic modification of allergy & asthma genes
      - Donata Vercelli, United States
    - Environmental triggers of allergy & asthma in utero and early life: “the home front”
      - John Warner, United Kingdom

- **Symposium 7** 13.30-15.00
  - Relationship between Objective and Subjective Outcome Measures in Airway Disease 211/212
    - Chairpersons:
      - Ioana Agache, Romania
      - Ansbelo Sánchez Palacios, Spain
    - Do objective outcome measures correlate with symptom severity in the lower airways?
      - Adnan Custovic, United Kingdom
    - Objective severity staging and symptom scores in rhinosinusitis
      - Peter Hellings, Belgium
    - The objective severity assessment of rhinitis and quality of life
      - Roy Gerth van Wijk, The Netherlands

- **Symposium 8** 13.30-15.00
  - Cellular and Molecular Interactions in Allergy 115
    - Chairpersons:
      - David Edgar, United Kingdom
      - Clemens Dahinden, Switzerland
    - Mast cells: not only in allergy
      - Marcus Maurer, Germany
    - Regulatory and effector T cells
      - Sergio Romagnani, Italy
    - Dendritic cells
      - Thomas Beiber, Germany

Sunday, 8 June 2008

Company Sponsored Symposium – ALK-Abelló 13.30-15.00

Grass Allergen Tablet Benefits Children with Grass Allergy!

Chairperson:
Maria Dolores Ibáñez Sandín, Spain

Grass allergy - a fast growing problem for European children
Glens Scadding, United Kingdom

Does the ALK grass allergen tablet benefit children with grass allergy?
Albrecht Bufe, Germany

Health economic benefits of early initiation of ALK grass allergen tablet treatment
Fernando Antoñanzas Villar, Spain

Questions from the audience
Maria Dolores Ibáñez Sandín, Spain

Workshop 2 13.30-15.00

Food Allergy in Children

Chairpersons:
Albert G. Oehling, Spain
Martin Bozzola, Argentina

Are there different clinical patterns with different food allergens?
Cristina Pascual, Spain

Eosinophilic food-allergic diseases
Jonathan Spergel, United States

Practical management of food-allergic children
Ana Maria Plaza Martín, Spain

Workshop 3 13.30-15.00

Asthma Control - Pharmacology and Beyond 117

Chairpersons:
Eric Bateman, South Africa
Mario Sanchez-Borges, Venezuela

The role of the patient personality in compliance to asthma treatment
Eva Brink, Sweden

Treating the family of a child with asthma
Jose Rosado Pinto, Portugal

Questionnaires in asthma monitoring
Jose María Olaguibel Rivera, Spain

Workshop 4 13.30-15.00

Chronic Urticaria: An Update 111

Chairpersons:
Alexander Kapp, Germany
Consuelo Martínez Córera, Spain

Urticaria and infections
Bettina Wedi, Germany

Immunological mechanisms of chronic urticaria
Marta Ferrer, Spain

Update on urticaria knowledge
Clive Grattan, United Kingdom
Sunday, 8 June 2008

**Workshop 5**

**Update in Autoimmune Disorders**

Chairpersons:
- David Wraith, United States
- Yehuda Shoenfeld, Israel

Connective tissue diseases
- Sergio Del Giacco, Italy

Link between autoimmunity and atopy
- Marianne Frieri, United States

Autoantibodies in gastroenterology
- Stan McMillan, United Kingdom

**Workshop 6**

**Mechanisms of Cell Communication**

Chairpersons:
- Carsten Schmidt-Weber, Switzerland
- Thilo Jakob, Germany

Intercellular communication through exosomes
- Jan Lötvall, Sweden

Modified antigen delivery
- Thomas Kündig, Switzerland

Novel cell communication mechanisms in granulocytes
- Hans-Uwe Simon, Switzerland

**Practical Course 3**

Pre-registration is required for the Practical Courses.

**Double Blind Placebo Controlled Challenge Tests in Food Allergy**

Speaker: Alessandro Fiocchi, Italy
Junior: Maria Xatzipsalti, Greece

**Practical Course 4**

**Conjunctival and Nasal Allergen Challenges: When and How**

Speaker: Joan Bartra, Spain
Junior: Monika Jedrzejczak-Czechowicz, Poland

**Oral Abstract Session 4**

**Food Allergy & Anaphylaxis in Children**

Introductory lecturer and chairperson: Hugh Sampson, United States
Chairperson: Antonella Muraro, Italy

Introductory lecture: Food anaphylaxis in children

19 **Severe food anaphylaxis: survey of case reports by the Allergy Vigilance Network**

Codreanu, F; Renaudin, J; Morisset, M; Beaudouin, E; Kanny, G; Moneret-Vautrin, D

Central Hospital University Hospital, Internal Medicine, Clinic Immunology, Allergology, Nancy, France

20 **Data of the anaphylaxis register in Central Europe: triggers and treatment of anaphylaxis**

Hompes, S1; Schreider, R2; Scherer, K3; Lang, R4; Henzgen, M5; Przybilla, B6; Rietschel, E7; Wiesner, A8; Kirschbaum, J1; Worm, M1

1Numico Research, Immunology, Wageningen, The Netherlands; 2Universiteit Utrecht, Pharmacology and Pathophysiology, Utrecht, The Netherlands; 3Universiteit Maastricht, Department of Dermatology, Maastricht, The Netherlands; 4Klinik der Universitaet, Department of Dermatology, Salzburg, Austria; 5University of Zurich, Department of Dermatology, Zurich, Switzerland; 6Universitatsklinikum Freiburg, Department of Dermatology, Freiburg, Germany; 7University of Munich, Department of Dermatology, Munich, Germany; 8University of Cologne, Children's Hospital, Cologne, Germany

21 **Induction of acute systemic anaphylaxis in a murine model of cow's milk allergy**

Nauta, A1; Schouten, B2; van Doorn, S3; van Esch, B4; Willemsen, L5; Garsen, J6; Knippels, L6

1Numico Research, Immunology, Wageningen, The Netherlands; 2Utrecht University, Pharmacology and Pathophysiology, Utrecht, The Netherlands; 3University of Maastricht, Department of Dermatology, Maastricht, The Netherlands; 4Klinik der Universitaet, Department of Dermatology, Salzburg, Austria; 5Universitatsklinikum Freiburg, Department of Dermatology, Freiburg, Germany; 6University of Munich, Department of Dermatology, Munich, Germany; 7University of Cologne, Children's Hospital, Cologne, Germany
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22 Seafood allergy and house dust mite sensitisation: what is the truth?
Piedade, S1; Gaspar, Â1; Rosa, S1; Santa-Marta, C1; Paiva, M1; Matos, V1; Loureiro, V1; Prates, S1; Rodrigues-Alves, R1; Seródio, E1; Leiria-Pinto, P1; Morais-Almeida, M1; Rosado-Pinto, J1
1Immunology Department, Dona Estefânia Hospital, Lisbon, Portugal; 2Clinical Pathology Department, Dona Estefânia Hospital, Lisbon, Portugal

23 Specific oral tolerance induction (SOTI) to milk
Bravin, K1; Luyt, D2
1Leicestershire Nutrition and Dietetic Service, Children's Allergy Clinic, Leicester, United Kingdom; 2University Hospitals of Leicester, Children's Allergy Clinic, Leicester, United Kingdom

24 Epicutaneous immunotherapy for peanut allergy: a preclinical study
Mondoulet, L1; Godefroy, S1; Renard, E1; Berchet, A1; Ronco, J1; Benhamou, P1; Dupont, C3
1DBV Technologies, Research, Paris, France; 2DBV Technologies, Medical, Paris, France; 3Hôpital Saint Vincent de Paul, Neonatology, Paris, France

Oral Abstract Session 5 13.30-15.00

Hymenoptera Venom Allergy 120

Introductory lecturer and chairperson: Ulrich Müller, Switzerland
Chairperson: Beatrice Bilò, Italy

Introductory lecture: 30 year of hymenoptera venom immunotherapy - what do we know?

