WISC 2016

WAO INTERNATIONAL SCIENTIFIC CONFERENCE 2016
6-9 December 2016
Jerusalem, Israel

Outstanding Allergy, Clinical Immunology and Cultural Heritage

Conference Secretariat

World Allergy Organization
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Local Professional Conference Organizer

1 Nirim street, POB 9352
Tel Aviv, Israel 6109202
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www.worldallergy.org/wisc2016
Welcome to WISC 2016!

Dear Colleagues and Friends,

We warmly welcome you to Jerusalem, Israel!

The 2016 Conference on Outstanding Allergy, Clinical Immunology and Cultural Heritage will provide a forum for the most useful combination of latest research, review of current theory and practice, and hands-on, problem-based learning. Our aim is that you will gain insight into the most effective advances in the diagnosis and management of complex and severe allergies and asthma and in their preventative strategies.

The WAO International Scientific Conference has grown and evolved from one edition to the next and is built on the hugely successful preceding Conferences in Dubai, United Arab Emirates (2010), Hyderabad, India (2012) and Rio de Janeiro, Brazil (2014).

Jerusalem, the capital of Israel, is a city that is steeped in history, faith, and tradition. The unique insights and perspectives found here have turned this historic city into a modern urban center that mixes numerous cultures, foods, and lifestyles. Today Jerusalem is a diverse and timeless metropolis that will help frame our experience as we learn and network together.

Welcome to WISC 2016!
World Allergy Organization

The World Allergy Organization (WAO) is an international alliance of 97 regional and national allergy, asthma and clinical immunology societies. Through collaboration with the Member Societies, WAO provides a wide range of educational and outreach programs, symposia and lectureships to allergists/immunologists around the globe and conducts initiatives relating to clinical practice, service provision, and physician training in order to better understand and address the challenges facing allergists/immunologists worldwide.

Israel Association for Allergy and Clinical Immunology

The Israel Association for Allergy and Clinical Immunology (IAACI), founded in 1949, is a non-profit association, with a mission to promote education, good clinical practice and research in a wide spectrum of allergic and immune mediated diseases in Israel, under the umbrella of the Israel Medical Association (IMA). The IAACI is dedicated to promoting collaborations between Allergists/Clinical Immunologists and physicians from other disciplines in Israel, aiming to expand knowledge and improve patient care. This is achieved by promoting joint meetings and producing Israeli collaborative recommendations on various topics.

Allergists for Israel

Allergists for Israel (AFI) was founded in 1984 and the evolving vision of the group is to develop camaraderie of Allergists/Immunologists and other supporters of allergy by gathering in the USA, Israel and around the world. AFI strives to establish collegial relations between America and Israel.

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About WAO

MISSION
WAO’s mission is to be a global resource and advocate in the field of allergy and clinical immunology advancing excellence in clinical care through education, research and training as a worldwide alliance of allergy, asthma and clinical immunology societies.

WAO MEETINGS
WORLD ALLERGY CONGRESS™ (WAC)
WAO hosts the World Allergy Congress™ (WAC) – its main global scientific meeting – biennially in different regions of the world. Please join us in Orlando, FL, USA from 2-5 March 2018 as we partner with the American Academy of Allergy, Asthma and Immunology (AAAAI).

WAO INTERNATIONAL SCIENTIFIC CONFERENCE (WISC)
In 2010, WAO launched its theme-based Scientific Conference alternating with and complementing WAO’s biennial World Allergy Congress. The WISC provides a forum for the most useful combination of the latest research, review of current theory and practice, and hands-on, problem-based learning.

WAO SYMPOSIA
In 2013, WAO launched its theme-specific Symposia. WAO Symposia offer insights into the most recent advances and breakthroughs in medical science and clinical care related to a specific area of allergic disease or asthma. Please join us for the WAO Symposium on Hot Topics in Pediatric Allergy and Regulatory Affairs in Rome, Italy 27-29 April 2017 and the WAO Symposium on Mite Allergy: From Basics to Clinical Applications taking place in Cartagena, Colombia 6–9 September 2017.

ADDITIONAL WAO INITIATIVES
WORLD ALLERGY ORGANIZATION JOURNAL (WAO JOURNAL)
The World Allergy Organization Journal (WAO Journal) provides a global forum for the exchange of research and information on allergy, asthma, and clinical immunology. The WAO Journal supports scientific interaction among members of the World Allergy Organization and the global medical community through publication of original research, clinical reviews, position papers, and epidemiological studies that contribute to current knowledge in patient care. Authors and reviewers represent all geographic regions, providing a truly global perspective. www.waojournal.org

WORLD ALLERGY FORUM® (WAF)
The World Allergy Forum® (WAF) brings innovative symposia to major allergy meetings throughout the world. Developed by international expert advisory panels, the symposia provide presentations with the newest information on scientific and clinical developments in the field of allergy and clinical immunology. WAF is the longest running educational program series sponsored by WAO and currently provides two or three placements a year with up to 1,000 attendees at each program. View presentations for free at http://www.worldallergy.org/education-and-programs/programs/world-allergy-forum.

EMERGING SOCIETIES PROGRAM (ESP)
Advancing the WAO mission of supporting developments that enable allergists to better serve patients now and in the future, the Emerging Societies Program (ESP) disseminates information and best practices on new treatments for allergic diseases and new indications for available therapies. As a response to an area of need identified by ESP Delegates, the ESP has started to offer World Allergy Training Schools (WATS), held in partnership with the American College of Allergy, Asthma and Immunology (ACAAI), in various regions of the world. View all ESP activities at www.worldallergy.org/education-and-programs/programs/emerging-society-program

WORLD ALLERGY WEEK
In conjunction with its member societies, WAO hosts World Allergy Week annually as a global effort to disseminate information of worldwide importance about allergic and immunologic diseases and asthma. It is also a vehicle for advocacy, drawing attention to the need for resources, especially in areas where unmet needs are great. WAO develops and distributes a variety of resources online. WAO leaders and member societies host a wide spectrum of educational and public relations activities for physicians, general public and policymakers that focus on the global importance of the disease subject as well as its regional and local concerns. The next World Allergy Week will be held 2–8 April 2017 on the topic of: “The Agony of hives: What to do when hives and swelling don’t go away.” Watch for updates and view past activities at www.worldallergyweek.org

WAO ONLINE RESOURCES
As a leading global online destination for allergy, asthma and clinical immunology the WAO website supports and enhances WAO educational activities and provides access to medical news, reference databases, clinical resources, and a wide range of materials specifically designed for continuing medical training.

Popular resources include:
- Specially commissioned educational synopses (“Disease Summaries”) on major topics posted in the Allergic Diseases Resource Center
- WAO TV – informative updates from experts on hot topics in allergy and clinical immunology medicine
- Evidence-based allergy: Pre-defined and complete medical literature searches for easy review and assessment in EndNote format
- Interactive case reports that challenge allergists to diagnose unusual cases
- Online lectures and recorded symposia on major diseases and co-morbidities in asthma and allergy
- Self-paced online learning modules on basic science and clinical care topics including many programs offering continuing medical education credit
- Monthly summaries of newly published articles of importance to practitioners who see patients with allergic diseases and asthma

The WAO website is HONcode certified. www.worldallergy.org
WAO Member Societies

MEMBER SOCIETIES
Albanian Society of Allergology and Clinical Immunology
American Academy of Allergy, Asthma and Immunology
American College of Allergy, Asthma and Immunology
Argentine Association of Allergy and Clinical Immunology
Argentine Society of Allergy and Immunopathology
Armenian Association of Immunology and Allergy
Austrian Society of Allergology and Immunology
Azerbaijan Society for Asthma, Allergy and Clinical Immunology
Bangladesh Society of Allergy and Immunology
Belarus Association of Allergology & Clinical Immunology
Belgian Society of Allergology and Immunology
Brazilian Society of Allergy and Immunopathology
British Society for Allergy and Clinical Immunology
Bulgarian National Society of Allergology
Canadian Society of Allergy and Clinical Immunology
Chinese Society of Allergology
Colombian Allergy, Asthma, and Immunology Association
Croatian Society of Allergology and Clinical Immunology
Cuban Society of Allergy, Asthma and Clinical Immunology
Czech Society of Allergology and Clinical Immunology
Danish Society for Allergology
Dutch Society of Allergology
Ecuadorian Society of Allergy, Asthma, and Immunology
Egyptian Society of Allergy and Clinical Immunology
Egyptian Society of Pediatric Allergy and Immunology
Finnish Society of Allergology and Clinical Immunology
French Society of Allergology
Georgian Association of Allergology and Clinical Immunology
German Society for Allergology and Clinical Immunology
Guatemalan Allergy, Asthma and Clinical Immunology Association
Hellenic Society of Allergology and Clinical Immunology
Honduran Society of Allergy and Clinical Immunology
Hong Kong Institute of Allergy
Hungarian Society of Allergology and Clinical Immunology
Icelandic Society of Allergy and Immunology
Indian Academy of Allergy
Indian College of Allergy, Asthma and Applied Immunology
Indonesian Society for Allergy and Immunology
Iranian Society of Asthma and Allergy
Israel Association of Allergy and Clinical Immunology
Italian Association of Territorial and Hospital Allergists
Italian Society for Allergology and Clinical Immunology
Japanese Society of Allergology
Jordanian Society for Allergy and Clinical Immunology
Allergy Society of Kenya
Korean Academy of Allergy, Asthma and Clinical Immunology
Kuwait Society of Allergy and Clinical Immunology
Latvian Association of Allergists
Lebanese Society of Allergy and Immunology
Malaysian Society of Allergy and Immunology
Mexican College of Allergy and Clinical Immunology
Mexican College of Pediatricians Specialized in Allergy and Clinical Immunology
Moldavian Society of Allergology & Immunology
Mongolian Society of Allergology
Moroccan Society of Allergology and Clinical Immunology
Norwegian Society of Allergology and Immunopathology
Panamanian Association of Allergology and Clinical Immunology
Paraguayan Society of Immunology and Allergy
Peruvian Society of Allergy and Immunology
Philippine Society of Allergy, Asthma and Immunology
Polish Society of Allergology
Portuguese Society of Allergology and Clinical Immunology
Romanian Society of Allergology and Clinical Immunology
Russian Association of Allergology and Clinical Immunology
Serbian Association of Allergologists and Clinical Immunologists
Allergy and Clinical Immunology Society (Singapore)
Slovenian Association for Allergology and Clinical Immunology
Allergy Society of South Africa
Spanish Society of Allergology and Clinical Immunology
Allergy & Immunology Society of Sri Lanka
Swedish Association for Allergology
Swiss Society of Allergology and Immunology
Taiwan Academy of Pediatric Allergy Asthma Immunology
Allergy, Asthma and Immunology Society of Thailand
Tunisian Society of Respiratory Diseases and Allergology
Turkish National Society of Allergy and Clinical Immunology
Ukrainian Allergists Association
Ukrainian Association of Allergologists and Clinical Immunologists
Uruguayan Society of Allergology
Venezuelan Society of Allergy, Asthma, and Immunology
Vietnam Association of Allergy, Asthma and Clinical Immunology
Zimbabwe Allergy Society

REGIONAL ORGANIZATIONS
Asia Pacific Association of Allergy, Asthma and Clinical Immunology
Asia Pacific Association of Pediatric Allergy, Respiriology and Immunology
Commonwealth of Independent States (CIS Society)
European Academy of Allergy and Clinical Immunology
Latin American Society of Allergy, Asthma and Immunology

AFFILIATE MEMBERS
British Society for Immunology
Global Allergy and Asthma European Network (GA2LEN)
International Association of Asthmology (INTERASMA)
International Primary Care Respiratory Group
Southern European Allergy Societies

ASSOCIATE MEMBERS
National Association for Private Algerian Allergists
Dominican Society of Allergy, Asthma, and Immunology
Haitian Society of Allergy and Immunology
Save the Date

AAAAAI/WAO Joint Congress
2-5 March 2018
ORLANDO, FLORIDA USA

American Academy of Allergy Asthma & Immunology
WORLD ALLERGY ORGANIZATION
Welcome to Jerusalem!

Jerusalem is a city that transcends time and history comes to life. For thousands of years Jerusalem has been a central city in the religious, social, and economic lives of so many people and even today this can be felt, heard, and seen throughout the city’s Old Town, which is home to the Western Wall, Church of the Holy Sepulcher, and the Dome of the Rock. Outside the light colored stones that encircle the Old Town is modern Jerusalem, which provides visitors a vibrant social life and modern amenities. The capital of Israel offers historic opportunities, religious experiences, arts, bustling markets, splendid views, and incredible food. It’s easy to see why those living in this city say every stone in Jerusalem tells a wondrous story!
International Archives of Allergy and Immunology provides a forum for basic and clinical research in modern molecular and cellular allergology and immunology. Appearing monthly, the journal publishes original work in the fields of allergy, immunopathology, immunogenetics, immunopharmacology, immunoendocrinology, tumor immunology, mucosal immunity, transplantation and immunology of infectious and connective tissue diseases.

In addition to original papers it features short communications, reviews, minireviews, commentaries and opinions. Supported by online submission and peer-review systems, a team of internationally renowned and committed editors guarantees a fair review process, high scientific quality and fast dissemination of significant and novel work.

Benefits for Authors

• Cost-effective publishing (no submission fee and no page charges for papers of 5 or fewer printed pages)
• Free online color figures
• Rapid and fair peer-review process
• Full listing in all relevant bibliographic databases (PubMed/MEDLINE, Web of Science, Biological Abstracts, Chemical Abstracts, etc.)
• Impact Factor: 2.677
• Author’s choice for open access publishing

International Archives of Allergy and Immunology welcomes your contribution …
ABSTRACTS & POSTER SESSIONS
Accepted abstracts that were submitted for WISC 2016 have been placed in Poster Sessions on 6-8 December. Abstract numbers are listed to the left of the abstract title in this Final Program.

Poster Sessions are held in Pincus Hall Foyer in the Convention Center on 6, 7 and 8 December. Please check the Scientific Program schedule for exact times. Presenting Authors will stand next to their posters and be available for discussion and questions. For the complete listing and schedule of Abstracts please refer to this Final Program beginning on page <#>.

The abstract number, which is listed to the left of the abstract title in this Final Program, will also appear on the poster board in the Poster Hall.

OUTSTANDING ABSTRACT AWARDS
Abstracts that scored highly are awarded the WISC 2016 Outstanding Abstract Award. Awards will be presented on Thursday, 8 December in Pincus Hall Foyer beginning at 12:30.

BADGES & RIBBONS
Each participant receives a name badge upon check-in at the Registration Desk at the Convention Center. The name badge is the official Conference document and should be worn at all times in order to gain entry to the Conference session rooms and other events. Please note that access to any of the Conference areas or events is not possible without an official name badge.

In order to comply with security requirements, participants are expected to wear their name badge at all times in all areas. If you lose your name badge, a new one may be purchased at the Registration Desk in the Convention Center for $75 USD / ILS 300. You must have photo identification.

Ribbons are available near the Registration Desk in the Convention Center.

CERTIFICATE OF ATTENDANCE AND CONFERENCE EVALUATION
You will receive an email which will include a link to access the certificate of attendance and Conference evaluation post-conference; the Conference evaluation must be completed in order to access the certificate of attendance.

The same evaluation and certificate of attendance will be available on the WAO website after the Conference.

