<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:15am</td>
<td>Welcome word</td>
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<tr>
<td>8:30-10am</td>
<td><strong>Pathways leading to atopic diseases and atopic multimorbidity</strong></td>
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<td>• New risk loci associated with atopic multimorbidity Florence DEMENAIS (France)</td>
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<td>• Atopic phenotypes and their implication in the atopic march Adnan CUSTOVIC (UK)</td>
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<td>• Mechanisms underlying allergy and asthma at a molecular level: results from MeDALL studies Erik MELEN (Sweden)</td>
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<tr>
<td>10-10:30am</td>
<td>Coffee-Break and poster sessions + visit of the exhibition area</td>
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<tr>
<td>10:30-10:50am</td>
<td><strong>Latest updates on allergy diagnosis</strong></td>
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<td>Ignacio ANSOTEGUI (Spain)</td>
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<tr>
<td>10:30-10:50am</td>
<td><strong>Food allergy prevention</strong></td>
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<td>Kirsten BEYER (Germany)</td>
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<td>10:30-10:50am</td>
<td><strong>New pathways in environmental allergies</strong></td>
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<td>Frédéric DE BLAY (France)</td>
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<tr>
<td>10:50-12:00am</td>
<td><strong>Sister Society symposia</strong></td>
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**OC 1**: Molecular allergy to Aspergillus fumigatus in distinguished diagnosis between allergic bronchopulmonary aspergillosis and Aspergillus fumigatus-sensitized asthma in a Southern Chinese Cohort
**Wenting Luo - The First Affiliated Hospital of Guangzhou Medical University – Guangzhou, China JM**

**OC 2**: Novel method for assessing basophil activation by measuring altered expression of membrane-bound and intracellular basogranulin stores
**Mohammad ALZAHRANI - Al-Baha**

**OC 6**: The impact of cow’s milk allergy in infants with failure to thrive: Experience from an Italian Referral Center
**Lucia Diaperio - Aldo Moro University of Bari - Bari, Italy JM**

**OC 7**: Analysis of 10 cases of food protein-induced enterocolitis syndrome due to hen’s egg
**Makoto Nishino - Department of Pediatrics, NHO Sagamihara National Hospital - Sagamihara, Japan JM**

**OC 8**: The presence of both hen’s egg Ovalbumin allergen and Ovalbumin specific
**OC 11**: Characterization of the allergenic properties of a pi-class glutathione transferase from Ascaris suum
**Ana Lozano - Institute for Immunologic al Research, University of Cartagena - Cartagena, Colombia JM**

**OC 12**: Identification of a new, no cross-reacting allergen from Ascaris lumbricoides
**Josefina Zakzuk - University of Cartagena – Colombia JM**

**OC 13**: Association of air pollution with severe ocular allergic inflammatory diseases,
### OC 3: Protein microarrays: The future of allergy diagnosis?
Optimization of coating and printing of allergen arrays used with fluorescent humanised basophil reporter cell line NFAT-DsRed RBL,
Marina KALLI - University of Nottingham, United Kingdom

### OC 4: RNA sequencing profiling potential biomarkers for nut allergy,
Khui Hung LEE - Curtin University of Technology, Bentley, Western Australia

### OC 5: Immunoglobulin in breastmilk is associated with decreased risk of egg allergy in infants,
V. Verhasselt - University of Western Australia, Australia

### OC 9: Toll-like receptor signaling has inverted U-shaped response over time with the Western environment,
J. Guon - Curtin University - Australia

### OC 10: Dai MIYAZAKI, - Tottori University, Japan

### OC 14: Climate change impact on pollen concentrations and air pollution,
Mikhail SOFIEV - Finnish Meteorological Institute, Finland

### Lunch symposia

**STALLERGENES GREER**

**ALK**

**ASTRAZENECA**

### 1:45-2:30pm
Coffee-Break and poster sessions + visit of the exhibition area

### 2:30 – 4pm
ILC2 and asthma: what’s new?
- ILC2 and severe asthma Anne TSICOPoulos (France)
- Neuro immune crosstalk in allergic lung inflammation Vijay KUCHROO (USA)
- Negative regulators of ILC2 in asthma Jenny MJÖSBERG (Sweden)