25 In vivo study of basal transcription factor GATA-3, histamine receptors 1 and 2, IgE-dependent histamine-releasing factor mRNA expression changes in peripheral mononuclear blood cells during bee venom immunotherapy
Zollner, R1; Trevizan, G; Vieira, K; Vilella, C
Brazil

26 Allergen specific immunotherapy is safe and effective in patients with systemic mastocytosis and hymenoptera allergy
Bonadonna, P1; Zanotti, R1; Caruso, B1; Dama, A1; Castellani, L1; Schiappoli, M1; Senna, G1; Passalacqua, G1
1Verona General Hospital, Allergy Unit, Verona, Italy; 2Department of Clinical and Experimental Medicine, Section of Hematology, University of Verona, Verona, Italy; 3Santa Maria del Carmine Hospital, Rovereto, Department of Dermatology, Rovereto, Italy; 4University Of Genoa, Department of Allergy and Respiratory Diseases, Genoa, Italy

27 Double sensitisation in hymenoptera venom allergy: comparison of western blot IgE binding patterns with results from skin testing, serum IgE determination, and basophil activation test
Sturm, G1; Jin, C1; Hemmer, W1; Kranzeltbinder, B1; Focke, M1; Altmann, F1; Aberer, W1
1Medical University of Graz, Dept. of Environmental Dermatology and Venerology, Graz, Austria; 2University of Natural Resources & Applied Life Sciences, Dept. of Chemistry, Vienna, Austria; 3FAZ, Floridsdorf Allergy Centre, Vienna, Austria; 4Medical University of Vienna, Centre of Physiology and Pathophysiology, Vienna, Austria

28 Wasp venom allergy: a protocol for ultra-rush sublingual desensitisation
Nucera, E; Buonomo, A; Lombardo, C; Roncallo, C; Pollastrini, E; Ariuanno, A; Decinti, M; Pecora, V; Musumeci, S; Schiavino, D; Patriarca, G
Catholic University, Department of Allergology, Rome, Italy

29 Generation of a panel of monoclonal IgE antibodies with specificity for hymenoptera venom allergens
Seissmann, H1; Blank, S1; Braren, I1; Grunwald, T1; Bredhorst, R1; Ollert, M1; Spillner, E1
1University of Hamburg, Institute of Biochemistry and Molecular Biology, Hamburg, Germany; 2PLS-Design GmbH, Hamburg, Hamburg, Germany; 3Technical University Munich, Department of Dermatology and Allergy, Munich, Germany

30 Identification, recombinant expression and characterisation of high molecular weight hymenoptera venom allergens
Blank, S1; Seissmann, H1; Bockisch, B1; Braren, I1; Bredhorst, R1; Ollert, M1; Grunwald, T1; Spillner, E1
1University of Hamburg, Institute of Biochemistry and Molecular Biology, Hamburg, Germany; 2PLS-Design GmbH, Hamburg, Hamburg, Germany; 3Technical University Munich, Institute of Dermatology and Allergy am Biederstei, Munich, Germany
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Oral Abstract Session 6 13.30-15.00

A Functional Genomics Perspective on Allergic and other Inflammatory Diseases 121
Introductory lecturer and chairperson: Mikael Benson, Sweden
Chairperson: Lars Olaf Cardell, Sweden
Introductory lecture: Gene expression in allergic disease

31  **Interleukin-21** gene polymorphisms are associated with atopic asthma, serum total IgE and serum IL-21 levels
Chatterjee, R; Batra, J; Ghosh, B
Institute of Genomics and Integrative Biology, Molecular Immunogenetics, Delhi, India

32  **Insulin Receptor Substrate 2 (IRS2) and Ligase IV (LIG4) genes** are associated with total IgE levels and specific IgE against *Ascaris*
Acevedo, N; Mercado, D; Jiménez, S; Vergara, C; Sánchez, J; Fernández, A; Gutiérrez, M; Caraballo, L
‘University of Cartagena, Institute for Immunological Research, Cartagena, Colombia; ‘National Autonomous University of Mexico, Department Microbiology and Parasitology, Mexico, Mexico

33  Activating NRAS and JAK2 mutations associated with **KIT D816V** positive systemic mastocytosis
Wilson, T; Maric, I; Wu, Y; Fu, W; Stoddard, J; Noel, P; Robyn, J; Metcalf, D
‘National Institutes of Health, NIAID, Laboratory of Allergic Diseases, Bethesda, MD, United States; ‘National Institutes of Health, Clinical Center, Department of Laboratory Medicine, Bethesda, MD, United States

34  Expression of CysLT1 alternative transcripts in asthmatic patients with different promoter genotypes
Sokolowska, M; Wodz, K; Cieslak, M; Bednarek, A; Kowalski, M; Pavliczak, R
‘Medical University of Lodz, Department of Immunopathology; Chair of Immunology, Lodz, Poland; ‘Medical University of Lodz, Department of Molecular Carcinogenesis, Lodz, Poland; ‘Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Lodz, Poland

35  IRF4 upregulates pro-inflammatory genes and downregulates anti-inflammatory genes in seasonal allergic rhinitis
Mohini, R; Andersson, B; Cardell, L; Egan, B; Hahn-Zoric, M; Langston, M; Oancea, I; Perkins, A; Soini, J; Rak, S; Benson, M
‘Göteborg University, Pediatric, Göteborg, Sweden; ‘Hannoverska Universitetssjukhuset, Department of Clinical Immunology, Göteborg, Sweden; ‘Malmö University Hospital, Department of Oto-Rhino-Laryngology, Malmö, Sweden; ‘The Gene Pathway, Inc., San Diego, United States; ‘University of Tennessee, Electrical Engineering and Computer Science, Knoxville, United States; ‘Göteborg University, The Allergy Laboratory, Göteborg, Sweden; ‘University of Turku, Centre for Biotechnology, Turku, Finland

36  Exosomes: a way for cells to inform other cells?
Erdh, M; Valadi, H; Lötvall, J
Göteborg University, Internal Medicine, Lung Pharmacology Group, Göteborg, Sweden

Late Breaking Oral Abstract Session 1 13.30-15.00

Basic Science I 122/123
Chairpersons:
Harald Renz, Germany
Madeleine Ennis, United Kingdom

1701 Neuroimmunology of atopic dermatitis: expression of Brain-derived neurotrophic factor and receptors in chronic inflammatory skin
Rössing, K; Bruder, M; Braun, A; Kapp, A; Raap, U
‘Hannover Medical University, Department of Dermatology and Allergology, Hannover, Germany; ‘Fraunhofer Institute of Toxicology and Experimental Medicine, Immunology and Allergology, Hannover, Germany

1702 Variants in a novel epidermal collagen gene (COL29A1) are associated with atopic dermatitis
Marenholz, I; Soderhall, C; Kerscher, T; Buschendorf, F; Esparza-Gordillo, J; Worm, M; Gruber, C; Mayr, G; Albrecht, M; Rohde, K; Schulz, H; Wahnh, U; Hubner, N; Lee, Y
‘Charité Universitätsmedizin Berlin, Department of Pediatric Pneumology and Immunology, Berlin, Germany; ‘Max-Delbrück-Centrum (MDC) for Molecular Medicine, Berlin, Germany; ‘Charité Universitätsmedizin Berlin, Department of Dermatology and Allergology, Berlin, Germany; ‘Max Planck Institute for Informatics, Saarbrücken, Germany