CONTINUING MEDICAL EDUCATION (CME) AND CONTINUING EDUCATION (CE) CREDITS
The WAO International Scientific Conference (WISC) 2016 is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the below CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS). www.uems.net.

The WAO International Scientific Conference (WISC) 2016 is designated for a maximum of 21 hours of European external CME credits. Each medical specialist should claim only those hours of credit that she or he actually spent in the educational activity.

DIVISION OF CREDITS
Tuesday, 6 December:  6 hours
Wednesday, 7 December:  6 hours
Thursday, 8 December:  6 hours
Friday, 9 December:  3 hours

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

TO RECEIVE CME CERTIFICATE
You will be emailed the link to claim your CME credits. You may log-in using your contact information and the ID number on your badge. You will then be asked to complete a short evaluation of the Conference and indicate which days you attended the Conference. After you have completed these steps, a CME Certificate in PDF format will be available for access. The same evaluation and CME certificate will be available on the WAO website after the Conference.

COFFEE BREAKS
Coffee breaks will take place daily. Please refer to the Daily Schedule for Coffee Break times.

EXHIBIT HALL
A commercial exhibition will take place on the following dates and times and is located in Pincus Hall.

HOURS:
6 December: 15:30 - 20:30
7 December: 10:00 - 16:30
8 December: 10:00 - 15:30

Please view the Exhibit Hall Map and Directory in this Final Program for more information.

GUESTS AND CHILDREN
Guests and children are not allowed to attend any portion of the scientific program or exhibition of WISC 2016. If you would like to bring a guest to the Welcome Reception please refer to the “Social Events” section below.
INFORMATION DESK

Please visit the Information Desk for more information regarding WISC 2016 accommodations, optional tours and airport transfers. The Information Desk is located in the Entrance Hall in the Convention Center.

This desk is staffed by Ortra, Ltd. The World Allergy Organization has appointed Ortra, Ltd. as the PCO and Official Agency handling accommodation, tours and transfers for WISC 2016.

INSURANCE/LIABILITIES AND DISCLAIMER

WAO will not be held liable for personal injuries or for loss of or damage to property incurred by participants or guests at WISC 2016, including those participating in tours and related events. Participants and guests are encouraged to purchase insurance to cover loss incurred in the event of cancellation, medical expenses or damage to or loss of personal effects when traveling outside of their own countries.

WAO cannot be held liable for any hindrance or disruption of WISC 2016 proceedings arising from natural, political, social or economic events or other unforeseen incidents beyond its control. Registration of a participant implies acceptance of this condition.

The materials presented at this continuing medical education activity are made available for educational purposes only. The materials are not intended to represent the only, nor necessarily best, methods or procedures appropriate for the medical situations discussed, but rather are intended to present an approach, view, statement, or opinion of the faculty that may be helpful to others who face similar situations.

LANGUAGE

The official language of the Conference is English. All sessions will be conducted in English.

LOST AND FOUND

Please visit the Registration Desk for any lost and found items.

LUNCH

A boxed lunch will be made available on 6, 7 and 8 December for all registered delegates. Lunch will be available near the Exhibit Hall and Poster Hall from 12:00 - 13:00.

MOBILE PHONE POLICY

Use of mobile phones is strictly prohibited within the Scientific Session rooms. Please ensure that your mobile phone is off or silenced while you are in the Conference venue.

NO SMOKING POLICY

Smoking is not permitted anywhere inside the Convention Center or during any WISC 2016 meeting activity or event.

PARKING

Parking is available at the Convention Center. For more information please see the WISC 2016 Information Desk.

PARKING FEES

- Special full day conference rate: ILS 30. A Parking Sticker is required to receive the special full day conference rate and may be obtained from the WISC 2016 Information Desk. The ticket and sticker should then be inserted into the payment machine prior to exiting, where the discounted full day parking rate will be honored.
- Pre-payment at the parking payment machines is required prior to exit.

PHOTOGRAPHY

By registering to attend WISC 2016, you acknowledge and agree that official photographs taken during the Conference may be used for future WAO meeting promotional purposes and may be shared in the Conference Photo Gallery and post event news updates. Please contact the WAO Secretariat if you have any concerns with this policy.

Photography and videotaping is strictly prohibited in all educational sessions. Violations of this policy will result in removal from the session and possible revocation of meeting registration. Session directors will be closely monitoring such occurrences.

REFUNDS

Refunds cannot be issued onsite.

REGISTRATION & PAYMENTS

HOURS:

Monday, 5 December  15:00 – 19:00
Tuesday, 6 December  07:30 – 19:00
Wednesday, 7 December  07:00 – 17:00
Thursday, 8 December  07:00 – 17:00
Friday, 9 December  07:30 – 12:00

CONFERENCE REGISTRATION INCLUDES:

Types: Delegates, Fellows-in-Training, Allied Health Professional, Students

- Admission to all Scientific Sessions
- Admission to Exhibit Hall
- Admission to Poster Sessions
- Certificate of Attendance
- CME Credits
- Opening Ceremony and Welcome Reception

Daily Registration Badges are also available for purchase at the Registration Desk. Please note the Daily Registration Rate does not include the Opening Ceremony or Welcome Reception.

On-site payments can be made by credit card (Visa, MasterCard, or American Express) or cash (USD and ILS only).
SOCIAL EVENTS

Name badges are strictly required for all events.

The WAO International Scientific Conference (WISC) 2016 invites delegates to participate in the following special events. Events have been created to give delegates the opportunity to network.

WISC 2016 OPENING CEREMONY
6 December 2016
18:00 – 19:00
Hall 5, Convention Center
Join fellow delegates, faculty and the WAO Leadership in Hall 5 for the Opening Ceremony to launch the Conference.

WISC 2016 WELCOME RECEPTION
6 December 2016
19:00 – 20:30
Pincus Hall, Convention Center

EVENT TICKETS FOR GUESTS
If you would like to bring a guest to the Welcome Reception, please visit the WISC 2016 Registration Desk to purchase. The price for guests to attend the WISC 2016 Welcome Reception is $25 USD / ILS 135.

SOCIAL MEDIA

WAO’s social media allows you to interact and stay connected with WAO and other attendees before, during and after the meeting.

Use the hashtag #WISC2016 for your comments, questions, photos or to see what everyone else is talking about.

Twitter: @worldallergy
Facebook: facebook.com/worldallergyorg
LinkedIn: linkedin.com/company/world-allergy-organization
Instagram: @worldallergyorg

SPEAKER RESOURCE ROOM

The Speaker Resource Room is located next to Oren 4 in the Convention Center.

Speakers are asked to check-in, drop off and finalize their slide presentations. It is requested that speakers visit the Speaker Resource Room at least one hour before the beginning of their session. Speakers making early morning presentations should check in the previous day.

HOURS:
Monday, 5 December 15:00 – 19:00
Tuesday, 6 December 07:30 – 18:00
Wednesday, 7 December 07:30 – 17:00
Thursday, 8 December 07:30 – 17:00
Friday, 9 December 07:30 – 12:00

Save THE Date
World Allergy Week • 2–8 April 2017
The Agony of Hives
What to do when hives and swelling don’t go away

How will you help relieve the agony of chronic hives?
Start Here: “Urticaria” (Chapter 2, Section 6) in the WAO White Book on Allergy update 2013
www.worldallergy.org/wao-white-book-on-allergy

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CONGRATULATIONS TO THE WISC 2016 TRAVEL GRANT RECIPIENTS

THE 2016 TRAVEL GRANT Awardees ARE:

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Gaurab Sircar | India
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To celebrate this year’s WISC Conference, Wiley is pleased to present the Top-Cited articles from Allergy and Pediatric Allergy and Immunology.

All the articles are free to read online until the end of the 2016. Simply scan the QR code to be taken to the articles.
Scientific Program Information

The goal of WISC 2016 is for participants to gain insight into the most effective advances in the diagnosis and management of asthma and allergy.

OBJECTIVES

- To provide insights into the fundamentals and mechanisms of allergic/immunologic diseases by reviewing and evaluating the origins and severity of each disease
- To highlight the most recent advances in the treatment and prevention of allergic and immunological diseases
- To provide an integrated approach to the diagnosis and management of severe and more complex forms of allergies
- To identify unmet needs and areas of research priorities

SESSION TYPES

WISC 2016 offers delegates educational opportunities in many different formats.

JUNIOR MEMBER PRACTICAL COURSES

Practical Courses provide one hour demonstrations of practical skills and hands-on sessions and/or technology demonstration of important topics in the allergy/immunology field. The WAO Junior Members welcome all who want to improve their learning experience in a friendly atmosphere. It will be a great chance to exchange experiences, update knowledge and network with colleagues. Don’t miss this opportunity! Junior Members Practical Courses are scheduled 6, 7, and 8 December.

KEYNOTE LECTURES

Keynote Lectures offer attendees the opportunity to attend a 30-minute lecture on a specific topic from one of the Key Opinion Leaders in the field. Keynote Lectures are scheduled 6, 7, 8 and 9 December.

PLENARY SESSIONS

Plenary Sessions are the premier educational sessions of the Conference, presenting topics in didactic format to delegates. The speakers of the Plenary Sessions are considered top experts in their field. Plenary Sessions are scheduled on 6, 7, 8 and 9 December, for 80 minutes each.

POSTER SESSIONS

Poster Sessions feature accepted abstracts and the posters are displayed for one hour on 6, 7 and 8 December and presenting Authors will stand with their posters, answer questions and discuss their research.

SISTER SOCIETY SYMPOSIA

Sister Society Symposia are proposed and developed by related organizations. The selection process is competitive and the sessions are programmed as Symposia or Workshops. Sister Society Symposia are scheduled for 65 minutes and will be held on 6, 7 and 8 December.

SYMPOSIA

Symposia are didactic sessions and present topics of specific interest, providing the opportunity for in-depth and detailed exploration. Symposia are scheduled for 65 minutes on 6, 7, 8 and 9 December.

WORKSHOPS

Workshops are either interactive or didactic. These sessions are smaller and aimed towards audience participation. Workshops are scheduled for 65 minutes on 6, 7 and 8 December.

SESSION GUIDE

JM Junior Member Practical Course
JSY Junior Member Symposia
KEY Keynote Lecture
POS Poster Session
PS Plenary Session
SSS Sister Society Symposium
SY Symposium
WS Workshop
**Program At-A-Glance**

**TUESDAY, 6 DECEMBER 2016**

- **7:30**
  - Registration Open (07:30 - 19:00)

- **8:30**
  - **KEY 1:** The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell
  - **Hall 5**

- **9:00**
  - **PS 1:** Mechanisms of Allergenicity
  - **Hall 5**

- **11:00**
  - **Coffee Break**
  - **Pincus Hall Foyer**

- **12:15**
  - **POS 1:** Poster Sessions
  - **Pincus Hall Foyer**

- **13:15**
  - **SY 1:** Mast Cell Diseases
  - **Hall 5**
  - **SY 2:** Development of Allergen Immunotherapy (AIT)
  - **Oren 2**
  - **SY 3:** Update in Aeroallergens
  - **Oren 4**
  - **SY 4:** The Microbiome and Its Role in Health Disease
  - **Oren 3**

- **14:45**
  - **SY 5:** Emerging Cells in Allergy
  - **Hall 5**
  - **SY 6:** Aerobiology and Climate Change
  - **Oren 3**
  - **SY 7:** Chronic Urticaria
  - **Oren 4**
  - **JM 1:** Diagnostic Work-up of Respiratory Allergies: From Skin Test to Functional Assessment
  - **Oren 1**

- **15:30**
  - **WS 1:** Can Monoclonal Antibodies Really be Useful Weapons in Treating Allergic Diseases as they are in Cancer and Autoimmune Diseases?
  - **Oren 1**

- **18:00**
  - **Opening Ceremony**
  - **Hall 5**

- **19:00**
  - **Welcome Reception**
  - **Pincus Hall**

- **20:30**
  - Exhibit Hall Open (15:30 - 20:30)
  - **Pincus Hall Foyer**

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**SESSIONS**

- **KEY 1:**
  - The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell
  - **Hall 5**

- **PS 1:**
  - Mechanisms of Allergenicity
  - **Hall 5**

- **POS 1:**
  - Poster Sessions
  - **Pincus Hall Foyer**

- **SY 1:**
  - Mast Cell Diseases
  - **Hall 5**

- **SY 2:**
  - Development of Allergen Immunotherapy (AIT)
  - **Oren 2**

- **SY 3:**
  - Update in Aeroallergens
  - **Oren 4**

- **SY 4:**
  - The Microbiome and Its Role in Health Disease
  - **Oren 3**

- **SY 5:**
  - Emerging Cells in Allergy
  - **Hall 5**

- **SY 6:**
  - Aerobiology and Climate Change
  - **Oren 3**

- **SY 7:**
  - Chronic Urticaria
  - **Oren 4**

- **JM 1:**
  - Diagnostic Work-up of Respiratory Allergies: From Skin Test to Functional Assessment
  - **Oren 1**

- **SY 8:**
  - Mast Cell ICON: Mast Cells in Health & Diseases
  - **Oren 4**

- **SY 9:**
  - Hereditary Angioedema (HAE)
  - **Oren 3**

- **SY 10:**
  - The Microbiome and Airway Diseases
  - **Hall 5**

- **JM 1:**
  - Diagnostic Work-up of Respiratory Allergies: From Skin Test to Functional Assessment
  - **Oren 1**

- **WS 1:**
  - Can Monoclonal Antibodies Really be Useful Weapons in Treating Allergic Diseases as they are in Cancer and Autoimmune Diseases?
  - **Oren 1**

- **WS 2:**
  - Food Allergy II
  - **Oren 1**

- **WS 3:**
  - A New Frontier for the Allergist
  - **Oren 2**

- **WS 4:**
  - Food Allergy II
  - **Oren 1**

- **WS 5:**
  - A New Frontier for the Allergist
  - **Oren 2**

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**PROGRAM HIGHLIGHTS**

- **7:30 AM:** Registration Open (07:30 - 19:00)
- **7:30 - 8:30 AM:** Keynote Session - The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell
- **8:30 - 12:15 PM:** Plenary Sessions
- **12:15 - 1:15 PM:** Poster Sessions
- **1:15 - 4:45 PM:** Lunch Break
- **4:45 - 7:00 PM:** Plenary Sessions
- **7:00 - 8:00 PM:** Opening Ceremony
- **8:00 - 9:00 PM:** Welcome Reception
Program At-A-Glance

WEDNESDAY, 7 DECEMBER 2016

7:00 - 7:15
Registration Open (07:00 - 17:00)

CSS 1: Refer to page 44
Oren 4

CSS 2: Refer to page 44
Oren 1

7:15
CSS 1: Refer to page 44
Oren 4

CSS 2: Refer to page 44
Oren 1

8:30
KEY 2: Eosinophilic Esophagitis: A Rising Concern
Hall 5

PS 2: Clinical Aspects in Immunotherapy
Hall 5

9:00
Coffee Break
Pincus Hall

9:30
SY 11: Advances in Pollen Forecasting to Predict Clinical Symptoms
Oren 3

SY 12: Usefulness of Inflammatory Markers in the Treatment of Asthma
Oren 1

SY 13: Practical Approaches for the Management of Chronic Urticaria
Oren 4

SSS 4: AAAAI Symposium: New Concepts in the Immunopathogenesis and Management of Primary Immunodeficiencies
Oren 2