### 4-4:30pm
Coffee-Break and poster sessions + visit of the exhibition area
<table>
<thead>
<tr>
<th>4:30-4:50pm</th>
<th>Origins of asthma - genesis</th>
<th>Latest updates on pediatric drug allergy</th>
<th>Latest updates on allergen immunotherapy</th>
<th>Sister Society symposia</th>
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<tbody>
<tr>
<td></td>
<td>Luis CARABALLO (Colombia)</td>
<td>Jean-Christoph CAUBET (Switzerland)</td>
<td>Moises CALDERON (UK)</td>
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<td><strong>OC 16</strong></td>
<td>Antibiotic use in the first year of life as a risk factor for asthma symptoms. What is new in the association?</td>
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<td>Estefanía Vasquez-Echeverri - Hospital Infantil de México Federico Gomez, Mexico City, Mexico <strong>JM</strong></td>
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<td><strong>OC 17</strong></td>
<td>Metabolic risk profile and risk of future asthma: a nationwide cohort study</td>
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<td>Dong Keon Yon - CHA Bundang Medical Center, Seongnam - South Korea <strong>JM</strong></td>
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<td><strong>OC 18</strong></td>
<td>Gene signatures of responders vs. non-responders to inhaled endotoxin challenge</td>
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<td>David PEDEN - University of North Carolina - United States</td>
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<td><strong>OC 19</strong></td>
<td>We are what we experienced before birth: Lessons from Epigenetics</td>
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<td>Saskia TRUMP, Universitätmedizin Berlin and Berlin Institute of Health - Germany</td>
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<td><strong>OC 20</strong></td>
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<td><strong>OC 21</strong>: There are still gaps in the pre-hospital and hospital management of anaphylaxis in children</td>
<td><strong>OC 26</strong>: The impact of a Clinical Decision Support System on allergen immunotherapy prescription in children and adults with seasonal allergic rhinitis</td>
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<td>Jean-Paul HUBERT - Paediatric department - France</td>
<td>Stefania Arasi - Bambino Gesù Children’s Hospital, IRCCS - Roma, Italy <strong>JM</strong></td>
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<td><strong>OC 22</strong></td>
<td>Mutation of NLRC4 in patients affected by severe FPIES reactions to multiple foods</td>
<td><strong>OC 27</strong>: Basophil activation test is a useful tool for Hymenoptera venom immunotherapy follow-up</td>
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<td>Valentina PECORA - Children’s Hospital Bambino Gesù - Italy</td>
<td>Pascale NICAISE ROLAND - Bichat hospital, Immunology - France</td>
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<td><strong>OC 23</strong></td>
<td>Changes of allergic disease prevalence at the age of 5 years with a 12-year interval</td>
<td><strong>OC 28</strong>: Specific IgG4/IgE response after rapid desensitization to low-dose oral immunotherapy with adjunct omalizumab in multi-food allergic patients</td>
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<td>Chizuko SUGIZAKI - Sagamihara National Hospital - Japan</td>
<td>Sayantani SINDHER - Stanford University - United States</td>
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<td><strong>OC 24</strong></td>
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<td><strong>OC 29</strong>: Pharmacoeconomics of allergy immunotherapy versus</td>
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<td><strong>OC 25</strong></td>
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**Notes:**
- **OC** refers to the session number.
- **JM** indicates a joint meeting.
- Sessions include various topics such as medical research, clinical updates, and symposia.
WAC OPENING

WELCOME RECEPTION

DECEMBER 13

8:00-9:00am
Breakfast Symposium: Thermofisher WAO MA Consensus

9:00-10:30am
Novel therapies in skin allergic diseases
- Small molecules in skin allergic diseases Audrey NOSBAUM (France)
- Biologics in chronic spontaneous urticaria Marcus MAURER (Germany)
- Biologics in atopic dermatitis Thomas BIEBER (Germany)