1703 Th17-inducing proinflammatory conditions and triggering of TLR4 and TLR8 break allergen-specific T cell tolerance
Kucuksezer, U; Rückerl, B; Deniz, G; Akdis, C; Akdis, M
‘University of Istanbul, Institute of Experimental Medicine (DETA), Dept. of Immunology, Istanbul, Turkey; ‘Swiss Institute of Allergy and Asthma Research (SIAF), Davos, Switzerland
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1704 Immune tolerance induced in heterologous (mouse/rat) PCA by a new protein purified from Haliotis midae
Di Berardino, L1; Paro, M2; Brenna, O3
1Milan, Italy; 2PRIMM, Treviso, Italy; 3University of Milan, Department of Food Science and Microbiology, Milan, Italy

1705 In vivo effect of modified (2-Butoxy-8-hyroxy-9-benzyl) adenine in the redirection of Th2-mediated murine lung inflammation by triggering TLR7 on dendritic cells
Vultaggio, A; Nencini, F; Filì, L; Maggi, L; Beccastrini, E; Annunziato, F; Romagnani, S; Maggi, E; Parronchi, P
Italy

Drug Allergy Interest Group 13.30-15.00

Business Meeting and Session 124/125
Chairpersons:
Pascal Demoly, France
Maria José Torres Jaen, Spain
Improving Drug Allergy Diagnosis: What Does the European Network for Drug Allergy Offer You?
Pascal Demoly, France

Coffee Break 15.00-15.30

Symposium 9 15.30-17.00

Update in Allergic Skin Disease 117
Chairpersons:
Thomas Bieber, Germany
Celso Pereira, Portugal
Genomics and proteomics in allergic skin diseases
Enrico Scala, Italy
Atopic dermatitis
Peter Schmid-Grendelmeier, Switzerland
Management of urticaria
Alexander Kapp, Germany

Symposium 10 15.30-17.00

Immunotherapy: State of the Art in the Clinic 211/212
The Allergopharma Award will be presented during this symposium.
Chairpersons:
Jörg Kleine-Tebbe, Germany
Sabina Rak-Wajngarten, Sweden
Immunotherapy: where are we now?
Emilio Alvarez-Cuesta, Spain
Regulatory aspects of immunotherapy: news from the EMEA (European Medicines Agency)
Stefan Vieths, Germany
How to assess the clinical efficacy of immunotherapy
Marek Jutel, Poland

Company Sponsored Symposium – GlaxoSmithKline 15.30-17.00

Nasal and Ocular Relief: Can We Change the Way We Look at Allergic Rhinitis? 113/114
Chairperson:
Joaquim Mullol, Spain
Chair’s welcome and introduction
Joaquim Mullol, Spain
Rhinitis-suffering doctors: novel data as to the impact of rhinitis on their personal life and professional behaviour
David Price, United Kingdom
How does a nasal steroid relieve eye symptoms: the hidden link?
Robert Naclerio, United States
Fluticasone furoate an enhanced affinity steroid: how does this translate clinically?
Glenis Scadding, United Kingdom
Fluticasone furoate attributes, what matters to the patient?
Ulrich Wahn, Germany
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Questions and discussions
All
Summary and close

- **Workshop 7** 15.30-17.00
  - **Management of Anaphylaxis in Childhood** (P) Auditorium
  - Chairpersons:
    - Graham Roberts, United Kingdom
    - Hugh Sampson, United States
  - Surveillance programs in the community
    - Antonella Muraro, Italy
  - Impact of anaphylaxis in children
    - F Estelle R Simons, Canada
  - Management in the school
    - Andrew Clark, United Kingdom

- **Workshop 8** 15.30-17.00
  - **Asthma Mortality and Management in Developing Countries** 115
  - Chairpersons:
    - Valente Merida, Mexico
    - Revaz Sepiashvili, Russian Federation
  - Management of asthma in poor environments
    - Eric Bateman, South Africa
  - Asthma management in Eastern Europe
    - Ioana Agache, Romania
  - Asthma in Latin America
    - Hugo Neffen, Argentina

- **Workshop 9** 15.30-17.00
  - **Pathogen-Derived Immunotherapeutics in Allergy Treatment** 111
  - Chairpersons:
    - Roger Lauener, Switzerland
    - Andreas Jung, Switzerland
  - CpG motifs
    - José Zubeldia, Spain
  - Proteins from Gram positive bacteria
    - Barbara Bohle, Austria
  - Probiotics
    - Eckard Hamelmann, Germany

- **Workshop 10** 15.30-17.00
  - **Plant Food Allergy** 112
  - Chairpersons:
    - Heimo Breiteneder, Austria
    - Vera Mahler, Germany
  - Immunoglobulin E responses to molecular plant food allergens across Europe: the big picture
    - Jonas Lidholm, Sweden
  - Plant food immunotherapy
    - Ernesto Enrique, Spain
  - Gene technology to reduce the allergenicity of foods
    - Stephan Scheurer, Germany
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**Workshop 11**
15.30-17.00
 Basophils in Allergy
116

Chairpersons:
Massimo Triggiani, Italy
Maria Luisa Baeza, Spain

Are basophils relevant in allergy?
Madeleine Ennis, United Kingdom

Basophils and innate immunity
Franco Falcone, United Kingdom

Th2 immune responses and allergy produced upon mast cell-basophil interactions
Clemens Dahinden, Switzerland

**Practical Course 5**
15.30-17.00

Pre-registration is required for the Practical Courses.

**Allergy Vaccination: How to be Effective and Safe**
118

Speaker: Anthony Frew, United Kingdom
Junior: Joana Caiado, Portugal

**Practical Course 6**
15.30-17.00

**Lung Function Tests: Spirometry, Plethysmography, Oscillometry**
119

Speaker: Gert-Jan Braunstahl, The Netherlands
Junior: Anna Ferrer Franco, Spain

**Year in Review**
15.30-17.00

**Respiratory Allergy**
E1

Chairpersons:
Ignacio Ansotegui, Spain
Ronald Dahl, Denmark

Asthma
Christian Virchow, Germany

Allergic rhinitis/rhinosinusitis
Philippe Geveart, Belgium

Persistent cough
Ira Finegold, United States

**Oral Abstract Session 7**
15.30-17.00

**Adaptive Immunity**
133/134

Introductory lecturer and chairperson: Mübeccel Akdis, Switzerland
Chairperson: Edward Knol, The Netherlands

**37** Characterisation of Der p 1 and Der p 2-specific CD4+ T cell responses in allergic and non allergic individuals using HLA-class II-peptide tetramers

Wambre, E1; Van Overtvelt, L1; Mailiere, B2; Louise, A3; Moingeon, P; Von Hofe, E4

1Stallergenes, R&D, Antony, France; 2CEA, Scientific, GIF sur Yvette, France; 3Institue Pasteur, Scientific Dept, Paris, France; 4Antigen, Scientific, Worcester, United States

**38** Identification of allergen-specific T cells in allergic individuals without a priori knowledge of epitope specificity and MHC haplotype

Kigtsidou, E; Ring, J; Mempel, M; Ollert, M

Klinikum rechts der Isar der TU Muenchen, Dermatology and Allergy, Biederstein, Munich, Germany

**39** Novel strategy to analyze allergen-specific T-cell responses in short term cultures

Van Hemelen, D1; Oude Elberink, H2; van Oosterhout, A1

1University Medical Center Groningen, Laboratory of Allergology and Pulmonary Diseases, Groningen, The Netherlands; 2University Medical Center Groningen, Division of Allergology, Internal Medicine, Groningen, The Netherlands
40 Amplification of T helper 1 immunity through CD8 T cell to dendritic cell feedback
Wong, K1; Lew, F1; Macary, P2; Kemeny, D2
1National University of Singapore, Immunology Programme, Singapore, Singapore; 2National University of Singapore, Immunology Programme, Singapore