10:00 - 10:30
Exhibit Hall Open (10:00 - 16:30)

11:00
POS 2: Poster Sessions
Pincus Hall Foyer

CSS 3: Refer to page 44
Oren 4

11:30
SY 14: New and Old Hyper-IgE Syndromes
Oren 3

SY 15: Mold Allergy: Is It Real and What Do We Do About It?
Oren 1

SY 16: Navigating the Landscape of Urticaria and Angioedema Conditions
Oren 4

SY 17: What Really Happens during Food Triggered Anaphylaxis
Oren 2

12:00 - 12:30
Coffee Break
Pincus Hall

12:15
POS 2: Poster Sessions
Pincus Hall Foyer

CSS 3: Refer to page 44
Oren 4

13:30
JMJ 2: Challenge Tests and Desensitization in Food and Drug Allergy
Oren 1

WJ 4: Integrative Allergy: Complementary Approaches within an Allergy Asthma Practice
Oren 3

WJ 5: Immune Deficiency
Oren 4

SSS 5: KAAACI Symposium: Environment and Respiratory Allergies
Oren 2

15:00
Coffee Break
Pincus Hall

15:00
JSY 18: Immunodysregulatory Disorders
Oren 3

JSY 19: Beyond Pharmacotherapy: Role of Lifestyle Modification in Managing Asthma as a Human Condition in the Age of Technology and Outcomes
Oren 2

JSY 20: Drug Allergy
Oren 4

JSY 21: When Allergy and Immune Deficiency Meet
Oren 1

16:30
Break

LEGEND:

CSS = Company Sponsored Symposium
KEY = Keynote
SSS = Sister Society Symposium
JM = Junior Member Practical Course
POS = Posters
SY = Symposium
JSY = Junior Member Symposium
PS = Plenary
WS = Workshop
## Program At-A-Glance

**THURSDAY, 8 DECEMBER 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Registration Open (07:00 - 17:00)</td>
</tr>
</tbody>
</table>
| 7:15 | CSS 4: Refer to page 44  
Oren 1 |
| 8:30 | KEY 3: The Ubiquitin System in Health and Disease  
Hall 5 |
| 8:45 | PS 3: Atopic Dermatitis  
Hall 5 |
| 9:00 | Coffee Break  
Pincus Hall |
| 9:30 | SY 21: Otitis Media with Effusion  
Oren 3 |
| 10:00 | SY 22: Severe Asthma: COSA Session  
Oren 4 |
| 10:15 | SY 23: Primary Prevention of Atopy and Childhood Asthma  
Oren 1 |
| 11:00 | SY 24: Update on Eosinophilic Gastrointestinal Disease  
Oren 3 |
| 11:15 | SY 25: Asthma in the Elderly Today  
Oren 1 |
| 11:30 | SY 26: Desensitization to Drugs & Anaphylaxis  
Oren 4 |
| 12:15 | POS 3: Poster Sessions  
Pincus Hall Foyer |
| 13:00 | SY 27: Aberrant Inflammation and Aberrant Immune Programming in Early Life  
Oren 4 |
| 13:15 | SY 28: Asthma and Poverty: What Can Be Done?  
Oren 3 |
| 13:30 | JM 3: Practical Management of Anaphylaxis  
Oren 2 |
| 14:15 | WS 7: Non-Allergic Rhinitis (NAR), Cough and Asthma Practice  
Oren 1 |
| 15:00 | SY 29: Chronic Rhinosinusitis: From Endotypes to Personalized Treatment  
Oren 4 |
| 15:15 | JM 4: Allergy Immunotherapy: What, When and How  
Oren 2 |
| 15:30 | JSY 1: What’s Going on in Allergy and Clinical Immunology: Junior Members at the Front Line  
Oren 3 |
| 16:15 | WS 8: Anaphylaxis  
Oren 1 |

**LEGEND:**

- **CSS** = Company Sponsored Symposium
- **KEY** = Keynote
- **SSS** = Sister Society Symposium
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- **PS** = Plenary
- **WS** = Workshop
Program At-A-Glance

FRIDAY, 9 DECEMBER 2016

7:30 - 12:00
Registration Open

8:30 - 12:00
KEY 4: Perturbing Early Life Microbiota Development and Its Immunologic Consequences
Hall 5

PS 4: The Next Frontier for Food Desensitization: Alternatives to Oral Immunotherapy
Hall 5

Coffee Break
Pincus Hall Foyer

11:00 - 12:00
SY 30: Use of Environmental Control to Treat Allergic Disorders
Oren 3

SY 31: Severe Asthma in Children
Oren 1

SY 32: Phenotypes in Chronic Rhinosinusitis
Oren 2

SY 33: Food Allergy
Oren 4

LEGEND:

CSS = Company Sponsored Symposium
KEY = Keynote
SSS = Sister Society Symposium
JM = Junior Member Practical Course
POS = Posters
SY = Symposium
JSY = Junior Member Symposium
PS = Plenary
WS = Workshop
TUESDAY, 6 DECEMBER

The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell
| K. Frank Austen (United States)

K. Frank Austen attended Amherst College and Harvard Medical School and served his house staff training years at the Massachusetts General Hospital (MGH). He established an independent laboratory at the MGH in 1962 and moved to Robert B. Brigham in 1966 to establish a Department of Rheumatology and Immunology which evolved into a department of the Brigham and Women’s Hospital (BWH). After chairing this Department for 25 years, he shifted to the AstraZeneca Professorship of Respiratory and Inflammatory Diseases. Austen has pioneered many aspects of innate immunity/inflammation through an in depth focus on the functions and regulation of arachidonic acid metabolism to the cysteinyl leukotrienes (cysLTs), the pathways for the development and phenotypic diversity of mast cells, and the pattern recognition path for activation of the alternative complement activating pathway which also serves to amplify the classical complement pathway. Austen was elected to the National Academy of Sciences and to the American Academy of Arts and Sciences in 1974 and as a foreign member of the Royal Society (UK) in 2004. He has served as President of the American Association of Immunologists, the American Academy of Allergy, Asthma and Immunology, and the American Association of Physicians.

WEDNESDAY, 7 DECEMBER

Eosinophilic Esophagitis: A Rising Concern | Marc Rothenberg (United States)

Marc Rothenberg is the Director of the Division of Allergy and Immunology at Cincinnati Children’s Hospital Medical Center (Cincinnati Children’s), a tenured Professor of Pediatrics at Cincinnati Children’s and the University of Cincinnati College of Medicine (UCCOM), the Founder and Director of the Cincinnati Center for Eosinophilic Disorders (CCED), and the Founder and Director of the NIH-sponsored, national Consortium of Eosinophilic Disease Researchers (CEGIR). He graduated summa cum laude with Highest Honors in Chemistry and Biochemistry from Brandeis University. At Harvard Medical School (HMS), he completed the combined MD/PhD program. His PhD under the mentorship of Dr. Frank Austen included seminal studies on eosinophil hematopoiesis, identifying and characterizing the original biology of eosinophilopoietins, which led to the development of a new class of drugs (humanized anti-IL-5). After completing a residency in pediatrics at Children’s Hospital in Boston, Dr. Rothenberg did a combined fellowship in Allergy/Immunology and Hematology at Children’s Hospital in Boston. Rothenberg did post-doctorate training in the genetics laboratory of Dr. Philip Leder at HMS, where he cloned the eotaxin chemokine, which opened up a new direction in allergy research. He came to the UCCOM and Cincinnati Children’s in 1996 and has helped build a top program in pediatric research; his division is a leader in pediatric allergy and immunology. His research is focused on molecular analysis of allergic inflammation, primarily on the pathogenesis of eosinophilic gastrointestinal disorders (EGIDs). His laboratory takes multi-disciplinary approaches including the development of preclinical murine models of allergic disease, genetics, genomics, molecular immunology, cellular biology, and biochemistry.

Dr. Rothenberg’s awards include the 2007 E. Mead Johnson Award from the Society of Pediatric Research, an NIH MERIT Award in 2010 and he is a member of the Hewlett - Woodmere Alumni Hall of Fame. He is an elected member of the ASCI, AAP, AAAS and SPR. His publications number over 325. He has served on various review panels for journals and grant agencies including the NIH, Burroughs Trust, the MRC of the UK and the ISF of Israel. He is an Associate Editor of the Journal of Allergy and Clinical Immunology, and Mucosal Immunology, and co-Section Head of the Allergy and Hypersensitivity Section of Faculty 1000. He has served a four-year term on the Advisory Council of the NIAID. His research has been supported by numerous sources including the NIH, Human Frontier Science Program Organization, the Burroughs Wellcome Fund, the Dana Foundation, the US Department of Defense, US-Israel Binational Fund, and PCORI. He has trained a myriad of clinical and research investigators in his own laboratory and also as Program Director and/or Co-Principal Investigator of several NIH training grants including the NIH CTSA KL2, NICHD CHRCDA K12, and NIAID T32.
WISC 2016 Keynote Speakers

THURSDAY, 8 DECEMBER

**The Ubiquitin System in Health and Disease | Avram Hershko (Israel)**

*Avram Hershko* was born in 1937 in Hungary and immigrated with his family to Israel in 1950. He gained his MD (1965) and PhD (1969) from the Hebrew University - Hadassah Medical School of Jerusalem. After a post-doctoral fellowship at the University of California of San Francisco (1969-72), he joined the faculty of the Haifa Technion becoming professor in 1980. He is now Distinguished Professor in the Unit of Biochemistry in the B. Rappaport Faculty of Medicine of the Technion. His main research interests concern the mechanisms by which cellular proteins are degraded, a formerly neglected field of study. Hershko and his colleagues showed that cellular proteins are degraded by a highly selective system. This system tags proteins for destruction by linkage of a protein called ubiquitin, which had previously been identified in many tissues, as the name suggests, but whose function was previously unknown. Subsequent work in Hershko’s and many other laboratories has shown that the ubiquitin system has a vital role in controlling a wide range of cellular processes, such as the regulation of cell division, signal transduction and DNA repair. Abnormalities in the ubiquitin system result in diseases such as certain types of cancer. The full range of functions of the ubiquitin system in health and disease has still to be elucidated.

Hershko was awarded the Nobel Prize in Chemistry (2004) jointly with his former PhD student Aaron Ciechanover and his colleague Irwin Rose. His many other honors include the Israel Prize for Biochemistry (1994), the Gairdner Award (1999), The Alfred P. Sloan Prize of the General Motors Cancer Research Foundation (2000), the Lasker Prize for Basic Medical Research (2000), the Wolf Prize for Medicine (2001) and the Louisa Gross Horwitz Award (2001). Hershko is a member of the Israel Academy of Sciences (2000) and a Foreign Associate of the US Academy of Sciences (2003).

FRIDAY, 9 DECEMBER

**Perturbing Early Life Microbiota Development and Its Immunologic Consequences | Martin J. Blaser (United States)**

*Martin J. Blaser* is the Muriel and George Singer Professor of Medicine, Professor of Microbiology, and Director of the Human Microbiome Program at the NYU School of Medicine. He served as Chair of the Department of Medicine at NYU from 2000-2012. A physician and microbiologist, Dr. Blaser is interested in understanding the relationships we have with our persistently colonizing bacteria. His work over 30 years focused on particular organisms, including *Campylobacter* species and *Helicobacter pylori*, which also are model systems for understanding the interactions of residential bacteria with their human hosts.

Over the last 15 years, he has been actively studying the relationship of the human microbiome with health and with such important diseases as asthma, obesity, diabetes, and allergies. Over the course of his career, Dr. Blaser has served as the advisor for a large number of students, post-doctoral fellows, and junior faculty. He served as President of the Infectious Diseases Society of America, Chair of the Board of Scientific Counselors of the National Cancer Institute, Chair of the Advisory Board for Clinical Research of the National Institutes of Health, and on the Scientific Advisory Board of the Doris Duke Charitable Foundation. He was elected to the National Academy of Medicine and the American Academy for Arts and Sciences. He holds 25 U.S. patents relating to his research, and has authored over 540 original articles. Recently, he wrote “Missing Microbes”, a book targeted to general audiences. He now is serving as the Chair of the Presidential Advisory Council for Combating Antibiotic-Resistant Bacteria.
# Scientific Program – Tuesday, 6 December

## KEYNOTE 08.30 – 09.00

**KEYNOTE 08.30 – 09.00**

### KEY 1: The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell

Moderator: Mario Sánchez Borges (Venezuela)

- 08:30 - 09:00  **KEY 1** The Mucosal Leukotriene E4 Receptor CysLT3R Regulates Secretion and Responds to the Mast Cell | K. Frank Austen (United States)

## PLENARY 09.00 – 10.20

### PS 1: Mechanisms of Allergenicity

Moderators: David Rosenthal (United States), David Peden (United States)

- 09:00 - 09:05  Welcome Remarks
- 09:05 - 09:30  PS 1-1 The Evolutionary Roots of Allergenicity | Kathleen Barnes (United States)
- 09:30 - 09:55  PS 1-2 Recent Discoveries on Molecular Intrinsic Allergenic Properties | Rudolf Valenta (Austria)
- 09:55 - 10:20  PS 1-3 IgG4 to Environmental Antigens in Healthy and Allergic Children | Paolo Maria Matricardi (Germany)

## COFFEE BREAK 10.20 – 11.00

*Please take this opportunity to network with colleagues*

Pincus Hall Foyer

## SYMPOSIA 11.00 – 12.05

### SY 1: Mast Cell Diseases

Moderators: Joseph Mekori (Israel), Michael Kaliner (United States)

- 11:00 - 11:05  Welcome Remarks
- 11:05 - 11:25  SY 1-1 The Many Faces of Mast Cell Clonal Diseases | Dean Metcalfe (United States)
- 11:25 - 11:45  SY 1-2 Mast Cell Activation Syndrome | Alon Hershko (Israel)
- 11:45 - 12:05  SY 1-3 Prognosis and Management of Diseases of Mast Cell Activation and Proliferation | Mariana Castells (United States)

### SY 2: Development of Allergen Immunotherapy (AIT)

Moderators: Giorgio Walter Canonica (Italy), David Rosenthal (United States)

- 11:00 - 11:05  Welcome Remarks
- 11:05 - 11:35  SY 2-1 Role of B Reg Cells in Allergen Tolerance during Allergen Immunotherapy (AIT) | Mübeccel Akdis (Switzerland)
- 11:35 - 12:05  SY 2-2 Rapid Suppression of IgE-Mediated Allergy | Fred Finkelman (United States)

### SY 3: Update in Aeroallergens

Moderators: Jonathan Bernstein (United States), Dana Wallace (United States)

- 11:00 - 11:05  Welcome Remarks
- 11:05 - 11:25  SY 3-1 Pollen and Fungal Allergens | Jay Portnoy (United States)
- 11:25 - 11:45  SY 3-2 Mite and Cockroach Allergens | Luis Caraballo (Colombia)
- 11:45 - 12:05  SY 3-3 Allergen Immunotherapy (AIT): Unmet Needs in Respiratory Allergy | Giovanni Passalacqua (Italy)

### SY 4: The Microbiome and Its Role in Health Disease

Moderator: Judah Denburg (Canada)

- 11:00 - 11:05  Welcome Remarks
- 11:05 - 11:25  SY 4-1 Barrier Function and Microbiotic Dysbiosis in Atopic Dermatitis | Michael Levin (South Africa)
- 11:25 - 11:45  SY 4-2 Early Life Microbiome Dysbiosis and Development of Allergy | Christine Johnson (United States)
- 11:45 - 12:05  SY 4-3 Late Onset Airway Disease: Role of Viruses and Bacteria | Peter Le Souëf (Australia)

## SISTER SOCIETY SYMPOSIUM 11.00 – 12.05

### SSS 1: Latin American Society of Allergy, Asthma and Immunology (SLaai)

**Symposium – Latin American Peculiarities on Allergic Diseases**

Moderators: Juan Sisul (Paraguay), Edgardo Jares (Argentina)

- 11:00 - 11:05  Welcome Remarks
- 11:05 - 11:25  SSS 1-1 Characteristics of Anaphylaxis Detection and Management | Manuel Ratti (Paraguay)
- 11:25 - 11:45  SSS 1-2 Lessons Learnt from Drug Allergy Registries | Luis Felipe Chiaverini Ensina (Brazil)
- 11:45 - 12:05  SSS 1-3 Allergic Rhinitis and Its Impact on Asthma (ARIA) Achievements and Future Needs | Sandra González Díaz (Mexico)
Scientific Program – Tuesday, 6 December

POSTER SESSIONS

12.15 – 13.15
Please refer to the “Poster Sessions” section of this Final Program for complete details.