10:30-11:00am
Coffee-Break and poster sessions + visit of the exhibition area

11:00-11:20am
Latest updates on biomarkers and new therapeutics for severe asthma management
Arnaud BOURDIN (France)

New strategies to fight food allergies
Alessandro FIOCCHI (Italy)

Latest updates in multiple organ allergy involvement
Jocelyne JUST (France)

Sister Society symposia

11:20-12:30am
OC 31: Clinical-economic impact of mepolizumab in patients with

OC 36: Novel dosing strategy of omalizumab during multi-

OC 41: Differences in allergen-positive reactivity distribution
severe hypereosinophilic asthma
Diego Bagnasco - University of Genoa - Genoa, Italy

**OC 32**: Astonishing low adherence to inhaled therapy characterizes patients with severe asthma treated with biologics
Marco Caminati - Verona University Hospital, Verona - Italy

**OC 33**: Efficacy of Mepolizumab in patients with previous Omalizumab treatment failure: real life observation,
G. Passalaqua - University of Genoa - Italy

**OC 34**

**OC 35**

allergen oral-immunotherapy
Sayantani B. Sindher - Stanford University Stanford, CA, - USA

**OC 37**: Oral immunotherapy for peanut allergy: a systematic review and meta-analysis
Derek Chu - McMaster University, Hamilton - Canada

**OC 38**: IgE Immunoapheresis for Treatment of Pediatric Patients with Severe Asthma and Multiple Food Anaphylaxis: a Pilot Study,
Alessandro Fiocchi, Bambino Gesù Children's Hospital, Italy

**OC 39**

**OC 40**

among adults and children in southern China: an investigation based on real-world medical big data,
Haisheng HU - First Affiliated Hospital of Guangzhou Medical University - China

**OC 42**: Atopy phenotypes in relation to childhood asthma persistence,
Helena PITE - Allergy Center, CUF Descobertas Hospital, CUF Infante Santo Hospital - Portugal

**OC 43**: Pollen food associated syndrome: the newly described Gibberellin Regulated Protein family,
Pascal PONCET - Institut Pasteur, France

**OC 44**

**OC 45**

12.45-2:00pm
Lunch symposia

2:15-3:00pm
Coffee-Break and poster sessions + visit of the exhibition area
### 3:00 – 4:30pm

**Drug hypersensitivity: a need for consensus**
- Delayed allergic reactions Annick BARBAUD (France)
- Betalactam antibiotics Maria TORRES (Spain)
- Radio contrast media Mario SANCHEZ BORGES (Venezuela)

**World Allergy Forum: Advances and Critical Issues in Asthma**
- Mechanisms of allergen-induced asthma Luis CARABALLO (Colombia)
- Overuse of corticosteroids in asthma Giorgio WALTER CANONICA, (Italy)
- Biological treatments in asthma Eugene R. BLEECKER, (USA)

### 4:30-5:00pm

Coffee-Break and poster sessions + visit of the exhibition area

### 5:00-5:20pm

**Food allergy diagnosis and management**
- Motohiro EBISAWA (Japan)

**Profiling reactions to chemotherapy and biologics**
- Victoria CARDONA (Spain)

**New approaches in anaphylaxis management**
- Luciana KASE TANNO (France)

### 5:20-6:30pm

**OC 46**: Anaphylaxis caused by lipid transfer proteins: an emerging and unsettling syndrome
- Filipe Benito-Garcia - CUF Descobertas Hospital, Lisbon, Portugal

**OC 47**: Randomized controlled trial of oral immunotherapy for children with severe cow's milk allergy: heated milk vs. unheated

**OC 51**: Tolerance of iodixanol, a nonionic, isosmolar contrast agent in case of immediate hypersensitivity reactions to radioccontrast media,
- Hélène Mascitti - Allergy Service, Tenon Hospital, AP-HP, Paris-Sorbonne University, France