41 Allergen induced production and function of IL-10 in B cells
Milovanovic, M; Heine, G; Worm, M
Charité - Universitätsmedizin Berlin, Allergy Center Charité, Department of Dermatology and Allergy, Berlin, Germany

42 Contribution of T cell independent interleukin 10 to allergen immunotherapy
Bewersdorf, M1; Alessandrini, F1; Aguilar, A1; Braun, A1; Kremmer, E1; Ring, J1; Mempel, M2; Müller, W3; Roers, A4; Behrendt, H4; Jakob, T5
1Division of Environmental Dermatology and Allergy - Helmholtz Zentrum München, ZAUM - Center for Allergy and Environment, TUM, Munich, Germany; 2Helmholtz Zentrum München, Institute of Molecular Immunology, Munich, Germany; 3Technische Universität München, Department of Dermatology and Allergy Biedermann, Munich, Germany; 4University of Manchester, Faculty of Life Sciences, Manchester, United Kingdom; 5University of Cologne, Department of Dermatology, Cologne, Germany; 6University of Freiburg, University Medical Center, Allergy Research Group, Freiburg, Germany

Oral Abstract Session 8
15.30-17.00

43 Analysis of three prevalent filaggrin mutations (R2447X, S3247X and 3702delG) in an Austrian and German AD cohort
Greisenegger, E1; Zimprich, A1; Maintz, L2; Bieber, T2; Novak, N2; Stingl, G2; Kopp, T3
1Medical University of Vienna, Department of Dermatology, DIAID, Vienna, Austria; 2Medical University of Vienna, Department of Neurology, Vienna, Austria; 3University of Bonn, Department of Dermatology, Bonn, Germany

44 UVB (311nm)- phototherapy influence on humoral part of immunity in adult patients with atopic dermatitis
Kruglova, L; Dvornikov, A
Skin and venereal diseases clinic No.1 of Moscow Department of Health, Moscow Department of Health, Moscow, Russian Federation

45 Impaired TLR-2 expression and TLR-2 mediated cytokine secretion in macrophages from patients with atopic dermatitis
Niebuhr, M1; Lutat, C1; Draing, C2; Kapp, A2; Werfel, T3
1Hannover Medical School, Dermatology and Allergy, Hannover, Germany; 2University of Konstanz, Biochemical Pharmacology, Department of Biology, Konstanz, Germany

46 Anti-CD20 (rituximab) treatment improves atopic eczema
Simon, D1; Hösl, S1; Yawalkar, N2; Simon, H3
1Dept. of Dermatology, Inselspital, University of Bern, Bern, Switzerland; 2Dept. of Pharmacology, University of Bern, Bern, Switzerland

47 A systematic review of the efficacy of probiotics for treating eczema
Boyle, R1; Vangos, G1; Taylor, J2; Murrell, D2; Tang, M2; Bath-Hextall, F3
1Imperial College, Paediatric Allergy, London, United Kingdom; 2Royal Children’s Hospital, Dermatology, Melbourne, Australia; 3Patient Representative, Australia; 4University of New South Wales, Dermatology, Australia; 5Murdoch Childrens Research Institute, Allergy and Immunology, Melbourne, Australia; 6University of Nottingham, Nursing, Nottingham, United Kingdom

48 Frequency of atopic dermatitis is reduced in groups allergic to individual fragrance chemicals with both skin and cutaneous exposure: the hapten-atopy hypothesis
Kimber, I1; Basketter, D1; Buckley, D1; McFadden, J1; White, J2
1Manchester University, Department of Life Sciences, Manchester, United Kingdom; 2St. John's Institute of Dermatology, Department of Cutaneous Allergy, London, United Kingdom; 3United Kingdom
**Oral Abstract Session 9**

**Tools and Methods for Diagnosing Allergy**

**Introductory lecture and chairperson:** Uta Jappe, Germany  
**Chairperson:** Beda Stadler, Switzerland

**Introductory lecture:** Are diagnostic tests lacking regulatory control in Europe?

49  **The GA\'LEN Pan-European standard prick test study - first results**

**Burbach, G**;  
Heinzerling, L;  
Bachtel, C;  
Bindslev-Jensen, C;  
Bousquet, J;  
Bruno, A;  
Canonica, G;  
Darsow, U;  
Demoly, P;  
Fokkens, W;  
Gjomarkaj, M;  
Hahtela, T;  
Kowalski, M;  
Masabni, M;  
Maygar, P;  
Muraközi, G;  
Orosz, M;  
Papadopoulos, N;  
Röhnel, C;  
Stingl, G;  
Todo-Bom, A;  
von Mutius, E;  
Wiesner, A;  
Wöhrle, S;  
Zuberbier, T

Charité Universitätsmedizin Berlin, Department of Dermatology and Allergy, Berlin, Germany;  
University Hospital Gent, Department of Otorhinolaryngology, Gent, Belgium;  
University Hospital Odense, Allergy Centre, Odense, Denmark;  
Universitätsklinikum der LMU Munich, Department of Dermatology and Allergy, Munich, Germany;  
University Hospital Montpellier, INSERM U657, Montpellier, France;  
Consiglio Nazionale delle Ricerche, Palermo, Italy;  
University of Genoa, Genoa, Italy;  
Technical University Munich, Department of Dermatology and Allergy, Munich, Germany;  
University Hospital Montpellier, INSERM U657, Montpellier, France;  
Academic Medical Centre, Department of Otorhinolaryngology, Amsterdam, The Netherlands;  
Helsinki University Central Hospital, Helsinki, Finland;  
Medical University of Lodz, Department of Immunology, Rheumatology and Allergy, Lodz, Poland;  
Semmelweis Medical University, Budapest, Hungary;  
National and Kapodistrian University, 2nd Pediatric Clinic, Allergy Department, Athens, Greece;  
Medical University of Vienna, Vienna, Austria;  
Coboba University, Coimbra, Portugal;  
Ludwig Maximilians University Munich, Munich, Germany;  
Children's University Hospital, Zurich, Switzerland

50  **Identification and characterisation of lentil sensitisation patterns**

**Akkerdaas, J**;  
Knuist, A;  
Fernandez-Rivas, M;  
Santos Magadan, S;  
Summers, C;  
Van Ree, R

Academic Medical Center, Department of Experimental Immunology, Amsterdam, The Netherlands;  
UMC, Department of Dermatology and Allergy, Utrecht, The Netherlands;  
Hospital Clinico San Carlos,Servicio de Alergia, Madrid, Spain;  
CM&MC, Manchester, United Kingdom

51  **Frozen fruit skin prick test for allergy diagnosis**

**Garriga Baraut, T**;  
Cardona, V;  
Luengo, O;  
Guillén, M;  
Rueda, M;  
Labrador, M;  
Guilarte, M

Hospital Vall d'Hebron, Allergy Section. Internal Medicine Department, Barcelona, Spain;  
Hospital Vall d’Hebron, Paediatric Allergy Department, Barcelona, Spain

52  **A new allergy interpretation tool for physicians - development and application**

**Onell, A**;  
Sodergren, E;  
Nilsson, C;  
Peters, L;  
Forsgren, P;  
Kober, A;  
Sandell, A;  
Wall, K;  
Borres, M

Phadia AB, Uppsala, Sweden;  
Karolinska Institute, Dept of Clinical Science and Education, Södersjukhuset and Sachs’ Children's Hospital, Stockholm, Sweden;  
Pacific Knowledge Systems, Sydney, Australia

53  **The clinical relevance of CCDs in hymenoptera-venom allergy**

**Mertens, M**;  
Brehler, R

University Hospital Münster, Department of Dermatology, Münster, Germany

54  **The basophil activation test (BAT) in hymenoptera allergy - sensitivity, specificity and influencing factors on the test results**