POS 1: Poster Session 1
Pincus Hall Foyer
Poster Board #
Boards 01 - 36  POS 1-1  Basic and Clinical Immunology
Boards 37 - 44  POS 1-2  Health Outcomes, Education, Delivery and Quality

SYMPOSIA

13.15 – 14.20

SY 5: Emerging Cells in Allergy
Hall 5
Moderators: Cezmi Akdis (Switzerland), Fred Finkelman (United States)
13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SY 5-1  Role of Mast Cells in Innate Inflammation | Hideaki Morita (Japan)
13:40 - 14:00  SY 5-2  Thymic Stromal Lymphopoietin (TSLP) and in Situ Hemopoiesis in Allergic Inflammation | Judah Denburg (Canada)
14:00 - 14:20  SY 5-3  Natural Killer (NK) Cells and Other Innate Lymphoid Cells | Lorenzo Moretta (Italy)

SY 6: Aerobiology and Climate Change
Oren 3
Moderators: David Bernstein (United States), Désirée Larenas Linnemann (Mexico)
13:15 - 13:20  Welcome Remarks
13:40 - 14:00  SY 6-2  Climate Change and Allergic Respiratory Diseases: An Update for the Allergist | Gennaro D’Amato (Italy)
14:00 - 14:20  SY 6-3  The Role of Aerobiology in 2016 | Jay Portnoy (United States)

SY 7: Chronic Urticaria
Oren 4
Moderators: Nancy Agmon-Levin (Israel), Razvigor Darlenski (Bulgaria)
13:15 - 13:20  Welcome Remarks
13:40 - 14:00  SY 7-2  Angioedema - Histamine or Bradykin? | Avner Reshef (Israel)
14:00 - 14:20  SY 7-3  Treatment of Patients with Severe Chronic Urticaria | Mario Sánchez Borges (Venezuela)

JUNIOR MEMBER PRACTICAL COURSE

13.15 – 14.20
JM 1: Diagnostic Work-up of Respiratory Allergies: From Skin Test to Functional Assessment
Oren 1
Senior Moderator | Stanley Fineman (United States)
13:15 - 13:20  Welcome Remarks
13:20 - 13:50  JM 1-1  Junior Member | Shira Benor (Israel)
13:50 - 14:20  JM 2-2  Junior Member | Mariana Couto (Portugal)

SISTER SOCIETY SYMPOSIUM

13.15 – 14.20
SSS 2: American College of Allergy, Asthma and Immunology (ACAAI) Symposium - Expanding the Role of the Allergist
Oren 2
Moderator: James Sublett (United States)
13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SSS 2-1  Ocular Allergy ICON: The Eyes Have It | Leonard Bielory (United States)
13:40 - 14:00  SSS 2-2  Asthma COPD Overlap Syndrome (ACOS) | Bryan Martin (United States)
14:00 - 14:20  SSS 2-3  Provocative Challenges | Stephen Tilles (United States)

BREAK

14.20 – 14.45

SYMPOSIA

14.45 – 15.50
SY 8: Mast Cell ICON: Mast Cells in Health and Diseases
Oren 4
Moderators: K. Frank Austen (United States), Alon Hershko (Israel)
14:45 - 15:00  Welcome Remarks
14:50 - 15:10  SY 8-1  Non-IgE Mediated Mast Cell Activation in Disease | Dean Metcalfe (United States)
15:10 - 15:30  SY 8-2  Mast Cells Beyond Allergy: T Cell-Mast Cell Interaction in Inflammatory Processes | Yoseph Mekori (Israel)
15:30 - 15:50  SY 8-3  Mast Cells in Allergic Airway Inflammation | Ruby Pawankar (Japan)
SY 9: Hereditary Angioedema (HAE)  
Moderators: Yael Graif (Israel), Stanley Goldstein (United States)
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  SY 9-1  HAE in the Pediatric Population | Aharon Kessel (Israel)
15:10 - 15:30  SY 9-2  HAE during Pregnancy | Elias Toubi (Israel)
15:30 - 15:50  SY 9-3  Treatment of HAE in 2016 | Michael Frank (United States)

SY 10: The Microbiome and Airway Diseases  
Moderator: Martin J. Blaser (United States)
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  SY 10-1  The Airway Microbiome: Status and Future | Peter Howarth (United Kingdom)
15:10 - 15:30  SY 10-2  Allergens and Superallergens: The Immune Proteome of Staphylococcus Aureus | Claus Bachert (Belgium)
15:30 - 15:50  SY 10-3  Microbial Exposures Influence the Risk for Wheezing and Asthma in Urban Children | James Gern (United States)

WORKSHOP 14.45 – 15.50
WS 1: Can Monoclonal Antibodies Really be Useful Weapons in Treating Allergic Diseases as they are in Cancer and Autoimmune Diseases?  
Moderator: Lanny J. Rosenwasser (United States), Bruce Mazer (Canada)
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  WS 1-1  AllergoOncology: The Impact of Allergy in Oncology | Erika Jensen-Jarolim (Austria)
15:10 - 15:30  WS 1-2  Autoimmune Diseases and Monoclonal Antibodies | Ulus Atasoy (United States)
15:30 - 15:50  WS 1-3  Allergic Diseases and Monoclonal Antibodies | Francesca Levi-Schaffer (Israel)

SISTER SOCIETY SYMPOSIUM 14.45 – 15.50
SSS 3: Colombian Allergy, Asthma and Immunology (ACAAI) Symposium
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  SSS 3-1  Particularities of Allergy in the Tropics | Luis Caraballo (Colombia)
15:10 - 15:30  SSS 3-2  Anticonvulsants-Induced Severe Delayed Skin Reactions | Carlos Serrano (Colombia)
15:30 - 15:50  SSS 3-3  Hypersensitivity Reactions to Radiocontrast Media | Luis Fernando Ramirez (Colombia)

COFFEE BREAK 15.50 – 16.30
Please join your colleagues in the Exhibition Hall

WORKSHOP 16.30 – 17.35
WS 2: Food Allergy II  
Moderators: Vered Schichter-Konfino (Israel), Aharon Kessel (Israel)
16:30 - 16:35  Welcome Remarks
16:35 - 16:55  WS 2-1  Diagnosis of Food Allergy | Yael Levi (Israel)
16:55 - 17:15  WS 2-2  Food Oral Immunotherapy | Yitzhak Katz (Israel)
17:15 - 17:35  WS 2-3  Baked Milk Immunotherapy | Ilan Dalal (Israel)

WS 3: A New Frontier for the Allergist  
Moderators: José Antonio Ortega Martell (Mexico), Marilyn Urrutia Pereira (Brazil)
16:30 - 16:35  Welcome Remarks
16:35 - 16:55  WS 3-1  Clinical Pearls for Diagnosing Allergic Contact Dermatitis | David Bernstein (United States)
16:55 - 17:15  WS 3-2  Skin Tests and Other Provocation Tests in Chronic Urticaria | Marcus Maurer (Germany)
17:15 - 17:35  WS 3-3  Metal Hypersensitivity and Prosthetic Devices | Karin Pacheco (United States)
### COMPANY SPONSORED SYMPOSIA

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<tbody>
<tr>
<td>07.15 – 08.15</td>
<td>CSS 1: Microbiome: The Good, the Bad and the Ugly</td>
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<td>Please refer to the “Company Sponsored Symposia” section of this Final</td>
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<td>Program for complete details.</td>
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<td>CSS 2: A Case-based Approach to the Management of Difficult to Treat</td>
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<td>Chronic Urticaria</td>
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<td>Please refer to the “Company Sponsored Symposia” section of this Final</td>
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<td>Program for complete details.</td>
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### KEYNOTE

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<th>Time</th>
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<tbody>
<tr>
<td>08.30 – 09.00</td>
<td>KEY 2: Eosinophilic Esophagitis: A Rising Concern</td>
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<tr>
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<td>Moderator: Motohiro Ebisawa (Japan)</td>
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<tr>
<td>08:30 - 09:00</td>
<td>Eosinophilic Esophagitis: A Rising Concern</td>
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### PLENARY

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<th>Time</th>
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<tbody>
<tr>
<td>09.00 – 10.20</td>
<td>PS 2: Clinical Aspects in Immunotherapy</td>
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<tr>
<td></td>
<td>Moderators: Nelson Rosário Filho (Brazil), Stanley Goldstein (United</td>
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<td>States)</td>
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<tr>
<td>09:00 - 09:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>09:05 - 09:30</td>
<td>PS 2-1: Clinical Advances of Immunotherapy</td>
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<td>09:30 - 09:55</td>
<td>PS 2-2: The New Routes of Administration: Where Do We Stand?</td>
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<tr>
<td>09:55 - 10:20</td>
<td>PS 2-3: Advances in Mechanisms and Clinical Implications</td>
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### COFFEE BREAK

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<th>Time</th>
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<tr>
<td>10.20 – 11.00</td>
<td>Please join your colleagues in the Exhibit Hall</td>
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### SYMPOSIA

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.00 – 12.05</td>
<td>SY 11: Advances in Pollen Forecasting to Predict Clinical Symptoms</td>
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<td>Moderators: Menachem Rottem (Israel), Bryan Martin (United States)</td>
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<tr>
<td>11:00 - 11:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>11:05 - 11:25</td>
<td>SY 11-1: The Relationship between Pollen Concentration and Clinical</td>
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<td>Symptom Thresholds</td>
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<td>11:25 - 11:45</td>
<td>SY 11-2: Methods of Pollen Collection and Impact of Pollen Exposure</td>
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<td>11:45 - 12:05</td>
<td>SY 11-3: Modeling and Forecasting Pollen for Allergy Prevention</td>
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<td>SY 12: Usefulness of Inflammatory Markers in the Treatment of Asthma</td>
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<td>Moderator: Michael Wechsler (United States)</td>
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<tr>
<td>11:00 - 11:05</td>
<td>Welcome Remarks</td>
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<td>11:05 - 11:25</td>
<td>SY 12-1: Novel Aspects of Inflammation in Asthma: Future Approaches</td>
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<td>11:25 - 11:45</td>
<td>SY 12-2: Inflammatory Markers for Asthma Diagnosis and Follow-up</td>
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<td>11:45 - 12:05</td>
<td>SY 12-3: Targeted Therapies for Asthma: State of the Art</td>
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<td>SY 13: Practical Approaches for the Management of Chronic Urticaria</td>
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<td>Moderators: Alexei Gonzalez (United States), Hector Badellino (Argentina)</td>
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<tr>
<td>11:00 - 11:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>11:05 - 11:25</td>
<td>SY 13-1: Mechanisms of Chronic Urticaria: Do We Understand the Whole</td>
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<td>Landscape?</td>
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<td>11:25 - 11:45</td>
<td>SY 13-2: Diagnostic, Quality of Life and Control Tools in Chronic</td>
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<td>Urticaria</td>
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<tr>
<td>11:45 - 12:05</td>
<td>SY 13-3: Treatment of Chronic Urticaria, Guidelines and Beyond</td>
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### SISTER SOCIETY SYMPOSIUM

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<tbody>
<tr>
<td>11.00 – 12.05</td>
<td>SSS 4: American Academy of Allergy, Asthma and Immunology (AAAAAI)</td>
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<td>Symposium - New Concepts in the Immunopathogenesis and Management of</td>
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<td>Primary Immunodeficiencies</td>
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<td>Moderator: Thomas Fleisher (United States)</td>
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<tr>
<td>11:00 - 11:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>11:05 - 11:25</td>
<td>SSS 4-1: Immune Deficiencies Associated with Early Onset Inflammatory</td>
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<td>Bowel Disease</td>
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<td>11:25 - 11:45</td>
<td>SSS 4-2: Severe Combined Immune Deficiency: From Newborn Screening</td>
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<td>to Cellular and Molecular Therapy</td>
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<td>11:45 - 12:05</td>
<td>SSS 4-3: The Complex Veiled among the Common Variables - Addressing</td>
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<td>the Challenges of the New “Common Variable Immune Deficiency (CVID)-</td>
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<td>like” Disorders</td>
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Scientific Program – Wednesday, 7 December

**POSTER SESSIONS**

12.15 – 13.15

*Please refer to the “Poster Sessions” section of this Final Program for complete details.*

**POS 2: Poster Session 2**

Pincus Hall Foyer

Poster Board #

| Boards 01 - 16 | POS 2-1 | Asthma Diagnosis and Treatment |
| Boards 17 - 31 | POS 2-2 | Mechanisms of Asthma and Allergic Inflammation |
| Boards 32 - 46 | POS 2-3 | Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases and Cough |
| Boards 47 - 57 | POS 2-4 | Environmental and Occupational Factors in Respiratory Diseases |

**COMPANY SPONSORED SYMPOSIUM**

12.15 – 13.15

*Please refer to the “Company Sponsored Symposia” section of this Final Program for complete details.*

**SYMPOSIA**

13.30 – 14.35

**SY 14: New and Old Hyper-IgE Syndromes**

*Oren 3*

Moderators: Lanny J. Rosenwasser (United States), Revaz Sepiashvili (Russia)

13:30 - 13:35 Welcome Remarks

13:35 - 13:55 SY 14-1 Autosomal Dominant Hyper IgE Syndromes (AD-HIES), Phosphoglucomutase 3 (PGM 3) and Dedicator of Cytokinesis 8 (DOCK8) Deficiency | Thomas Fleisher (United States)

13:55 - 14:15 SY 14-2 A Common Monogenic Cause for the Mast Cell Activation Syndrome | Joshua Milner (United States)

14:15 - 14:35 SY 14-3 Hypereosinophilic Syndrome (HES) and Eosinophilic Granulomatosis with Polyangiitis (EGPA) | Michael Wechsler (United States)

**SY 15: Mold Allergy: Is It Real and What Do We Do About It?**

*Oren 1*

Moderators: Luis Caraballo (Colombia), Jay Portnoy (United States)