**OC 52**: Immediate hypersensitivity to iodinated contrast media: interest of

**OC 56**: Anaphylaxis in primary care: Systematic review to support quality of management and optimization of healthcare pathways
- Myriam Mamodaly - Montpellier University Hospital, Montpellier, France

**OC 57**: An Audit on Schools' Policy Regarding Emergency
OC 48: Ara h 6-specific IgE is a good predictor of peanut allergy in Japanese children, *Ken-ichi Nagakura* - National Hospital Organization Sagamihara National Hospital, Kanagawa, Japan

OC 49: Highlighting of allergens found in edible crickets (ornithachris turbida cavroisi) from Niger using 2D western blot, *Tahirou Hamidou* - Lamordé hospital of Niamey, Niger

OC 50: Advances in alpha gal allergy, *Michael Levin* - University of Cape Town, South Africa

OC 51: Intravenous challenge test with low dose in addition of skin-testing, *Sébastien Lefèvre* - Metz Regional Hospital, France

OC 52: Adrenaline Auto-Injector Use and Provision of Spare Pens in the East and North Hertfordshire Region of the UK, *Michael Ha* - Lister Hospital, Stevenage, UK

OC 53: The distribution of diagnoses of anaphylactic syndromes in the search for idiopathic anaphylaxis over a 15 years period at an academic medical center, *P. Greenberger* - Northwestern University Feinberg School of Medicine, United States

OC 54: Food-induced anaphylaxis phenotype in infancy: a retrospective analysis, *G. Pouessel* - Department of Pediatrics, France
**Breakfast symposium**

8:00-9:00am

**Climate change, air pollution and health impact of airborne biological particles**

- Climate change and its direct and indirect effects on the allergy epidemic
  Isabella ANNESI-MAESANO (France)
- Climate change: consequences on pollination and sporilation
  Jeroen BUTERS (Germany)
- Thunderstorm asthma, not only pollens but also mold
  Gennaro D’AMATO (Italy)

10:30-11:00am

**Coffee-Break and poster sessions + visit of the exhibition area**

11:00-11:20am

**Latest updates in Drug Allergy**

Didier EBO (Belgium)

**Latest updates on upper respiratory tract allergies**

Philippe GEVAERT (Belgium)

**Understanding the pathophysiology of asthma**

Hamida HAMMAD (Belgium)

**Sister Society symposia**

**OC 61:** Incidence of and risk factors for perioperative and periprocedural anaphylaxis in the United States
Alexei Gonzalez-Estrada - Mayo Clinic, Jacksonville, FL, USA JM

**OC 62:** Drug allergy in primary care: systematic review to support quality of management and optimization of healthcare pathways
Clara Gaudin – Montpellier, University Hospital, Montpellier, France JM

**OC 63:** Desensitization to penicillin is safe and effective in allergic pregnant women with syphilis,

**OC 66:** Phenotypes of allergic rhinitis: the application of stratified and personalized medicine in the rhinitis field
Irina Shchurok - Novicau, Vitebsk, Belarus JM

**OC 67:** What did the doctor say? Patients’ comprehension of allergy consultations in a French university hospital
Marcin Trzmielewski - Montpellier University Hospital, Montpellier, France JM

**OC 68:** Dupilumab Improves Upper and Lower Airway Outcome Measures in Patients With CRSwNP With NSAID-ERD:

**OC 71:** The role of polypropenol in overcoming steroid insensitivity in asthma
Ivans Sergejs Kuznecovs - Public Health Research Laboratory, Riga, Latvia JM

**OC 72:** To study the role of T regulatory cells in developing asthma in a birth cohort of babies with family history of allergies
Amit Agarwal - Postgraduate Institute of Medical education and Research, Chandigarh, India JM

**OC 73:** ADAM33 in Bulgarian children with severe asthma
Polina Shahid - Medical University,
Pedro Giavina Bianchi - Universidade de São Paulo, Brazil