**Kranzelbinder, B**;  
Schuster, C;  
Frühauft, J;  
Laipold, K;  
Groselj-Strele, A;  
Aberer, W;  
Sturm, G

Medical University, Dep. of Environmental Dermatology and Allergy, Graz, Austria;  
Center for Medical Research, Medical University, Division of Biostatistics, Graz, Austria

**Late Breaking Oral Abstract Session 2**

**Treatment of Allergic Diseases**

**Chairpersons:**  
Philippe Eigenmann, Switzerland  
Dolores Hernandez de Rojas, Spain

1706  **Recombinant osteopontin administration prevents and suppresses Th2-mediated airway inflammation through Treg recruitment**

**Alissafi, T**;  
Semitekolou, M;  
Xanthou, G;  
Panoutsakopoulou, V

Biomedical Research Foundation of the Academy of Athens, Cellular Immunology, Athens, Greece;  
Greece

1707  **Objective measurement of nasal patency with acoustic rhinometry is a superior measure of nasal congestion than subjective symptom scoring and eliminates the placebo effect: evidence from a clinical trial of mometasone furoate nasal spray in patients with seasonal allergic rhinitis conducted in an environmental exposure chamber**

**Salapatek, A**;  
Patel, P;  
Gopalan, G;  
Varghese, S

Allied Research International - Cetero Research, Research and Development, Mississauga, ON, Canada;  
Schering-Plough Corporation, Kenilworth, NJ, United States
1708 Continuous clinical efficacy and progressive immunological effect of long-term specific immunotherapy with the ALK grass allergen tablet: findings from a 3-yr randomised adult trial
Emminger, W1; Dahl, R1; Kapp, A1; Colombo, G1; de Monchy, J1; Rak, S1; Denlow, B1; Durham, S1
1Allergie-Ambulatorium Rennweg, Wien, Austria; 2Aarhus University Hospital, Department of Respiratory Diseases, Aarhus, Denmark; 1Hanover Medical University, Department of Dermatology and Allergology, Hanover, Germany; 1Medicina Interna Allergologia, Ospedale San Raffaele del Monte Tabor, Milan, Italy; 2University of Groningen, the Division of Allergology, Groningen, The Netherlands; 3Sahlgrenska University Hospital, Section of Allergy, Gothenburg, Sweden; 4ALK-Abelló A/S, Harsholm, Denmark; 5Imperial College and Royal Brompton Hospital, Section of Allergy and Clinical Immunology, London, United Kingdom

1709 Prevention of early atopic dermatitis by an infant formula supplemented with immunoactive prebiotics in low atopy risk infants
Gruber, C1; Arslanoglu, S2; Piemontese, P3; Eisses, A1; Macheiner, M1; Stricker, T1; Gasparoni, A1; Jelinek, J1; Boehm, G1; Chirico, G1; Moro, G1; Roggero, P1; Sauer, P1; Riedler, J2; Braegger, C1; Wahn, U1
1Charité - Universitätsmedizin Berlin, Department of Pediatric Pneumology and Immunology, Berlin, Germany; 2Hospital Macedonio Melloni, Center for Infant Nutrition, Milan, Italy; Fondazione IRCCS “Ospedale Maggiore Policlinico, Manzoni e Regina Elena”, University of Milan, Institute of Pediatrics and Neonatology, Milan, Italy; 1Academisch Ziekenhuis Groningen, Groningen, The Netherlands; 2Kardinal-Schwarzenberg’sches Krankenhaus, Kinder- und Jugendspital, Schwarzach, Austria; 3University Children’s Hospital, Division of Gastroenterology and Nutrition, Zürich, Switzerland; 4Spedali Civili, Department of Neonatology and Neonatal Intensive C, Brescia, Italy; 5Danone Research Centre for Specialised Nutrition, Friedrichsdorf, Germany; Fondazione IRCCS “Ospedale, Institute of Pediatrics and Neonatology, Milan, Italy; 6Kardinal Schwarzenberg’sches Krankenhaus, Kinder- und Jugendspital, Schwarzach, Austria

1710 Neonatal vaccination with Bacillus Calmette-Guerin upregulates persistent IFN-gamma secretion
Akkoc, T1; Aydogan, M1; Yildiz, A1; Efin, A1; Keles, S1; Akin, M1; Kavuncuoglu, S1; Ozdemir, C1; Bahceciler, N1; Barlan, I1
1Marmara University, Pediatric Allergy and Immunology, Istanbul, Turkey; 2Bakirkoy Maternity and Infant Hospital, Pediatric, Istanbul, Turkey

1711 Sublingual specific immunotherapy in patients with allergic rhinitis can reduce new sensitisations: a case-control study on 282 patients. The EFESO Multicenter Trial
Campodonico, P; Scatena, C; Milani, M1
1ALK Abelló, Medical Department, Lainate, Italy

1712 Analysis of macrophage-derived chemokine (MDC) and thymus and activation-regulated chemokine (TARC) concentration during specific allergen immunotherapy in patients with seasonal allergic rhinoconjunctivitis
Kucharczyk, A1; Niedzialkowski, P1; Targowski, T1; Mierzejewska, M1; Jahnz-Rozyk, K1
1Military Health Services, Department of Immunology and Clinical Allergology, Warsaw, Poland; 2Poland

| Poster Discussion Session 3 | 15.30-17.00 |

**T Cells, Cytokines and Antibody Regulation**

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**T Cells, Cytokines and Antibody Regulation**

**Chairpersons:**
Martin Mempel, Germany
Markus Ollett, Germany

**201 Suppression of IgE isotype switch in murine B cells by dendritic cells can be reversed by diesel particles**
Braun, A1; Bewersdorff, M1; Buters, J1; Jakob, T1; Behrendt, H1; Mempel, M1
1Division of Environmental Dermatology and Allergy – Helmholtz Zentrum München, ZAUM - Center for Allergy and Environment, TUM, Munich, Germany; 2University of Freiburg, Allergy Research Group, University Medical Center, Freiburg, Germany

**202 Increased FOXP3 expression in CD4CD25 regulatory T cells in severe asthma**
Ghaini, H1; Beraïs, A2; Hamzaoui, K2; Hamzaoui, A1
1Institut de l’Allergie, Unité de Pneumologie et Immunologie, Lille, France; 2University of Applied Sciences HS Fulda, Biochemistry, Fulda, Germany; 3Klinikum Fulda, Institut für Labormedizin, Fulda, Germany; 4Medical State University, Institute of Allergy and Asthma, Krasnodar, Russian Federation

**203 Th17 in sensitised human lymphocytes ex vivo**
Kuzmenko, N1; Rosner, J1; Knig, C1; Michel, F1; Schulz, N1; Weisser, H1; Khanferyan, R1; Diehl, E1
1Institute of clinical and experimental medicine, Division of Pediatrics, Linköping University, Linköping, Sweden; 2Institute of clinical and experimental medicine, Division of Clinical Immunology, Linköping University, Linköping, Sweden; 3Institute of experimental medicine, Division of Obstetrics and Gynecology, Linköping University, Linköping, Sweden

