Final Program XXIV World Allergy Congress

14-17 October 2015 Seoul, Korea







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About WAO

The World Allergy Organization (WAO)

is an international alliance of 95 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.

Congress Secretariat

World Allergy Organization 555 E. Wells Street, Suite 1100 Milwaukee, WI 53202 USA Phone: +1 414 276 1791 Fax: +1 414 276 3349

Fax: +1 414 276 3349 Email: wac@worldallergy.org



About KAAACI

The Korean Academy of Asthma, Allergy and Clinical Immunology (KAAACI) has been devoted to

improve the treatment of allergic diseases and promote the understanding of allergy, asthma and clinical immunology. For nearly 40 years, the KAAACI has also been an active advocate of clinical and basic research.

Congress Secretariat

Korean Academy of Asthma, Allergy and Clinical Immunology

#1705 Kumho Palace Building, 29, Jibong-ro, Jonano-au

Seoul 110-541, Republic of Korea Phone: +82 2 747 0528

Fax: +82 2 3676 2847 Email: korall@chol.com



Collaborating Partner About APAPARI

The Asia Pacific Association of Pediatric Allergy, Respirology &

Immunology (APAPARI) is the professional medical specialty organization representing pediatricians, allied health professionals and other physicians in the Asia-Pacific region who have a special interest in Allergy, Clinical Immunology, and Respirology.

Local Professional Congress Organizer



MCI Korea

8F, TKOK Bldg., 12, Teheran-ro 86-gil, Gangnam-gu Seoul, Korea, 135-845

Phone: +82 70 7862 7344 Email: wac2015@mci-group.com

Congress Website www.worldallergy.org/wac2015

Welcome to the XXIV World Allergy Congress!

Dear Colleagues and Friends,

On behalf of the Organizing Committees, it gives us great pleasure to welcome you to Seoul for the XXIV World Allergy Congress (WAC) 2015. The world's top professionals in the field of allergy and immunology have gathered here in Seoul for what is sure to be a productive meeting.

As a global alliance of national and regional allergy, asthma and clinical immunology societies, the World Allergy Organization proudly partners with its member societies to host its Congress. The World Allergy Organization would like to thank the Korean Academy of Asthma, Allergy and Immunology (KAAACI), and their mutually collaborating partner the Asia Pacific Association of Pediatric Allergy, Respirology and Immunology (APAPARI), for collaborating with WAO on WAC 2015. We also want to take this opportunity to thank the exceptionally skilled and committed 200+ faculty members, a truly international and versatile group.

Delegates may count on a stimulating and varied scientific program that is highly relevant to both the theory and practice of allergy and clinical immunology. We hope that each of you as practitioners, educators, and researchers will take away from this Congress valuable information about the most recent advances in the specialty.

Facilitating and enhancing the science being presented is the bustling metropolis of Seoul, Korea. The Han River, ancient palaces, Royal Shrines of the Joseon Dynasty, and the fall foliage, as well as the exquisite spices and sauces of Korean cuisine, will frame our experience as we learn and network and absorb the culture of Seoul.

We warmly welcome you to Seoul, Korea!



Lanny J. Rosenwasser
WAO President
Congress President
Steering Committee Member



Mario Sánchez Borges WAO President Elect Steering Committee Member



Ruby Pawankar WAO Past President Steering Committee Member



Hae-Ran Lee KAAACI President Steering Committee Member



Byoung Whui Choi KAAACI Past President Steering Committee Member



Hee-Bom MoonLocal Organizing Committee, Chair

For current information and updates on the Congress, follow us on:



www.facebook.com/worldallergyorg



@worldallergy

Join the Conversation: #WAC2015

Congress Website: www.worldallergy.org/wac2015

Contact Us

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About WAO

ABOUT WAO

The World Allergy Organization (WAO) is an international umbrella organization of 95 regional and national allergy, asthma and clinical immunology societies from around the world. By collaborating with member societies, WAO provides direct educational outreach programs, symposia and lectureships to members in nearly 100 countries around the globe. For your National Allergy Society to become a WAO Member Society, you must complete an application: www.worldallergy.org/wao_societies/apply.php.

The organization was founded in 1951 and has successfully organized 23 major congresses. WAO also sponsors scientific symposia in developing areas throughout the world and jointly sponsors postgraduate programs on allergy, asthma and clinical immunology during professional non-allergy association congresses.

WAO is expanding its purview in a direct effort to bring together all who are engaged in allergy, asthma and clinical immunology research and/or practice throughout the world. The organization provides advice and active support to member societies with the mission of building a global alliance of allergy societies which advances excellence in clinical care through research, education and training in allergy, asthma and immunology.

MISSION

The mission of WAO is to be a global resource and advocate in the field of allergy, asthma 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 scientific meeting — biennially in different regions of the world. Please join us in Orlando, FL, USA in 2018.