13:30 - 13:35 Welcome Remarks

13:35 - 13:55 SY 15-1 Fungi: What Are They and What Types of Exposure Do We Have to Them? | Estelle Levetin (United States)

13:55 - 14:15 SY 15-2 Health Effects of Fungal Exposure: What is Known | John Cohn (United States)

14:15 - 14:35 SY 15-3 Interventions to Reduce Fungal Exposure and Improve Health | James Sublett (United States)

**SY 16: Navigating the Landscape of Urticaria and Angioedema Conditions**

*Oren 4*

Moderators: Allen Kaplan (United States), Jonathan Bernstein (United States)

13:30 - 13:35 Welcome Remarks

13:35 - 13:55 SY 16-1 Idiopathic Angioedema: Histaminergic and Kinin-Mediated | Konrad Bork (Germany)

13:55 - 14:15 SY 16-2 Bradykinin Mediated Angioedema with Normal C1INH–ACE-I and Associated and HAE with Normal C1INH | Bruce Zuraw (United States)

14:15 - 14:35 SY 16-3 Chronic Urticaria Guidelines | Marcus Mourer (Germany)

**SY 17: What Really Happens during Food Triggered Anaphylaxis**

*Oren 2*

Moderators: Motohiro Ebisawa (Japan), Marylin Valentín Rostán (Uruguay)

13:30 - 13:35 Welcome Remarks

13:35 - 13:55 SY 17-1 Who Is at Risk of Food-Triggered Anaphylaxis? | Margitta Worm (Germany)


14:15 - 14:35 SY 17-3 Cardiovascular Changes during Acute Allergic Reactions to Food | Paul Turner (United Kingdom)

**COFFEE BREAK**

14.35 – 15.00

*Please join your colleagues in the Exhibit Hall*

**JUNIOR MEMBER PRACTICAL COURSE**

15.00 – 16.05

**JM 2: Challenge Tests and Desensitization in Food and Drug Allergy**

*Oren 1*

Senior Moderator | Mariana Castells (United States)

15:00 - 15:05 Welcome Remarks

15:05 - 15:35 JM 2-1 Junior Member | Ori Toker (Israel)

15:35 - 16:05 JM 2-2 Junior Member | Liat Nachson (Israel)
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<th>WORKSHOP</th>
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<tr>
<td><strong>WS 4:</strong> Integrative Allergy: Complementary Approaches within an Allergy Asthma Practice</td>
<td>Oren 3</td>
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<tr>
<td>Moderator: Herberto Jose Chong Neto (Brazil)</td>
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<tr>
<td>15:00 - 15:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>15:05 - 15:25</td>
<td><strong>WS 4-1</strong> What Is Integrative Allergy, Integrative Medicine and Complementary and Integrative Medicine (CAM)</td>
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<tr>
<td>15:25 - 15:45</td>
<td><strong>WS 4-2</strong> Evidence Basis for Integrative Modalities</td>
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<td>15:45 – 16:05</td>
<td><strong>WS 4-3</strong> Stress and Immune System</td>
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<tr>
<td><strong>WS 5:</strong> Immune Deficiency</td>
<td>Oren 4</td>
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<tr>
<td>Moderators: Ilan Dalal (Israel), Ricardo Sorensen (United States)</td>
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<tr>
<td>15:00 - 15:05</td>
<td>Welcome Remarks</td>
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<tr>
<td>15:05 - 15:25</td>
<td><strong>WS 5-1</strong> Five Decades of Immune Deficiency: A Story to be Told</td>
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<td>15:25 - 15:45</td>
<td><strong>WS 5-2</strong> Primary Immunodeficiency</td>
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<td>15:45 – 16:05</td>
<td><strong>WS 5-3</strong> Newborn Screening for Severe Combined Immunodeficiency (SCID): State of the Art</td>
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<tr>
<td><strong>SSS 5:</strong> Korean Academy of Allergy, Asthma and Clinical Immunology (KAAACI)</td>
<td>Oren 2</td>
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<tr>
<td>Symposium - Environment and Respiratory Allergies</td>
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<tr>
<td>Moderator: Sang Heon-Cho (Korea)</td>
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<tr>
<td>15:00 - 15:05</td>
<td>Welcome Remarks</td>
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<td>15:05 - 15:25</td>
<td><strong>SSS 5-1</strong> The Impact of Air Pollutants on Cell Barriers in Asthma</td>
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<td>15:25 - 15:45</td>
<td><strong>SSS 5-2</strong> Major Environmental Factors in Children with Allergic Rhinitis – The Korean Experience</td>
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<td>15:45 – 16:05</td>
<td><strong>SSS 5-3</strong> Early Life Origins of Respiratory Disease: Lessons from a Birth Cohort</td>
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<th>BREAK</th>
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<tr>
<th>SYMPOSIA</th>
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<tr>
<td><strong>SY 18:</strong> Immunodysregulatory Disorders</td>
<td>Oren 3</td>
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<tr>
<td>Moderator: Thomas Fleisher (United States)</td>
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<td>16:30 - 16:35</td>
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<td>16:35 - 16:55</td>
<td><strong>SY 18-1</strong> Inflammasome Related Disorders</td>
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<td>16:55 - 17:15</td>
<td><strong>SY 18-2</strong> Monogenic Polyarteritis Nodosa</td>
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<td>17:15 - 17:35</td>
<td><strong>SY 18-3</strong> Blockers for the Therapy of Auto Inflammatory Diseases</td>
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| **SY 19:** Beyond Pharmacotherapy: Role of Lifestyle Modification in Managing Asthma as Human Condition in the Age of Technology and Outcomes | Oren 2 |
| Moderator: William Silvers (United States) | |
| 16:30 - 16:35 | Welcome Remarks |
| 16:35 - 16:55 | **SY 19-1** The Role of Lifestyles on the Immunology, Physiology, and Quality of Life of Asthma Patients: Is It Time for Artificial Intelligence and Mobile Health? | Mark Lazarovich (United States) |
| 16:55 - 17:15 | **SY 19-2** The Effect of Activity and Weight Modification on Asthma Management | Louis-Philippe Boulet (Canada) |
| 17:15 - 17:35 | **SY 19-3** Genetics and Epigenetics of Stress and Asthma | Juan C. Celedon (United States) |

| **SY 20:** Drug Allergy | Oren 4 |
| Moderator: Nancy Agmon-Levin (Israel) | |
| 16:30 - 16:35 | Welcome Remarks |
| 16:35 - 16:55 | **SY 20-1** Beta-Lactam Allergy Evaluation: Do We Have Alternatives? | Luis Felipe Chiaverini Ensina (Brazil) |
| 16:55 - 17:15 | **SY 20-2** Adverse Reaction to the Novel Check Point Inhibitors | Nancy Agmon-Levin (Israel) |
| 17:15 - 17:35 | **SY 20-3** Practical Approach to NSAID Hypersensitivity | Pedro Giavina-Bianchi (Brazil) |
## WS 6: When Allergy and Immune Deficiency Meet

**Moderators:** Ricardo Sorensen *(United States)*, Marylin Valentin Rostan *(Uruguay)*

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<td>16:30 - 16:35</td>
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<tr>
<td>16:35 - 16:55</td>
<td>WS 6-1</td>
<td>Eczema and Asthma in Immune Deficiencies</td>
<td>Kathleen Sullivan <em>(United States)</em></td>
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<tr>
<td>16:55 - 17:15</td>
<td>WS 6-2</td>
<td>Food Allergies in Immune Deficiencies</td>
<td>Sara Anvari <em>(United States)</em></td>
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<tr>
<td>17:15 - 17:35</td>
<td>WS 6-3</td>
<td>The Peculiar Atopy in Hyper IgE Syndromes</td>
<td>Ricardo Sorensen <em>(United States)</em></td>
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UPCOMING WAO MEETINGS

**WAO Symposium**
*Hot Topics in Pediatric and Regulatory Affairs*

**ROME/VATICAN CITY**
27-29 April, 2017

**WAO Symposium**
*Mite Allergy: From Basics to Clinical Applications*

**CARTAGENA, COLOMBIA**
6-9 September, 2017
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<td>KEY 3: The Ubiquitin System in Health and Disease</td>
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<td>Moderator: Ignacio J. Ansotegui (Spain)</td>
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<td>KEY 3: The Ubiquitin System in Health and Disease</td>
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<td>09.00 – 10.20</td>
<td>PS 3: Atopic Dermatitis</td>
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<td>Moderators: Robert Wood (United States), Arnaldo Capriles-Hulett (Venezuela)</td>
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<td>09:00 - 09:05 Welcome Remarks</td>
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<tr>
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<td>09:05 - 09:30 PS 3-1 Atopic Dermatitis: Epidemiology and Mechanisms State of the Art</td>
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<td>09:30 - 09:55 PS 3-2 Differences between Atopic Dermatitis (AD) Disease Phenotypes and the Need for Personalized Medicine in Atopic Dermatitis</td>
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<td>09:55 - 10:20 PS 3-3 Therapy of Atopic Dermatitis</td>
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<td>10.20 – 11.00</td>
<td>COFFEE BREAK</td>
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<td>Please join your colleagues in the Exhibit Hall</td>
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<tr>
<td>11.00 – 12.05</td>
<td>SYMPOSIA</td>
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<tr>
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<td>SY 21: Otitis Media with Effusion</td>
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<tr>
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<td>Moderator: Ignacio J. Ansotegui (Spain)</td>
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<td>11:00 - 11:05 Welcome Remarks</td>
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<td>11:05 - 11:25 SY 21-1 Effusion in the Middle Ear: A Hidden Enemy in School Children (Epidemiological Aspects and Impact on Learning)</td>
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<td>11:25 - 11:45 SY 21-2 Otitis Media with Effusion (OME) and Atopy: Cause or Myth? (Pathophysiopathogenic Mechanisms and Relationship)</td>
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<td>11:45 - 12:05 SY 21-3 Eosinophilic Otitis Media (Diagnostic and Approach Treatment)</td>
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<td>SY 22: Severe Asthma: COSA Session</td>
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<td>Moderators: Peter Howarth (United Kingdom), Neville Berkman (Israel)</td>
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<td>11:00 - 11:05 Welcome Remarks</td>
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<td>11:05 - 11:25 SY 22-1 Severe Asthma Phenotypes and Fungal Allergic Respiratory Disease</td>
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<td>11:25 - 11:45 SY 22-2 Aspirin Exacerbated Respiratory Disease</td>
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<td>11:45 - 12:05 SY 22-3 Novel Therapies for Severe - Unresponsive Asthma</td>
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<td>SY 23: Primary Prevention of Atopy and Childhood Asthma</td>
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<td></td>
<td>Moderators: Christina E. Ciaccio (United States), Mariana Couto (Portugal)</td>
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<td></td>
<td>11:00 - 11:05 Welcome Remarks</td>
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<td>11:25 - 11:45 SY 23-2 New Insights on the Diagnosis and Treatment of Asthma Exacerbation in Infants under the Age of One Year</td>
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<td>11:45 - 12:05 SY 23-3 Vitamins and/or Probiotics Supplementation for Asthma Prevention</td>
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<td>11.00 – 12.05</td>
<td>SISTER SOCIETY SYMPOSIUM</td>
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<td>SSS 6: Turkish National Society of Allergy and Clinical Immunology Symposium (TNSACI) - Specific Immunotherapy: Bench to Bedside</td>
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<td>Moderators: Cezmi Akdis (Switzerland), Zeynep Misiriligil (Turkey)</td>
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<td>11:00 - 11:05 Welcome Remarks</td>
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<td>11:05 - 11:25 SSS 6-1 Skin Prick Testing: Optimizing the Practice</td>
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<td>11:25 - 11:45 SSS 6-2 SCIT vs SLIT: Translation to the Practice in the Real World</td>
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<td>11:45 - 12:05 SSS 6-3 Modifying the Immune Response: Specific Immunotherapy</td>
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Scientific Program – Thursday, 8 December

POSTER SESSIONS

12.15 – 13.15
Please refer to the “Poster Sessions” section of this Final Program for complete details.

POS 3: Poster Session 3

12.15 – 13.15
Pincus Hall Foyer

Poster Board #
Boards 01 - 28  POS 3-1  Food Allergy and Anaphylaxis
Boards 29 - 35  POS 3-2  Dermatology and Drug Allergy

OUTSTANDING ABSTRACT AWARDS

12.30 – 13.00
Please join your fellow colleagues in acknowledging the Outstanding Abstract Award recipients

SYMPOSIA

13.15 – 14.20

SY 24: Update on Eosinophilic Gastrointestinal Disease

Moderators: Mariana Couto (Portugal), Revaz Sepiashvili (Russia)

13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SY 24-1  Epidemiology of EGIDS  |  Carina Venter (United States)
13:40 - 14:00  SY 24-2  Pathogenesis and Treatment of EGIDS  |  Jonathan Spergel (United States)
14:00 - 14:20  SY 24-3  Eosinophilic Lung Diseases  |  Jose Antonio Ortega Martell (Mexico)

SY 25: Asthma in the Elderly Today

Moderators: Fernan Caballero-Fonseca (Venezuela), Christina E. Ciaccio (United States)

13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SY 25-1  Clinical Features Differentiating Elderly Asthma from Non-Elderly Asthma  |  Anahi Yañez (Argentina)
13:40 - 14:00  SY 25-2  Asthma in the Elderly: Role of Comorbidities  |  Arzu Yorgancioglu (Turkey)
14:00 - 14:20  SY 25-3  What Are the Challengers in Asthma Elderly Treatment?  |  Sang Heon Cho (Korea)

SY 26: Desensitization to Drugs and Anaphylaxis

Moderators: Luciana Kase Tanno (France), Ronit Cohen Confino (Israel)

13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SY 26-1  Desensitization to NSAIDS  |  Pedro Giavina-Bianchi (Brazil)
13:40 - 14:00  SY 26-2  Desensitization to Beta-Lactams  |  Edgardo Jares (Argentina)
14:00 - 14:20  SY 26-3  Desensitization to Chemotherapy and Monoclonal Antibodies  |  Mariana Castells (United States)

SISTER SOCIETY SYMPOSIUM

13.15 – 14.20

SSS 7: Canadian Society of Allergy and Clinical Immunology (CSACI) - Anaphylaxis, Birth Cohorts, Development and Eosinophils: The ABC’s of Canadian Allergy Research

Moderator: Bruce Mazer (Canada)

13:15 - 13:20  Welcome Remarks
13:20 - 13:40  SSS 7-1  Cross Canada Anaphylaxis Registry (CCARE): Lessons in Anaphylaxis from Montreal and Beyond  |  Moshe Ben-Shoshan (Canada)
13:40 - 14:00  SSS 7-2  The CHILD Study: Lessons from a Birth Cohort  |  Allan Becker (Canada)
14:00 - 14:20  SSS 7-3  Allergy is in the Blood at Birth: Cord Blood Eosinophil Progenitors Predict the Development of Allergy and Asthma  |  Judah Denburg (Canada)

COFFEE BREAK

14.20 – 14.45
Please join your colleagues in the Exhibit Hall

SYMPOSIA

14.45 – 15.50

SY 27: Aberrant Inflammation and Aberrant Immune Programming in Early Life

Moderator: Michael Levin (South Africa)