**204 Systemic Th1- and Th2-associated chemokines during and after pregnancy in relation to maternal allergic disease**
Sandberg, M1; Ernérudh, J1; Berg, G1; Matthiesen, L1; Ekerfelt, C1; Nilsson, L1; Jenmalm, M1
1Institution of clinical and experimental medicine, Division of Pediatrics, Linköping University, Linköping, Sweden; 2Institution of clinical and experimental medicine, Division of Clinical Immunology, Linköping University, Linköping, Sweden; 3Institution of clinical and experimental medicine, Division of Obstetrics and Gynecology, Linköping University, Linköping, Sweden
Recent thymic emigrant peripheral T cells (CD45RO-CD31+), peripheral memory effector T cells (CD45RO+CD31-) and regulatory T cells (CD25hiFoxP3+) in 8 year old children
Weber-Chrysococoou, C; Britton, W; Kemp, A; Marks, G; Fazekas de St Groth, B
1Woolcock Institute of Medical Research, Allergy Department, Sydney, Australia; 2Centenary Institute, Immunology Department, Sydney, Australia; 3Westmead Children's Hospital, Allergy Department, Sydney, Australia; 4Woolcock Institute of Medical Research, Epidemiology Department, Sydney, Australia; 5Centenary Institute, Immunology Department, Sydney, Australia

Effect on the number of bone marrow T regulatory cells in the absence of CD8+ T cells in a mouse model of allergic inflammation
Malmhäll, C; Lu, Y; Lötvall, J; Bossios, A
Göteborg University, Lung Pharmacology group, Göteborg, Sweden

Toll-like receptor ligand activation of murine bone marrow-derived dendritic cells
Kimber, I; Cumberbatch, M; Maxwell, G; Westmoreland, C; Dearman, R
1University of Manchester, Faculty of Life Sciences, Manchester, United Kingdom; 2Unilever, Safety and Environment Assurance Centre, Bedford, United Kingdom

IgE-associated allergic disease during infancy is associated with low levels of C-reactive protein at one year of age
Abrahamsson, T; Bjorksten, B; Vaarala, O; Jennmalm, M
1Department of clinical and experimental medicine, Division of Paediatrics, Linköping; 2Karolinska Institut, Institute of Environmental Medicine, Stockholm, Sweden; 3National Public Health Institute, Department of Viral Diseases and Immunology, Helsinki, Finland; 4Department of clinical and experimental medicine, Division of Paediatrics, Linköping, Sweden

Potentially harmful high IgE levels are restricted by a limited humoral IgE immunological memory
Achatz-Straussberger, G; Lamers, M; Crameri, R; Achatz, G
1University of Salzburg, Molecular Biology, Salzburg, Austria; 2MPI, Immunobiology, Freiburg, Germany; 3SIAF, Davos, Switzerland

Individual IgE antibody affinity directly affects T-cell activation mediated by Facilitated Antigen Presentation (FAP)
Willumsen, N; Würtzlen, P; Holm, J; Christensen, L; Lund, K
ALK-Abello A/S, Research, Hørsholm

IL-31 increases serum IgE levels in mice
Saito, S; Akiyama, N; Kohno, H; Ohno, Y
Jikei Univ. Sch Med, Dept. Mol Immunol., Inst. DNA Med, Tokyo, Japan

Ig free light chain- and IgE-mediated skin inflammation is neurokinin-1 receptor-dependent
Kool, M; Kraneveld, A; Blokhuis, B; Redegeld, F
Faculty of Science, Utrecht University, Pharmacology and Pathophysiology, Utrecht, The Netherlands

Evaluation of Cytomegalovirus (CMV)-specific immunoglobulins as serologic markers for CMV infection in HIV infected patients
Mehrkhani, F; Jabbari, H; Fatollahi, F; Kourorian, Z; Jam, S; Moradmard Badie, B; Mohraz, M
1Iranian Research Center for HIV/AIDS, Medical Sciences/ University of Tehran, Imam Khomeini Hospital, Tehran, Islamic Republic of Iran; 2Center for Environmental Research, Medical Sciences/University of Tehran, Tehran, Islamic Republic of Iran; 3Immunology, Asthma and Allergy Research Institute, Medical Sciences/ University of Tehran, Children Medical Center, Tehran, Islamic Republic of Iran

Impaired Th17 immune response in patients with chronic mucocutaneous candidiasis
Foerster, S; Eynich, K; Rombold, S; Hofmann, H; Ring, J; Behrendt, H; Traudl-Hoffmann, C
1Technical University Munich, ZAUM-Center for Allergy and Environment, Munich, Germany; 2Technical University Munich, Department of Dermatology and Allergy, Munich, Germany

Detection and characterisation of exosomes of monocyte and human proinflammatory macrophage type I origin
Sjöstrand, M; Lässer, C; Valadi, H; Lightfoot, A; Malmer, A; Bossios, A; Lötvall, J
Göteborg University, Internal Medicine, Lung Pharmacology group, Göteborg

Poster Discussion Session 4 15.30-17.00

Molecular Allergens Defining a New Approach to Allergy Diagnosis 129/130
Chairpersons:
Werner Aberer, Austria
Gabrielle Pauli, France

Native Art v 1: evaluation of a molecular allergen for mugwort pollen allergy
Sen, M; Huyhn, K; Evangelista, R; Jaggi, K; Davoudzadeh, D; Palazzo, P; Zennaro, D; Mari, A; Hovanec-Burns, D
1Siemens Healthcare Diagnostics, Biochemistry, Los Angeles, United States; 2Siemens Healthcare Diagnostics, Allergy Diagnostics, Los Angeles, United States; 3Siemens Healthcare Diagnostics, Chemistry, Los Angeles, United States; 4Center for Clinical and Experimental Allergology, IDI-IRCCS, Rome, Italy
Sunday, 8 June 2008

218 Affinity purification of native cockroach allergen Bla g 7 for component-resolved diagnostics
Everberg, H; Nygård, K; Unger, E; Högbom, E; Movérare, R; Brostedt, P
Phadia AB, R&D, Uppsala, Sweden

219 Gluten allergy testing - usefulness of specific IgE to gluten and of skin prick test with the extract of gliadins
Bilo, B1; Dyga, W1; Obtulowicz, K2; Waga, P; Zientarski, J
1Jagellonian University, Medical College, Dep. of Clinical and Environmental Allergology, Krakow, Poland; 2Plant Breeding and Acclimatization Institute, Dep. of Cereals Breeding and Quality Evaluation, Krakow, Poland

220 Evaluation of native major peach allergen nPru p 3: a lipid transfer protein for allergy diagnosis
Marañón, M1; Huynh, K1; Poladian, M1; Drummond, A1; Lopez, M1; Jaggi, K1; Davoudzadeh, D2; Zaffiro, A4; Quarantino, D4; Mari, A4; Hovanec-Burns, D1; Banik, U2
1Siemens Healthcare Diagnostics, Biochemistry, Los Angeles, United States; 2Siemens Healthcare Diagnostics, Allergy Diagnostics, Los Angeles, United States; 3Siemens Healthcare Diagnostics, Molecular Biology, Los Angeles, United States; 4Center for Clinical and Experimental Allergology, IDI-IRCCS, Rome, Italy

221 Benefit of the basophil activation test in predicting the oral food challenge outcome with cow milk
Rubio, A1; Vivinus-Nebot, M1; Bourrier, T1; Saggio, B1; Albertini, M1; Bernard, A1
1University Hospital of Nice and Medical University of Nice, Pediatric Department, Nice, France; 2University Hospital of Nice and Medical University of Nice, Immunology Department, Nice, France; 3University Hospital of Nice, Pediatric and Allergy, Nice, France; 4Lenval Children’s Foundation, Biology, Nice, France

222 Can decision points be generated in open food challenges?
O’B. Hourihane, J1; Lafford, S; Daly, D; DunnGalvin, A1
1Ireland

223 In vivo reactivity to grass pollen in patients with allergic rhinoconjunctivitis in correlation to specific serum IgE antibody levels
Huss-Marp, J1; Darsow, U1; Pfab, F1; Weichenmeier, I1; Petersson, C5; Borres, M1; Ring, J1; Behrendt, H1
1Helmholtz Center Munich / Technical University Munich, ZAUM - Center for Allergy and Environment, Munich, Germany; 2Technical University, Dep. of Dermatology and Allergy Biederstein, Munich, Germany; 3Phadia AB, Uppsala