**OC 64:** NMBA-specific memory T cell quantification by CD154 expression in anaphylaxis diagnosis,
Luc de Chaisemartin - Bichat Hospital, Immunology, France

**OC 65:**

Sofia, Bulgaria JM

**OC 74:** Regulatory and Angiogenic Novel B cell Subsets,
M. Akdis - Swiss Institute of Allergy and Asthma Research (SIAF), Switzerland

**OC 75:** IL-17-producing Mucosal-Associated Invariant T (MAIT) cells are associated with worsening of symptoms in children with severe asthma,
Maria Leite-de-Morales - Paris Descartes University Sorbonne Paris Cité, France

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**12:45-2:00pm**

**Lunch symposia**

- Symposium with Lunchboxes
- Symposium with Lunchboxes
- Symposium with Lunchboxes

**2:15-3:00pm**

Coffee-Break and poster sessions + visit of the exhibition area

**3:00-3:20pm**

- Cross talk between allergic responses
  - Erika JENSEN-JAROLIM
- Latest updates on microbiota and allergy interactions
- Latest updates on spontaneous chronic urticaria and atopic
- Sister Society symposia
**OC 76**: A novel mechanism of IgE regulation by IgE-allergen complexes via CD23
Manique Vogel - University of Bern, Switzerland

**OC 77**: Optimal TH2A effector function requires local epithelial cytokine signaling
Erik Wambre - Benaroya Research Institute, United States

**OC 78**: TGM2+ IFN-gamma secreting circulating innate lymphoid cell precursors (ILCPs) are enhanced in children with celiac disease
Sara Trabanelli - Department of Oncology UNIL CHUV and Ludwig Institute for Cancer Research, University of Lausanne, Switzerland

**OC 79**: miR103a-3p in exosomes derived from human mast cells (MCs) following aggregation of FceRI enhances IL-5 production from IL-33-stimulated type2 innate lymphoid cells (ILC2) via silencing protein arginine methyltransferase (PRMT)

**OC 81**: The early life trajectory of infant gut microbiota and atopic asthma at 10 years-of-age in a US birth cohort
Christine Johnson - Henry Ford Health System, USA

**OC 82**: Circulating neutrophil and eosinophil extracellular traps are markers of severe asthma
Luc de Chaisemartin - APHP - Bichat Hospital, Immunology, France

**OC 83**: Circulating B cells upregulate antiviral response and carry viral particles after experimental rhinovirus infection of healthy and asthmatic subjects
Mübeccel Akdis - Swiss Institute of Allergy and Asthma Research (SIAF), Suisse

**OC 84**: Modern urbanization has reshaped the bacterial microbiome profiles of house dust in domestic environments
Yifan Shan - School of Public Health, Xinxiang Medical University. China

**OC 85**: Gut microbiota profile in infants with milk and/or egg

**OC 86**: Supporting the optimization of health-care pathways of and reduction of the burden of urticaria to patients and society: a systematic review
Evangéline Clark - Montpellier University Hospital, Montpellier, France

**OC 87**: Dolichyl phosphate deficiency and polypropenol supplementation in the treatment of atopic dermatitis
Galina Kuznecova - Public Health Research Laboratory, Riga, Latvia

**OC 88**: Economic burden of chronic urticaria in Brazil: a one-year real life study
Priscilla Santos - Hospital Universitário Pedro Ernesto/Universidade do Estado do Rio de Janeiro, Brazil

**OC 89**: Staphylococcus dysbiosis correlates of success of treatment of atopic dermatitis with the JAK/SYK inhibitor ASN002
Avidan Neumann - Institute Environmental Medicine (IEM), Helmholtz Center Munich, Germany
| Yoshimichi Okayama - Nihon University School of Medicine, Japan | allergy and evaluation of intestinal colonization and persistence of a probiotic mixture, Maurizio Mennini - Division of Allergy, Bambino Gesù Children’s Hospital IRCCS, Italy | OC 90 |

4:30pm

END OF THE CONFERENCE