14:45 - 14:50  Welcome Remarks
14:50 - 15:10  SY 27-1  Immune-Microbiota Interactions in Early Life: Dysbiosis as a Global Health Issue  |  Alessandro Fiocchi (Vatican City)
15:10 - 15:30  SY 27-2  The Microbiome and Allergic Disease  |  Hugh Sampson (United States)
15:30 - 15:50  SY 27-3  Feeding Modalities: Long-Term Influence on the Immune Responses to Food and Environmental Allergens  |  Ricardo Sorensen (United States)
SY 28: Asthma and Poverty: What Can Be Done?  
Moderators: Marilyn Urrutia Pereira (Brazil), Luis Caraballo (Colombia)
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  SY 28-1 Epidemiology and Clinical Features of Asthma in the Developing World | Alvaro Cruz (Brazil)
15:10 - 15:30  SY 28-2 Are GINA Guidelines Useful in Underdeveloped Countries | Arnaldo Capriles-Hulett (Venezuela)
15:30 - 15:50  SY 28-3 Asthma in the Inner Cities of Developed Countries | Wanda Phipatanakul (United States)

JUNIOR MEMBER PRACTICAL COURSE 14.45 – 15.50

JM 3: Practical Management of Anaphylaxis  
Senior Moderator | Dana Wallace (United States)
14:45 - 14:50  Welcome Remarks
14:50 - 15:20  JM 3-1 Junior Member | Vered Schichter-Konfino (Israel)
15:20 - 15:50  JM 3-2 Junior Member | TBD

WORKSHOP 14:45 – 15.50

WS 7: Non-Allergic Rhinitis (NAR), Cough and Asthma Practice  
Moderators: Cemal Cingi (Turkey), Revaz Sepiashvili (Russia)
14:45 - 14:50  Welcome Remarks
14:50 - 15:10  WS 7-1 Upper and Lower Airways Relationship and Treatment | Eli Meltzer (United States)
15:10 - 15:30  WS 7-2 How Do We Manage Recalcitrant Sinusitis Patients | Michael Kaliner (United States)
15:30 - 15:50  WS 7-3 Impact of Sinonasal Disease on the Lower Airways | Larry Borish (United States)

BREAK 15.50 – 16.15

SYMPOSIUM 16.15 – 17.20

SY 29: Chronic Rhinosinusitis: From Endotypes to Personalized Treatment  
Moderators: Mario Zernotti (Argentina), Stanley Goldstein (United States)
16:15 - 16:20  Welcome Remarks
16:20 - 16:40  SY 29-1 Chronic Rhinosinusitis in Children: Relationship to Adenotonsillar Hypertrophy, Sleep Disordered Breathing and Behavioral Disorders: Role of the Allergist | Bernard Silverman (United States)
16:40 - 17:00  SY 29-2 Aspirin Sensitivity (AERD) in Chronic Rhinosinusitis (CRS) | Larry Borish (United States)
17:00 - 17:20  SY 29-3 Personalized Treatment Approaches: Biologics in CRS | Phillippe Gevaert (Belgium)

JUNIOR MEMBER SYMPOSIUM 16.15 – 17.20

JSY 1: What’s Going on in Allergy and Clinical Immunology: Junior Members at the Front Line  
Moderator: Pavel Kolkhir (Russia)
16:15 - 16:20  Welcome Remarks
16:20 - 17:00  JSY 1-1 Patch Testing Procedures: A Consensus Document | Razvigor Darlenski (Bulgaria)
16:40 - 17:00  JSY 1-2 The Joint Junior Members Survey for Better Formation and Education | Marco Caminati (Italy)
17:00 - 17:20  JSY 1-3 New International Classification of Disease (ICD) and Its Clinical Relevance | Luciana Kase Tanno (France)

JUNIOR MEMBER PRACTICAL COURSE 16.15 – 17.20

JM 4: Allergy Immunotherapy: What, When and How  
Senior Moderator | Ignacio J. Ansotegui (Spain)
16:15 - 16:20  Welcome Remarks
16:20 - 17:00  JM 4-1 Junior Member | Orly Ben-Or (Israel)
16:50 - 17:20  JM 4-2 Junior Member | Nana Fenny (United States)

WORKSHOP 16:15 – 17.20

WS 8: Anaphylaxis  
Moderators: Alon Hershko (Israel), James Sublette (United States)
16:15 - 16:20  Welcome Remarks
16:20 - 17:00  WS 8-1 Anaphylaxis Epidemiology and Etiological Factors | Alessandro Fiocchi (Italy)
16:40 - 17:00  WS 8-2 Food Induced Exercise-Related Anaphylaxis | Stephen Tilles (United States)
17:00 - 17:20  WS 8-3 The Epipen Device: The Doctor vs. Patient Perspective | Aharon Kessel (Israel)
Scientific Program – Friday, 9 December

KEYNOTE 08.30 – 09.00

KEY 4: Perturbing Early Life Microbiota Development and Its Immunologic Consequences  Hall 5
Moderator: Lanny J. Rosenwasser (United States)
08:30 - 09:00  KEY 4  Perturbing Early Life Microbiota Development and Its Immunologic Consequences | Martin J. Blaser (United States)

PLENARY 09.00 – 10.20

PS 4: The Next Frontier for Food Desensitization: Alternatives to Oral Immunotherapy  Hall 5
Moderators: Gideon Lack (United Kingdom), Vered Schichter-Konfino (Israel)
09:00 - 09:05  Welcome Remarks
09:05 - 09:40  PS 4-1  Epicutaneous Desensitization | Hugh Sampson (United States)
09:40 - 10:20  PS 4-2  Multiple Food Desensitization | Motohiro Ebisawa (Japan)

COFFEE BREAK 10.20 – 11.00

Please take this opportunity to network with colleagues  Pincus Hall Foyer

SYMPOSIA 11.00 – 12.05

SY 30: Use of Environmental Control to Treat Allergic Disorders  Oren 3
Moderators: Aharon Kessel (Israel), Robert Wood (United States)
11:00 - 11:05  Welcome Remarks
11:05 - 11:25  SY 30-1  Taking on Environmental Health History | Wanda Phipatanakul (United States)
11:25 - 11:45  SY 30-2  Potentially Fatal Occupational Lung Disease | Chester Zeiss (United States)
11:45 - 12:05  SY 30-3  Communicating Findings and Recommending Interventions: What Works? | Jonathan Bernstein (United States)

SY 31: Severe Asthma in Children  Oren 1
Moderator: Avraham Biegelman (United States)
11:00 - 11:05  Welcome Remarks
11:05 - 11:25  SY 31-1  The Definition of Severe Asthma | Bruce Mazer (Canada)
11:25 - 11:45  SY 31-2  Asthma Phenotypes | Leonard Bacharier (United States)
11:45 - 12:05  SY 31-3  When Off-Label Medications could be Prescribed | Peter Le Souëf (Australia)

SY 32: Phenotypes in Chronic Rhinosinusitis  Oren 2
Moderators: Cemal Cingi (Turkey), Eli Meltzer (United States)
11:00 - 11:05  Welcome Remarks
11:05 - 11:25  SY 32-1  Chronic Rhinosinusitis with Nasal Polyps | Robert Naclerio (United States)
11:25 - 11:45  SY 32-2  Chronic Rhinosinusitis without Nasal Polyps | Philippe Gevaert (Belgium)
11:45 - 12:05  SY 32-3  Chronic Rhinosinusitis Phenotypes: How to Apply in Clinical Practice | Lou Zhang (China)

SY 33: Food Allergy  Oren 4
Moderators: Hugh Sampson (United States), Yael Levi (Israel)
11:00 - 11:05  Welcome Remarks
11:05 - 11:25  SY 33-1  Early Intervention of Peanut Allergy | Gideon Lack (United Kingdom)
11:25 - 11:45  SY 33-2  Component Resolved Diagnosis in Food Allergy | Motohiro Ebisawa (Japan)
11:45 - 12:05  SY 33-3  Microbiome and Food Allergy | David Fleischer (United States)
Poster Sessions – Tuesday, 6 December

POSTER SESSIONS 1

POS 1-1: Basic and Clinical Immunology

Pincus Hall Foyer

12.15 – 13.15

Chairpersons: José Antonio Ortega Martell (Mexico), Nancy Agmon-Levin (Israel)

1007 Management of ADA-Deficient SCID Patient during Pregnancy | Marissa Shams (United States)

1018 Cytidine 5’ Triphosphate Synthetase 1 Deficiency Presenting with Recurrent Infections and Hodgkin’s Lymphoma | William Dolen (United States), Amir Shahlaee (United States), Steven Dinetz (United States), Carolyn Lovell (United States), Michael Toscano (United States)

1019 Nosocomial Infections in Pediatric Cardiovascular Surgery: How Should We Add Anti-Biofilm Antibiotic? | Yung Feng Huang (Taiwan), Ying Yao Chen (Taiwan), Chiun Yen Pan (Taiwan), Heng Sheng Lee (Taiwan)

1027 Improvement in Hereditary Angioedema Diagnosis: Findings from the Icatibant Outcome Survey | Andrea Zanichelli (Italy), Markus Magerl (Germany), Hilary Longhurst (United Kingdom), Werner Aberer (Austria), Teresa Caballero (Spain), Laurence Bouillet (France), Anette Bygum (Denmark), Anete Grumach (Brazil), Amandine Perrin (Switzerland), Irmgard Andresen (Switzerland), Marcus Maurer (Germany)

1035 A Multicenter, Open-Label, Non-Randomized Study to Assess the Tolerability, Safety, and Efficacy of a Single Subcutaneous Administration of Icatibant in Children and Adolescents with Hereditary Angioedema | Ayner Reshef (Israel), Henriette Forkas (Hungary), Laura McCarthy (United States), James Hao (United States), Wolfram Nothaft (United States), Jennifer Schranz (United States), Jonathan Bernstein (United States), H. Henry Li (United States)

1041 Characterisation of Hereditary Angioedema Attacks Requiring Re-injection of Icatibant: Findings from the Icatibant Outcome Survey | Werner Aberer (Austria), Hilary Longhurst (United Kingdom), Laurence Bouillet (France), Teresa Caballero (Spain), Vincent Fabien (Switzerland), Andrea Zanichelli (Italy), Marcus Maurer (Germany), Irmgard Andresen (Switzerland)

1043 Respiratory Distress as the Initial Manifestation of Microscopic Polyangiitis | Joel Brooks (United States), Jared Benz (United States), Usma Chatha (United States), Dale Lent (United States)

1045 Native Milk: An Allergy-Preventive Postnatal Signaling System Stabilizing Long-Lasting FoxP3 Expression | Bodo Melnik (Germany), Swen Malte John (Germany), Gerd Schmitz (Germany)

1046 Relationship between Nasal Polyposis and Serum Level of Vitamin D | Sükrün Köse (Turkey), Bengü Gireniz Tatar (Turkey), Gülgün Akkoçu (Turkey), Ibrahim Çukurova (Turkey), İlker Ödemiş (Turkey), Ayşin Kılıç Toker (Turkey)

1047 IgE Levels among Non Ahmadu Bello University Staff Attending the Sick Bay of The University in Samaru, Zaria-Nigeria | Abdullahi Hassan (Nigeria), Abdulrazaq Abdullahi Gobir (Nigeria)

1052 Another Case of Acquired Angioedema Secondary to a Lymphoproliferative Disease Successfully Treated with Rituximab | Stuart Friedman (United States), Yonatan Gizaw (United States), Rima Bakhda (United States), Kumail Mohammed (United States)

1058 Association of C-reactive protein and Interleukin-6 with Chronic Kidney Disease in Patients with Diabetes Type 2 | Volha Vasilkova (Belarus), Tatiana Mokhrot (Belarus)

1062 Management of Refractory Recurrent Pericarditis and Familial Mediterranean Fever (FMF) related Attacks with IVIG and Interleukin 1 Inhibition | Rachel Eisenberg (United States), Rushita Mehta (United States), Arye Rubinstein (United States)

1064 Hematopoietic Stem Cell Transplantation in Combined Immunodeficiency Associated with RelB Deficiency | Yoel Dinur Schechter (Canada), Adi Ovadia (Canada), Vy Kim (Canada), Brenda Reid (Canada), Chaim Roifman (Canada)

1073 Micro-Array Component-Resolved Study of Felis Domestica Major Allergen Molecules in Cat Allergic Patients in Moscow Region, Russia | Anna Dolgova (Russia), Olga Stukolova (Russia), Anna Sudina (Russia), Anna Cherkashina (Russia), German Shipulin (Russia)

1076 The Icatibant Outcome Survey: More than 2,900 Icatibant-Treated Attacks in Patients with Type I or II Hereditary Angioedema | Marcus Maurer (Germany), Teresa Caballero (Spain), Werner Aberer (Austria), Andrea Zanichelli (Italy), Laurence Bouillet (France), Vincent Fabien (Switzerland), Irmgard Andresen (Switzerland), Hilary J. Longhurst (United Kingdom)

1077 IgE-Epitopes and Genetically Engineered Rhi o 1: A Hypoallergenic Vaccine for Immunotherapy against Fungal Allergy | Gaurab Sircar (India), Kulapad Jana (India), Angira Dasgupta (India), Sudipto Saha (India), Swati Gupta Bhattacharya (India)

1079 The Effect of Immunoglobulin Levels on CVID Enteropathy Pathogenesis and Clinical Severity | Meng Chen (United States), Edith Schussler (United States), Mabel Ko (United States), Paul Maglione (United States), Charlotte Cunningham-Rundles (United States)

Names of presenting authors are underlined

WISC 2016 6-9 December 2016 Jerusalem, Israel
An EDA-ID Patient with Autoimmune C3 Nephritic Factor Managed with Rituximab | Rony Greemberg (Canada), Jean Jacques De Bruycker (Canada), Isabel Fernandez (Canada), Françoise Le Deist (Canada), Elie Haddad (Canada)

Autoimmune Diseases and Risk of Stroke | Zoran Arsovski (Macedonia), Anita Arsovskva (Macedonia), Biserka Jokovska Kjoeva (Macedonia)

Formation of Plasma Kallikrein and Plasmin in Hereditary Angioedema with Normal C1 Inhibitor (HAE-N) | Kusumam Joseph (United States), Baby Tholanikunnel (United States), Anete Grumach (Brazil), Allen Kaplan (United States)

The Role of IL-33 and ST2 in Changes of Iron and Hemoglobin Level in Acute Inflammation | Marija S. Stankovic (Serbia), Zoran Arsovski (Macedonia), Emel Aygören-Pürsün (Germany), Dimitru Moldovan (Romania), Jim Christensen (United States), Kraig Jacobson (United States), Arthur Van Leerbergh (Belgium), Jennifer Schranz (United States), Daniel Soteres (United States)

The Eficiency of the Immunomodulatory Therapy in Treatment of Immunocompromised Girls with Recurrent Chronic Non-Specific Vulvovaginitis Associated with Atopic Dermatitis | Irina Nesterova (Russia), Svetlana Kovaleva (Russia), Galina Chudilova (Russia), Ludmila Lomtatidze (Russia)

HIV and HCV Co-Infection: The Order of HIV and HCV Acquisition and Liver Fibrosis | Irina Balmasova (Russia), Elena Malova (Russia)

Reference Range of Peripheral Blood Eosinophils in Infants | Shira Benor (Israel), Inbal Goldshtein (Israel), Amir Ben Tov (Israel)