224 The wheal-size of skin prick tests does not correlate with specific IgE levels in patients with type-I allergy
Wohrl, S1; Binder, M1; Stengl, G1; Prinz, M1
1Medical University of Vienna, Dep Dermatology, Vienna, Austria; 2Medical University of Vienna, Core unit for Medical Statistics and Informatics, Vienna, Austria

225 Are there differences in the allergen contents of birch, mould and house dust mite skin prick test products from different manufactures that could influence allergy diagnosis?
Meno, K1; Giselsson, A1; Grosch, K1; Hansen, G1; Jimeno, L1; Larsen, G1; Schou, K1; Ipsen, H1
1ALK-Abelló, Allergen Chemistry & Biotechnology, Hørsholm, Denmark; 2ALK-Abelló, Analytical Method Development, Hørsholm, Denmark; 3ALK-Abelló, Biochemical Development, Madrid, Spain; 4ALK-Abelló, Aseptic Production, Hørsholm, Denmark

226 Allergen content of grass-pollen preparations for skin prick test and for sublingual immunotherapy
Sander, I1; Fleischer, C1; Meurer, U1; Brüning, T1; Rauf-Heimsoth, M1
BGFA – Research Institute of Occupational Medicine, German Social Accident Insurance, Ruhr University Bochum, Bochum, Germany

227 IgE profiles of Bermuda grass pollen sensitised patients evaluated by Phleum pratense allergens Phl p 1, 2, 4, 5, 6, 7, 11, 12
Monasterolo, G5; Rossi, R5
1SS Annunziata Hospita, Laboratorio Analisi, Savigliano, Italy; 2Rete di Allergologia Regione Piemonte, Allergy Unit, Cuneo, Italy

228 Cross-reactive carbohydrate determinants and Hymenoptera venom allergy: IgE-detection in conceptually different automated systems, implicating relevant recombinant allergens
Jappe, U1; Sander, I1; Hoffmann, M1; Huebsch-Mueller, C2; Enk, A1; Rauf-Heimsoth, M1
1Paul-Ehrlich-Institut, Division of Allergology, Langen, Germany; 2Ruhr University Bochum, Research Institute of Occupational Medicine, Bochum, Germany; 3University of Heidelberg, Department of Dermatology and Venerology, Heidelberg, Germany

229 Cross-reactive carbohydrate determinant (CCD) from bromelain: a new allergy marker (MUXF Glycopeptide) for specific IgE detection
Banik, U1; Huynh, K1; Gan, W1; Evangelista, R1; Lopez, M1; Jaggi, K1; Davoudzadeh, D1; Palazzio, P1; Bernardi, M1; Mari, A1; Hovanec-Burns, D1
1Siemens Healthcare Diagnostics, Allergy Diagnostics, Los Angeles, United States; 2Siemens Healthcare Diagnostics, Chemistry, Los Angeles, United States; 3Siemens Healthcare Diagnostics, Biochemistry, Los Angeles, United States; 4Center for Clinical and Experimental Allergology, IDI-IRCCS, Rome, Italy
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**230** Laboratory evaluation of a qualitative in vitro test for specific IgE in primary care as compared to quantitative measurement using automated ImmunoCAP FEIA processing
Forslid, J; Mollén, P; Lena, S
Karolinska University Hospital, Division of Laboratory Medicine, Stockholm, Sweden

**231** Development of an ELISA method for detection of specific IgE against saffron pollen allergens in human serum
Tayebi, D; Rahsaz, M
1Islamic Azad University-kazeroun Branch, Biology, Kazeroun, Islamic Republic of Iran; 2Nemazi Hospital, Transplantation Research Center, Shiraz, Islamic Republic of Iran

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**Poster Discussion Session 5**  
15.30-17.00

**Indoor and Outdoor Allergens**

**232** Cat, dog and horse allergens in allergen avoidance and conventional Swedish daycare centers - associations with building characteristics
Cai, G; Zhao, Z; Bröms, K; Kim, J; Svärdskull, K; Norbäck, D
1Uppsala University, Dept. of Medical Science, Uppsala, Sweden; 2Uppsala University, Dept. of Public Health and Caring Sciences, Uppsala, Sweden

**233** Prevalence of rhinitis among office workers of a naturally ventilated old building: indoor air quality concerns
Rios, J; Boechat, J; Gotti, A; Ramos, C; Aquino Neto, F; Lapa e Silva, J
1Federal University of Rio de Janeiro, Thoracic Disease Institute, Rio de Janeiro, Brazil; 2Policlinica Geral do Rio de Janeiro, Serviço de Alergia, Rio de Janeiro, Brazil; 3Federal University of Rio de Janeiro, Chemistry Institute, Rio de Janeiro, Brazil

**234** Natural and recombinant allergens of olive and chenopods in the diagnosis of allergic patients
Flores, E; Cervera, L; Salinas, M; Barber, D; Fernández, J
1San Juan University Hospital, Biochemistry, San Juan de Alicante, Spain; 2Vistahermosa Hospital, Biochemistry, Alicante, Spain; 3ALK-Abello-Spain, I+D+I, Madrid, Spain; 4Elche University Hospital. UMH, Allergy Section, Elche, Spain

**235** Polycyclic aromatic hydrocarbons (PAHs) are proallergic diesel exhaust particle chemicals: they generate oxidative stress in epithelial cells and drive IL-4 secretion from basophils in an allergen independent fashion
Schober, W; Lange, J; Gebauer, G; Lubitz, S; Matusche, K; Lintelmann, J; Behrendt, H; Büters, J
1Division of Environmental Dermatology and Allergy, Helmholtz Zentrum München/TUM, ZAUM – Center for Allergy and Environment, Munich, Germany; 2Helmholtz Zentrum München, German Research Center for Environmental Health, Institute of Ecological Chemistry, Neuherberg, Germany

**236** Short-term effect of ozone and grass pollen exposure on antiasthmatic drug consumption
Mur Gimeno, P; Feo Brito, F; Martin Iglesias, A; Guerra Pasadas, P; Lara de la Rosa, P; Castro Jiménez, A
1Hospital Santa Barbara, Allergy Unit, Puertollano, Spain; 2General Hospital Ciudad Real, Allergy Section, Ciudad Real, Spain; 3Hospital Reina Sofia, Department of Allergy and Pathology, Cordoba, Spain

**237** The development of the algorithm for allergic pollen forecast
Oh, J; Lee, H; Kim, H; Kang, P; Kim, S; Kim, B; Kook, M
1Hanyang University Guri Hospital, Pediatrics, Guri, Republic of Korea; 2Hanyang University Guri Hospital, Pediatrics, Seoul, Republic of Korea; 3Republic of Korea; 4Daegu Fatima Hospital, Department of Pediatrics, Daegu, Republic of Korea; 5Busan St. Mary Hospital, Department of Pediatrics, Busan, Republic of Korea; 6Kangneung Asan Hospital, Department of Pediatrics, Kangneung, Republic of Korea; 7Kwangju Veterans Hospital, Department of Pediatrics, Kwangju, Republic of Korea

**238** Spread of ragweed plants and ragweed sensitisation in The Netherlands
De Weeger, L; van der Linden, A; Terrehoerst, J; van der Slikke, W; van Vliet, A; Hiemstra, P
1Leiden University Medical Center, Department of Pulmonology, Leiden, The Netherlands; 2FLORON Foundation, Leiden, The Netherlands; 3Wageningen University, Environmental Systems Analysis Group, Wageningen, The Netherlands

**239** Clinical and epidemiological findings in patients monosensitised to Artemisia pollen in Ciudad Real (Spain)
Lara de la Rosa, P; Borja Segade, J; Feo Brito, F; Galindo Bonilla, P; Gómez Torrijos, E; Alonso Llamazares, A; García Rodríguez, R
General Hospital, Allergy Section, Ciudad Real, Spain