Eragrostis Tef Contains Glutelin Sequences and Food Modifications by Industrial Used Transglutaminase Induces Allergenic and Antigenic Proteins | Skriner Karl (Germany), Marklein Bianka (Germany), Jenning Madeleine (Germany)

Virus-Associated Allergic Rhinitis as a Phenotype and Its’ Clinic-Immunological Specifics | Nataly Tataurshchikova (Russia), Baigalmaa Sangidorj (Russia), Anna Ronzhina (Russia)

The Role of B Cells in Rhinovirus Infection | Oliver F. Wirz (Switzerland), Willem van de Veen (Switzerland), David Mirer (Switzerland), Hideaki Morita (Japan), Cezmi A. Akdis (Switzerland), Mübeccel Akdis (Switzerland)

Randomized, Double-Blind, Placebo-Controlled Trial of Recombinant Human C1 Inhibitor for Prophylaxis of Hereditary Angioedema Attacks | Ayner Reshef (Israel), Marc Riedl (United States), Vesna Grivicheva Panovska (Macedonia), Dumitru Moldovan (Romania), James Baker (United States), William H. Yang (Canada), Sladjana Andrejevic (Serbia), Richard F. Lockey (United States), Roman Hakl (Czech Republic), Shmuel Kivity (Israel), Luca Bellizi (The Netherlands), Joseph R. Harper (United States), Anurag Relan (The Netherlands), Marco Cicardi (Italy)

POS 1-2: Health Outcomes, Education, Delivery and Quality

Pincus Hall Foyer

Names of presenting authors are underlined
### Poster Sessions – Tuesday, 6 December

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<td>A Case of a 72 Year Old Female with Scleroderma Initially Presenting with Hypereosinophilia</td>
<td>Ari Zelig (United States), Tatyana Gavrilova (United States)</td>
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<td>Complex Evaluation of the Health Status of Primary School Aged Children (Adjara Region)</td>
<td>Tsici Jorjoliani (Georgia), Lia Jorjoliani (Georgia), Nino Adamia (Georgia), Nona Katamadze (Georgia)</td>
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<td>Childhood Presenting Hereditary Angioedema is Diagnosed in Adulthood by Non-Pediatric Physicians: Icatibant Outcome Survey Findings</td>
<td>Hilary J Longhurst (United Kingdom), Werner Aberer (Austria), Laurence Bouillet (France), Teresa Caballero (Spain), Anette Bygum (Denmark), Anete S Grumach (Brazil), Amandine Perrin (Switzerland), Irmgard Andresen (Switzerland), Andrea Zanichelli (Italy), Marcus Maurer (Germany)</td>
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<td>Factors for Therapy Adherence in Chronic Urticaria</td>
<td>Vesna Grivcheva-Panovska (Macedonia)</td>
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<td>1105</td>
<td>Clinical Symptoms and Development of Infants with Cow’s Milk Allergy Fed with Hydrolyzed Formula</td>
<td>Maia Kherkheulidze (Georgia), Nani Kavlashvili (Georgia), Eka Kandelaki (Georgia)</td>
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<td>1129</td>
<td>Off-Label and Concurrent Use of an Anti-Asthma Agent in the Treatment of a Chronic Kidney Disease: A Case Report</td>
<td>Luiz Querino Caldas (Brazil)</td>
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Poster Sessions – Wednesday, 7 December

POSTER SESSIONS 2

POS 2-1: Asthma Diagnosis and Treatment

Chairpersons: Fernan Caballero-Forseca (Venezuela), Paul Greenberger (United States)

1010 A Four-Loci Interaction Model: A New Predictive Tool for Asthma in Chinese Children 5 Year and Younger | Jun Bao (China), Yi-Hui Wang (China), Quan-Hua Liu (China), Yi-Xiao Bao (China)

1016 Susceptibility to Exacerbations in Asthma | Nicole Grossman (United States), Gheorghe Doros (United States), Francine Laden (United States), Anne Fuhlbrigge (United States), Michael Wechsler (United States), Wilson Pace (United States), Barbara Yawn (United States), Elliot Israel (United States)

1025 Diagnostic Accuracy of Fractional Exhaled Nitric Oxide Measurement for Cough Variant Asthma and Eosinophilic Bronchitis in Adult Patients with Chronic Cough: A Meta-Analysis | Woo-Jung Song (Korea), Ji-Su Shim (Korea), Ha-Kyeong Won (Korea), Sung-Yoon Kang (Korea), Kyong-Hee Sohn (Korea), Byung-Keun Kim (Korea), Eun-Jung Jo (Korea), Min-Hye Kim (Korea), Sang-Heon Kim (Korea), Heung-Woo Park (Korea), Sun-Sin Kang (Korea), Yoon-Seok Chang (Korea), Alyn H Morice (United Kingdom), Byung-Jae Lee (Korea), Sang-Heon Cho (Korea), Kyung-Up Min (Korea)

1032 Comprehensive Evaluation before Thermoplasty Treatment: The University of Cincinnati Experience | Sadia Benzaquen (United States), Alejandro Aragaki (United States), Ricardo Balestra (United States), Dawn Harden (United States), Danielle Caudell-Stamper (United States)

1036 The Role of Gene Polymorphism of Toll-like Receptors 2,4 and Clara Cell Protein in the Development of Asthma in Adults | Nataliya Lyakhovska (Ukraine), Igor Kaidashev (Ukraine)

1037 The Effect of Anti-IgE Monoclonal Antibody on Other Allergic Comorbidities of Severe Asthma Patients | Jaromir Bystrovn (Czech Republic), Beata Hutyrova (Czech Republic)

1059 Polyprenol in Steroid Resistant Asthma Treatment | Ivans Sergejs Kuznecovs (Latvia), Inese Kuznecova (Latvia), Klara Jegina (Latvia)

1080 Simplified Method for Eucapnic Voluntary Hyperventilation (EVH) Challenge to Diagnose Exercise Induced Bronchospasm (EIB) | Richard Rosenthal (United States), Harvey Howe (United States), Paul Knouse (United States)

1092 Different Therapeutic Response in Smoking and Non-Smoking Asthmatics to Inhaled Corticosteroids | Bisnerka Jovkovska Kjeava (Macedonia), Zoran Arsovski (Macedonia)

1099 Bronchosplasmoltic Evaluation of Synthesized 8-Pyrazole Substituted Xanthine Derivatives | Rakesh Yadav (India), Divya Yadav (India)

1125 CD48 on Blood Leukocytes and in Serum of Asthma Patients Varies with Severity | Roopesh Gangwar (Israel), Yael Minai-Fleminger (Israel), Mansour Seaf (Israel), Amichai Gutzold (Israel), Aarti Shikotra (United Kingdom), Roopesh Singh (India), Ahlam Barhoum (Israel), Eitan Kerem (Israel), Francesca Levi-Schaffer (Israel)

1126 Prognostic Value of Exhaled Nitric Oxide Monitoring for Asthma Prognosis in Korean Children and Asthma Friendly School | Sung-il Woo (Korea)

POS 2-2: Mechanisms of Asthma and Allergic Inflammation

Chairpersons: Lanny J. Rosenwasser (United States), Francesca Levi-Schaffer (Israel)

1011 Loss of Esophageal Epithelial SPINK7 Unleashes Uncontrolled Proteolytic Activity, Impaired Epithelial Barrier, Defective Differentiation and Pro-Inflammatory Cytokine Production | Nurit Azouz (United States), Julie Caldwell (United States), Leanne Ray (United States), Mark Rochman (United States), Melissa Mingler (United States), Matthew Elierman (United States), Ting Wen (United States), Jocelyn Biagini Myers (United States), Gurjit Khurana Hershey (United States), Leah Kottyan (United States), Lisa Martin (United States), Marc Rothenberg (United States)

1015 Effect of Morin in Bleomycin-Induced Pulmonary Fibrosis in Rats: Critical Role of Inflammatory, Fibrotic and Apoptotic Biomarkers | Amit Khandare (India), Subhash Bodhankar (India)

1137 Purinergic Signaling is Involved in the Beneficial Effects of Aerobic Exercise in a Model of HDM-Induced Asthma | Rodolfo de Paula Vieira (Brazil), Manoel Carneiro Oliveira-Junior (Brazil), Nilza Regina Damasceno-Rodrigues (Brazil), Fernanda Magalhães Arantes-Costa (Brazil), Milton Arruda Martins (Brazil), Ana Paula Ligeiro Oliveira (Brazil)

POS 2-2: Mechanisms of Asthma and Allergic Inflammation

Chairpersons: Lanny J. Rosenwasser (United States), Francesca Levi-Schaffer (Israel)

1011 Loss of Esophageal Epithelial SPINK7 Unleashes Uncontrolled Proteolytic Activity, Impaired Epithelial Barrier, Defective Differentiation and Pro-Inflammatory Cytokine Production | Nurit Azouz (United States), Julie Caldwell (United States), Leanne Ray (United States), Mark Rochman (United States), Melissa Mingler (United States), Matthew Elierman (United States), Ting Wen (United States), Jocelyn Biagini Myers (United States), Gurjit Khurana Hershey (United States), Leah Kottyan (United States), Lisa Martin (United States), Marc Rothenberg (United States)

1015 Effect of Morin in Bleomycin-Induced Pulmonary Fibrosis in Rats: Critical Role of Inflammatory, Fibrotic and Apoptotic Biomarkers | Amit Khandare (India), Subhash Bodhankar (India)

1137 Purinergic Signaling is Involved in the Beneficial Effects of Aerobic Exercise in a Model of HDM-Induced Asthma | Rodolfo de Paula Vieira (Brazil), Manoel Carneiro Oliveira-Junior (Brazil), Nilza Regina Damasceno-Rodrigues (Brazil), Fernanda Magalhães Arantes-Costa (Brazil), Milton Arruda Martins (Brazil), Ana Paula Ligeiro Oliveira (Brazil)
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1022 Mast Cell Degranulation in Physical Urticaria-Dissociation of Histamine and Tryptase | Hirsh Komarow (United States), Michael Young (United States), Robin Eisch (United States), Linda Scott (United States), Dean Metcalfe (United States)

1057 Er a 10 Favours Th2 Responses by PAR-2 Activation and Increased p-STAT 3 Levels | Komal Agrawal (India), Sagar Kale (India), Naveen Arora (India)

1060 Dolichyl Phosphate Dependent Mechanism of Exacerbations in Asthma | Galina Kuznecova (Latvia), Inese Joksta (Latvia), Klara Jegina (Latvia)

1068 Association of Serum Triglyceride and Cholesterol with Asthma in Adults | Ho Joo Yoon (Korea), Gun Woo Koo (Korea), Suk-Hi Chang (Korea), Hye-Ran Yoon (Korea), Dong Won Park (Korea), Taeg Sun Park (Korea), Ji-Yong Moon (Korea), Sang-Heon Kim (Korea), Taeg Hyung Kim (Korea), Jong Won Sohn (Korea), Dong Ho Shin (Korea)

1074 Change in Sensitization to Common Aeroallergens between 1997-1999 and 2008-2011 among Adults in Germany | Henriette Steppuhn (Germany), Haftenberger Marjolein (Germany), Schmitz Roma (Germany), Thamm Michael (Germany), Schaffrath Rosario Angelika (Germany), Kalckloesch Margrit (Germany), Scheidt-Nave Christa (Germany), Laussmann Detlef (Germany)

1118 The E1/E2 Concept: Evidences for Polarized Epithelial Differentiation | Carsten Schmidt-Weber (Germany), Constanze Jakwerth (Germany), Adam Chaker (Germany), Ulrich Zissler (Germany)

1119 Melatonin Alters Nitric Oxide Production by IFN-gamma/Vitamin D3 Stimulated Peripheral Blood Mononuclear Cells (PBMC) from Healthy Adults and Patients with Allergy/Asthma | Karyn Winkler (United States), Jessica Margarinos (United States), Dylan Martin (United States), Maja Nowakowski (United States), Rauno Joks (United States)

1136 ROCK Serve as Negative Regulators of Degranulation of Human and Mouse Eosinophils | Revital Shamri (Israel), Kristen M. Young (United States), Peter F. Weller (United States)

1140 Alterations in Barrier Integrity and Inflammatory Infiltrate are Present and Largely Reversed with Treatment in Eosinophilic Esophagitis | Simon Royce (Australia), Hamish Philpott (Australia), Sanjay Nandurkar (Australia), Francis Thien (Australia), Peter Gibson (Australia)

1147 The Role of miR-328 in Allergic Airway Disease | Hock Tay (Australia), Paul Foster (Australia)

1151 Effect of Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases and Cough | POS 2-3: Immunotherapy, Rhinitis, Sinusitis, Ocular Diseases and Cough

Names of presenting authors are underlined
Antioxidant Supplements for the Treatment of Allergic Rhinitis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials | Anwesha Mukherjee (India), Amit Kandhare (India), Subhash Bodhankar (India)

Programmed Death-1 Expression on T Subsets in Patients with Atopic Dermatitis during Autologous Activated T cell Immunotherapy | Elena A. Blinova (Russia), Ekaterina A. Pashkina (Russia), Marina I. Leonova (Russia), Vera M. Nepomnyaschikh (Russia), Darya V. Demina (Russia), Vladimir A. Kozlov (Russia)

The Hyper-Allergenic Isoform Bet v 1a of the Major Birch Pollen Allergen Displays Reduced Allergenic Potential after Binding of Retinoic Acid | Karin Hufnagl (Austria), Stefanie Wagner (Austria), Luis F. Pacios (Spain), Michael Wallner (Austria), Markus Wiederstein (Austria), Gerlinde Hofstetter (Austria), Franziska Roth-Walter (Austria), Erika Jensen-Jarolim (Austria)

POS 2-4: Environmental and Occupational Factors in Respiratory Diseases

Chairperson: Stanley Fineman (United States)

1012 Epidemiological Transition of Viruses Associated with Wheezing: The Role of New Virus | Victor Gonzalez-Uribe (Mexico), Jaime Del Rio-Chivardi (Mexico), Blanca Del Rio-Navarro (Mexico)

1026 Cadmium Induces MUC8 Expression via TLR4-Mediated ERK1/2 and p38 MAPK in Human Airway Epithelial Cells | Yong-Doa Kim (Korea), Yoon Seok Choi (Korea), Chang Hoon Bae (Korea), Si-Youn Song (Korea)

1039 A Comprehensive Environmental and Building Pathology Assessment of Asthmatic Children in Buenos Aires, Argentina | Alberto Tolcachier (Argentina), Armando Chamorro (Argentina), Ruth Otero (Argentina)

1042 Hypersensitivity Pneumonitis in a Farmer | Joel Brooks (United States), Michael Hess (United States), Jared Benz (United States), Joseph MacDonald (United States)

1061 Legalized Marijuana- Medical and Recreational- In the USA: Concerns beyond Cannabis Sativa? | William Silvers (United States)

1094 Molecular Characterization, Gene Expression Profile and Histopathology of Fungal Spore Causing Allergies in Southwestern Nigeria | Adeyinka Odebode (Nigeria), Adedotun Adekunle (Nigeria), Peter Adeonipekun (Nigeria), Ebenezer Farombi (Nigeria)

1115 The Effect of Smoking on the Course of Disease in Newly Diagnosed Asthma Patients: Results from Multicenter Observational Study | Oznur Abadoglu (Turkey), Bilun Gemicioglu (Turkey), Hasan Bayram (Turkey), Arif Cimrin (Turkey), Levent Akyildiz (Turkey), Aykut Cilli (Turkey), Hakan Gunen (Turkey), Tevfik Ozu (Turkey), Mecit Suerdem (Turkey), Esra Uzaslan (Turkey), Zeynep Misirligil (Turkey)

1116 Asthma Prevalence among University Students in Belgrade | Bronislava Milenkovic (Serbia), Snezana Ratic (Serbia), Snezana Ristic-Stojanovic (Serbia), A Milenkov (Serbia), Jelena Cvetkovic (Serbia), Jelena Jankovic (Serbia), Sanja Dimic-Jonic (Serbia), Natasa Djurdjevic (Serbia)

1139 Nasal Epithelium Injury by Chlorination Products and Other Stressors Predicts Persistent Sensitization to Aeroallergens in Young School Children | Alfred Bernard (Belgium), Antonia Sardella (Belgium), Catherine Voisin (Belgium)

1154 Aeropolinologic Monitoring in Patients with Respiratory Allergies | Revaz Sepiaishvili (Russia), Manana Chikladze (Georgia)

1155 Clinico-Immunological and Aeropolinologic Monitoring in Patients with Respiratory Allergies | Revaz Sepiaishvili (Russia), Tatiana Slavyanskaya (Russia), Manana Chikladze (Georgia)
**Poster Sessions – Thursday, 8 December**

**POSTER SESSIONS 3**

**POS 3-1: Food Allergy and Anaphylaxis**

Pincus Hall Foyer

12.15 – 13.15

Chairpersons: Hugh Sampson (United States), Motoriho Ebisawa (Japan)

1014 Oral Food Challenge Outcomes in a Tertiary Care Center | Elissa Abrams (Canada), Allan Becker (Canada)

1020 Emergency Response Community Effectiveness: An Analysis of Anaphylaxis-Related EMS Events in the USA | Michael Khalemsky (Israel), David G. Schwartz (Israel)

1023 Prevalence of Food Sensitization, IgE-mediated and Non-IgE-mediated Food Allergy among Pediatric Patients Diagnosed with Autism Spectrum Disorders | Aimee Lou Nano (Philippines), Marysia Recto (Philippines)

1029 Evaluation of Oral Desensitization with Nickel (TIONICKEL) in Patients Suffering from SNAS | Maria Assunta Boscolo (Italy), Giulio Brivio (Italy), Sergio Bosio (Italy), Nicoletta Manzocchi (Italy), Edoardo Pulizi (Italy), Giulia Grignani (Italy), Eloisa D'Andrea (Italy), Massimo Ricci (Italy), Elena Passini (Italy), Maurizio Italia (Italy)

1034 New Onset Soy-Related Exercise Induced Anaphylaxis (EIA) in Adolescents with Peanut Allergy | Mark Holbreich (United States)

1038 Anaphylaxis Caused by Chycor Might be Associated with Sensitization to Cannabis | Galina Balakirski (Germany), Luk Vansstreels (Germany), Gerda Wurpts (Germany), Hans F Merk (Germany), Jens Malte Baron (Germany), Johanna Plange (Germany), Hans-Peter Rihs (Germany), Monika Raulf (Germany), Stefani Roeseler (Germany)

1051 Induction of IL-9-Producing Mucosal Mast Cells (MCC9s) Contributes to the Comorbidity of Allergic Diseases | Dana Shik (United States), Andrew Smith (United States), Wang Yui His (United States)

1055 Single Practice Eight-Year Experience Treating Food Allergy with Oral Immunotherapy | Richard Wasserman (United States), Deanna Pence (United States), Joanna Rolen (United States), Robert Sugerman (United States), Stacy Silvers (United States), Qurat Kamili (United States)

1065 Assessing Severity of Peanut-Allergic Reactions during Research Food Challenges | Antony Aston (United Kingdom), Paul Turner (United Kingdom), Monica Ruiz-Garcia (United Kingdom), Robert Boyle (United Kingdom), Simon Brown (Australia)

1071 Study on Hand Washing Practices and Occurrence of Microbes on the Hands of Food Handlers | Deepika Ramachandra (India)

1072 Food Allergy | Liana Lorjoliani (Georgia), Rusudan Karseladze (Georgia), Lali Saginadze (Georgia), Nino Adamia (Georgia), Natalia Chkuaseli (Georgia)

1083 Prescription Patterns of Epinephrine Auto-Injectors for Treatment of Anaphylaxis in Manitoba Children | Herman Tom (Canada), Elinor Simons (Canada)

1086 The Complexity of Immune Diagnosis Child’s with Recurrent Inflammation of the Respiratory Tract, Suspected Food Allergy and Impaired Immunity - Case Report | Maria Golebiowska-Wawrzyniak (Poland), Katarzyna Morkiewicz (Poland)

1089 Socio-Economic Status Influences the Prevalence of Food Sensitisation and Food Allergy in Urban Cape Town Children | Michael Levin (South Africa), Selani Hobane (South Africa), Wisdom Basera (South Africa), Moresa Botha (South Africa), Claudia Gray (South Africa), Heather Zar (South Africa)

1100 Peri-Anaesthetic Anaphylaxis; Comparisons between Cardiovascular Manifestations in Children and Adults | Ekaterina Khaleva (United Kingdom), Henry T Bahnsen (United States), Amber Franz (United States), Lene Heise Garvey (Denmark), Nicola Jay (United Kingdom), Rubaiyat Haque (United Kingdom), Adam Fox (United Kingdom), Gideon Lack (United Kingdom), George du Toit (United Kingdom)

1102 Safety and Efficacy of First versus Subsequent Foods Oral Immunotherapy | Liat Nachshon (Israel), Michael Goldberg (Israel), Michael Levy (Israel), Yitzhak Kats (Israel), Arnon Elizur (Israel)

1104 Determination of Multiple Tree Nut Allergies among Tree Nut Allergic Patients | Arnon Elizur (Israel), Michael B Levy (Israel), Ronly Har-Even (Israel), Liat Nachshon (Israel), Mor Carmel (Israel), Michael R. Goldberg (Israel)

1109 Hamilton Stock Epinephrine Pilot Study: Facilitators and Barriers to Implementation | Andrea Burke (Canada), Ernie Avilla (Canada), Monika Kastner (Canada), Susan Waserman (Canada)

1112 Anaphylaxis: A Life-Threatening Emergency, but Still Improperly Managed | Maria Luiza Kraft Kohler Ribeiro (Brazil), Ana Carolina Barcellos (Brazil), Hannah Gabriele Ferreira Silva (Brazil), Luis Henrique Mattei Carletto (Brazil), Marcela Carolina Bet (Brazil), Nathalia Zorze Rossetta (Brazil), Nelson Augusto Rosario (Brazil), Herberto Jose Chong-Neto (Brazil)

Names of presenting authors are underlined
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1113 Quality of Life in Patients with Food Allergy Before and After Resolution | Fernanda Valença (Brazil), Marina Novaes (Brazil), Mariana Gomes (Brazil), Carla Seifert (Brazil), Alfredo Neto (Brazil), Flavia Loyola (Brazil), José Rios (Brazil), Tatiana Silva (Brazil)

1114 Evaluation of Life Quality in Patients with Cow Milk Allergy | Aline Neves (Brazil), Marina Novaes (Brazil), Fernanda Valença (Brazil), Mariana Gomes (Brazil), Alfredo Neto (Brazil), Flavia Loyola (Brazil), José Rios (Brazil)

1120 Eosinophilic Esophagitis: Review of the Israeli Experience in an Allergy Reference Center | Miguel Stein (Israel), Tsili Zangen (Israel), Olga Bernadsky (Israel), Mona Boaz (Israel), Gratiana Hermann (Israel), Yoram Faiteelson (Israel), Ilan Dalal (Israel), Rachel Aviv (Israel), Olga Kuperboim (Israel), Larisa Ramichanov (Israel), Efrat Broide (Israel), Raanan Shamir (Israel), Noam Zevit (Israel), Ron Shaoul (Israel), Alex Fich (Israel), Arie Levine (Israel)

1142 Maternal Evaluation Knowledge on Epinephrine Auto-Injector Usage in Israel | Meital Almog (Israel), Aharon Kessel (Israel), Liora Apov (Israel)

1143 Omalizumab in Desensitization Food Techniques | Carlos Sanchez Salguero (Spain), Alvaro Sanchez Chacon (Spain)

1144 Climatic Conditions, Food Allergies | Abbas Nazarov (Uzbekistan), Shaxbos Ergashev (Uzbekistan)

1146 START: Susceptibility to Food Allergies in a Registry of Twins | Sarah De Shryver (Canada), Alizee Dery (Canada), Ann Clarke (Canada), Kari Nadeau (Canada), Laurie Harada (Canada), Kimberly Weatherall (Canada), Celia Greenwood (Canada), Denise Daley (Canada), Yuka Asai (Canada), Moshe Ben-Shoshan (Canada)

POS 3-2: Dermatology and Drug Allergy

Pincus Hall Foyer

Chairpersons: Mario Sanchez Borges (Venezuela), Edgardo Jares (Argentina)

1021 About 3% of Chronic Spontaneous Urticaria Patients have Vitiligo and Thyroiditis (autoimmune polyglanular syndrome IIIIC) | Pavel Kolkhir (Russia), Dmitry Pogorelov (Russia), Nikolay Kochergin (Russia)

1024 Retrospective Review of Beta Lactam Allergy Prevalence in a Referral Population | Alexander Singer (Canada), Andrew Wakeman (Ireland), Thomas Gerstner (Canada), Elisiss Adams (Canada)

1048 Characteristics of Serious Adverse Drug Reactions: Experience in a Single University Hospital | Cheol-Woo Kim (Korea), Young Hwa Choi (Korea), Jeong Hye Lee (Korea), Rae Jeong Cho (Korea)

1049 Spirodela Polyrhiza L. Extract Modulates Activation of the Atopic Dermatitis-Related Ion Channels, Orai1 and TRPV3 and Inhibits Mast Cell Degranulation | Yu Ran Nam (Korea), Joo Hyun Nam (Korea), Woo Kyung Kim (Korea)

1082 Sociodemographic and Socioeconomic Risk Factors for Adolescent Atopic Dermatitis in South Korea | Yeong Ho Rha (Korea), Kyung Suk Lee (Korea), Sun Hee Choi (Korea)

1084 Relationship between Breast-Feeding and Atopic Dermatitis in Early Childhood in South Korea | Kyung Suk Lee (Korea), Sun Hee Choi (Korea), Yeong Ho Rha (Korea)

1087 The Role of Skin Prick Test and Oral Challenge in the Diagnosis of Amoxicillin and Amoxicillin/Clavulanate Allergy in Children | Yoram Faiteelson (Israel), Miguel Stein (Israel), Avigdor Mandelberg (Israel), Ilan Dalal (Israel)

1088 Levofloxacin Induced TEN (toxic epidermal necrolysis) in HCV Patient: Successful Therapy with Omalizumab | Arzu Didem Yalcin (Turkey), Rusen Uzun (Turkey), Betul Celik (Turkey), Tangul Bulut (Turkey)

1097 Temporary Henna Tattoos: Fashion or Nightmare? | Nadezhda Camacho-Ordoñez (Mexico), Alejandra Josefina Martinez-Vázquez (Mexico), Maria de la Luz H Garcia-Cruz (Mexico)

1103 Hereditary Angiedema (HAE) in Children and Adolescents | Cristine Rosario (Brazil), Juliana Kasper (Brazil), Herberto Chong-Neto (Brazil), Carlos Riedi (Brazil), Nelson Rosário (Brazil)

1106 Prevalence and Risk Factors of Allergic Diseases | Nino Adamai (Georgia), Maia Kherkheulidze (Georgia), Lia Jorjoliani (Georgia), Irma Ubiria (Georgia)

1110 Dermatological Toxicities after Targeted Anti-Tumor Therapy | Denica Zheleva (Bulgaria), Razvigor Darlenks (Bulgaria)

1111 Anti-IgE Therapy in Chronic Spontaneous Urticaria | Konstantinos Bozinakis (Greece), Anastasios Kriebardis (Greece), Sofia Styliara (Greece), Aikaterini Karastathi (Greece), Nikolaos Farmakos (Greece)

1123 Rapid Insulin Desensitization | Mehninusa Karagic (United States), Mary Lee-Wong (United States)

1130 Rituximab: Desensitization as Part of Protocol Hematopoietic Stem Cell Transplantation (HSCT) on Fanconi Anemia | Miriam Martinez Perez (Mexico), Edna Venegas Montoya (Mexico), Monica Rodriguez Hernandez (Mexico), Cinthia Alejandro Falk Fuentes (Mexico), David Alejandro Mendoza Hernandez (Mexico)

1134 Immunological Criteria for the Activity of Allergic Inflammation and Prognosis of Infectious Complications in Children with Atopic Dermatitis | Tatiana Slavyanskaya (Russia), Revaz Sepiashvili (Russia)

Names of presenting authors are underlined
### Company Sponsored Symposia – Wednesday, 7 December

No CME Credits are earned during Company Sponsored Symposia

**COMPANY SPONSORED SYMPOSIA**

**CSS 1: Microbiome: The Good, the Bad and the Ugly**  
Organized by: Pharmabest distributors of MeadJohnson  
07:15 – 08:15  
CSS 1-1  Microbiome: The Good, the Bad and the Ugly | Ron Shaoul (Israel)

**CSS 2: A Case-based Approach to the Management of Difficult to Treat Chronic Urticaria**  
Organized by: Novartis  
07:15 – 08:15  
CSS 2-1  A Case-based Approach to the Management of Difficult to Treat Chronic Urticaria | Marcus Maurer (Germany)

**CSS 3: Personalized and Predictive Medicine and Big Data Analytics**  
Organized by: Teva  
12:15 – 13:15  
CSS 3-1  Personalized and Predictive Medicine and Big Data Analytics | Iris Grossman (Israel)

### Company Sponsored Symposia – Thursday, 8 December

**COMPANY SPONSORED SYMPOSIA**  

**CSS 4**  
Organized by: Novartis  
07:15 – 08:15  
CSS 4-1  Personalized and Predictive Medicine and Big Data Analytics | Shmuel Kivity (Israel)
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CIS Society of Allergology and Immunology is non profit professional organization. CIS Society of Allergology and Immunology was founded in 1983 and union more 2300 doctors (allergologists, immunologists, dermatologists, pediatricians, ENT doctors, pulmonologists) and National Allergy and Immunology Societies from 12 CIS countries.

Every year CIS Society of Allergology and Immunology organized different National and International Congresses. Next congress will be held in capital of Georgia - Tbilisi - Georgian Congress of Allergology and Immunology on June 28-July 1, 2017.

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**Contact:** Gali Ben Moshe

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**Fax:** +972-3-9229244  
**Contact:** Mrs. Miri Guterman

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**Contact:** Deby Arditti

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The Polish Society of Allergology (Polskie Towarzystwo Alergologiczne)

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The PTA's mission is based on a number of fundamental objectives, such as the propagation of knowledge about allergology in society and participation in the professional development of doctors in the field.

Our society also supports other social activities devoted to promoting a healthy life style, gives medical training for journalists and parents, and provides Members of the Executive Committee for interviews in the press, radio or on TV.

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