**240** Airborne allergen (Ole e 1) in relation to Olea europaea L. pollen
De Linares, C; Nieto, D; Alba, F; Díaz de la Guardia, C
University of Granada, Botany Department, Granada, Spain

**241** Airborne allergen (Ole e 1) distribution associated with various size fractions
De Linares, C; Nieto, D; Alba, F; Díaz de la Guardia, C
University of Granada, Botany Department, Granada, Spain
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242 Profile of allergen pollen reactivity in patients sensitised to Olea pollen
Corominas, M; Lleonart, R; Martín, C; De la Torre, F
1Hospital Universitari de Bellvitge, Allergology, L'Hospitalet de Llobregat, Spain; 2Research and development, ALK-Abello, Madrid, Spain

243 Comparison of the characteristics and allergenicity of fresh and commercialised Phleum pratense pollen
Abou Chakra, O; Rogerieux, F; Senechal, H; Peltre, G; Lacroix, G
1INERIS, Experimental Toxicology Department, Verneuil en Halatee, France; 2INERIS, Experimental Toxicology Department, Verneuil-en-Halatte, France; 3ESPCI - INSERM, LECA, Paris, France; 4ESPCI - CNRS, LECA, Paris, France

244 Foreign allergenic pollen. Some cases observed in Catalonia (NE Spain) and Tenerife (Canary islands)
Belmonte, J; Alarcón, M; Ávila, A; Izquierdo, R; Cuevas, E
1Universitat Autònoma de Barcelona, Unitat de Botànica/ICTA, Bellaterra (Cerdanyola del Vallès), Spain; 2Universitat Politécnica de Catalunya, Física i Enginyeria Nuclear, Vilanova i la Geltrú, Spain; 3Universitat Autònoma de Barcelona, CREAF, Bellaterra (Cerdanyola del Vallès), Spain; 4Instituto Nacional de Meteorología, Observatorio Atmosférico de Izaña, Santa Cruz de Tenerife, Spain

245 Season variability in the relationship between grass pollen counts and ICT-based daily hay fever symptom scores in patients with allergic rhinitis: implications for hay fever forecasts
de Weger, L; Beerthuizen, T; Gast-Strookman, J; van der Plas, D; Hiemstra, P; Terreehorst, I; Sont, J
1Leiden Medical University Center, Department of Pulmonology, Leiden, The Netherlands; 2Leiden Medical University Center, Department of Medical Decision Making, Leiden, The Netherlands

Infection & Allergy Interest Group 15.30-17.00

Business Meeting and Session 124/125
Chairpersons:
Christoph Grüber, Germany
Apostolos Bossios, Sweden
Infections & Allergy, Where We Are Now?
Stephen Holgate, United Kingdom

Satellite Symposium – Leti 17.30-19.00

RUSH Preseasonal Immunotherapy with Depigmented and Polymerised Allergen Extracts 116
Chairperson:
Victoria Cardona, Spain
Douglas Robinson, United Kingdom
Immunological response after treatment with depigmented and polymerised allergen extracts
Jerónimo Carnés, Spain
Overview of clinical data
Antonio Nieto, Spain
Efficacy and safety of a rush preseasonal immunotherapy with depigmented and polymerised allergen extracts
Randolf Brehler, Germany
Discussion

Satellite Symposium – Uriach 17.30-19.00

Towards Improving Allergy Control: Beyond Anti-Histamine Effects 115
Chairpersons:
Glennis Scadding, United Kingdom
Ignacio Ansotegui, Spain
Welcome and introduction
Glennis Scadding, United Kingdom
Ignacio Ansotegui, Spain
New insights about multifunctional mediators in the allergic cascade
Walter Canonica, Italy
Mainstays of symptom control in allergic rhinitis
Jean Bousquet, France
Quality of life in allergic rhinitis: new tools
Joaquin Sastre, Spain
Modern treatment options and clinical expectations in urticaria
Marcus Maurer, Germany

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**Discussion and concluding remarks**
Glenis Scadding, United Kingdom
Ignacio Ansotegui, Spain

**Satellite Symposium – Schering-Plough 17.30-19.00**

**Management of Histamine-Mediated Allergic Disease**

- Welcome and Introduction
  Ulrich Wahn, Germany
- Management of atopic disease
  Ulrich Wahn, Germany
- Contemporary thinking in chronic urticaria management
  Torsten Zuberbier, Germany
- Treatment of allergic rhinitis within current ARIA guidelines
  Claus Bachert, Belgium
- Question & Answer
  Claus Bachert, Belgium

**Satellite Symposium – Phadia 17.30-19.00**

**Allergens, Sensitisation and Clinical Disease**

The PhARF Award will be presented after this symposium.

- Chairperson:
  Gideon Lack, United Kingdom
- Allergen exposure and sensitisation in relation to risk of evolving allergic disease
  Catarina Almqvist, Sweden
- Allergenic potency and cross-reactivity of food and pollen
  Heimo Breiteneder, Austria
- Allergen components as tools to distinguish between different types of allergic reactivity
  Riccardo Asero, Italy
- Development of allergy and tolerance assessed in the individual patient
  Kirsten Beyer, Germany

**Satellite Symposium – HAL Allergy Group 17.30-19.00**

**SIT from Past to Present – A Practical Approach E1**

- Chairperson:
  Josep Torres-Rodriguez, Spain
- History of immunotherapy
  Karl-Christian Bergmann, Germany
- Allergoids in mite allergy – first results of a DBPC study
  Herbert Riechelmann, Austria
- Vitamin D – new adjuvant in SIT?
  Wytske Fokkens, The Netherlands
- New cluster strategies in SIT - comparison of different dosage schemes with an allergoid
  Oliver Pfaar, Germany

**Satellite Symposium - Allergy Therapeutics 17.30-19.00**

**Adjuvanted Specific Immunotherapy from First Steps to the Future**

- Welcome and chair’s introduction
  Emilio Alvarez-Cuesta, Spain
- Seasonal allergic rhinitis: immunotherapy in day to day clinical practice
  Lawrence Dubuske, United States
- Immunological adjuvants in specific immunotherapy: MPL and TLR signalling
  Ludger Klimek, Germany
- Evolution of clinical trial design in seasonal allergic rhinitis: do we need holistic outcome measures?
  Friederich Horak, Austria
- G301: prospective evaluation of a grass allergen uSCIT in the 2007 pollen season
  Anthony Frew, United Kingdom
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- **Allergy, Asthma and Sports Interest Group** 17.30-19.00
  
  **Business Meeting and Session**
  
  Chairpersons:
  André Moreira, Portugal
  Ted Popov, Bulgaria

  **Mechanisms of Asthma in Elite Athletes**
  Tari Haahtela, Finland

- **JMA Forum** 17.30-19.00
  
  **Urticaria and Anaphylaxis - The Hot Spots in Allergy**
  
  Chairpersons:
  Michael Rudenko, Russian Federation
  Maria Xatzipsalti, Greece

  **Urticaria in childhood**
  George Konstantinou, Greece

  **Drug allergy: from rash to collapse**
  Joanna Makowska, Poland

  **Hot topics in anaphylaxis**
  Rodrigo Rodrigues Alves, Portugal

- **JMA Poster Discussion** 19.00-22.30
  
  **Underground walkway**
  
  Chairperson:
  Luis Miguel Borrego, Portugal

  The JMA poster session is aimed to promote the work of the juniors in an informal atmosphere. Posters are exclusively presented by juniors in form of poster walk with junior and senior chairpersons. Poster prizes will be awarded for outstanding abstracts and poster presentations. The prizes will be announced during this session.

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