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. Please join us in Jerusalem, Israel in December, 2016.

WAO Symposium

In 2013, WAO launched its theme-based Symposium. The WAO Symposium offers insights into the most recent advances and cutting-edge research on a chosen theme. Please join us for the Symposium on Food Allergy and the Microbiome in Miami, FL, USA from 5-6 December 2015.

WORLD ALLERGY ORGANIZATION 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 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

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 reference databases, clinical resources, and a wide range of materials specifically designed for continued medical training.

Popular resources include:

- Specially commissioned educational synopses ("Disease Summaries") on major topics posted in the Allergic Diseases Resource Center
- Interactive case reports that challenge alleraists to diagnose unusual cases
- Online lecture series including topics of Co-morbidities of Asthma and Allergic Rhinitis, Basic Immunology, and Allergic Rhinitis and Asthma
- WAO TV, a library of audio and video recordings of interviews with key opinion leaders around the world
- A special section, Defining the Specialty, which provides easy access to WAO
 publications and other resources that help to define the specialty of allergy and
 immunology, including the WAO White Book on Allergy Update 2013

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

WAO PROGRAMS FOR EDUCATION, RESEARCH AND PATIENT CARE

World Allergy Forum ® (WAF)

The World Allergy Forum ® (WAF) program brings cutting edge symposia to major allergy meetings throughout the world. Developed by international expert advisory panels, the symposia provide up-to-the-minute presentations on scientific and clinical developments in the field of allergic disease. 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 at www.worldallergy.org/waf.

Emerging Societies Program (ESP)

In order to advance the WAO mission of supporting developments that will enable allergists to better serve patients now and in the future, the Emerging Societies Program (ESP) aims to disseminate information on and share experiences about 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 also started to offer World Allergy Training Schools (WATS) in various regions of the world held in partnership with the American College of Allergy, Asthma and Immunology (ACAAI). View all ESP activities at www.worldallergy.org/esp.

WAO PUBLICATIONS

WAO papers support and promote the specialty of allergy and help set standards for clinical practice and training. A full bibliography is available at www.worldallergy.org/publications/.

WORLD ALLERGY WEEK

In conjunction with its member societies, WAO hosts the annual World Allergy Week 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. Activities cover a wide spectrum to include press coverage locally and internationally, patient information sessions and free clinics, educational resources online, interaction through social media avenues, lectures and workshops for clinicians, and interviews for radio and television programs. The next World Allergy Week will be held 4-10 April 2016. Watch for updates and view past activities at www.worldallergyweek.org.

WAO Member Societies

Member Societies

Albanian Society of Allergology and Clinical Immunology National Association for Private Algerian Allergists 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 Australasian Society of Clinical 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 Chilean Society of Allergy and 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** 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 Hellenic Society of Allergology and Clinical Immunology Honduran Society of Alleray and Clinical Immunology Hong Kong Institute of Allergy Hungarian Society of Allergology and Clinical Immunology Icelandic Society of Allergy and Immunology 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 Korean Academy of Allergy, Asthma and Clinical Immunology Kuwait Society of Alleray 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 Alleray 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 Alleray 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 Alleray Society of South Africa Spanish Society of Allergology and Clinical Immunology Allergy & Immunology Society of Sri Lanka Swedish Association for Alleraology Swiss Society of Allergology and Immunology Allergy, Asthma and Immunology Society of Thailand Tunisian Society of Respiratory Diseases and Allergology Turkish National Society of Allergy and Clinical Immunology 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, Respirology and Immunology Commonwealth of Independent States Society of Allergy and Immunology 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 International Association of Asthmology (INTERASMA) International Primary Care Respiratory Group Southern European Allergy Societies

Associate Members

Allergy Society of Kenya Armenian Association of Immunology and Allergy Ecuadorian Society of Allergy, Asthma, and Immunology Guatemalan Allergy, Asthma and Clinical Immunology Association Indian Academy of Allergy Taiwan Academy of Pediatric Allergy Asthma Immunology Ukrainian Allergists Association

Welcome to Seoul

Welcome to Seoul, Korea!

Seoul has been the capital of Korea for about 600 years, since the time of the Joseon Dynasty. Seoul has developed into a bustling metropolis, acting as the hub for political, economic, social, and cultural matters. The Han River runs through the heart of the city. The river divides the city in two; the northern part of the city is a focal point for culture and history, while the southern part is well known for its business district. Seoul has hosted many international events including: 1986 Asian Games, 1988 Olympic Games and 2002 Korea/Japan FIFA World Cup. The success of these events has shown people that Seoul is truly an international city. In Seoul you can find ancient palaces and Royal Shrines of the Joseon Dynasty, as well Seoul World Cup Stadium, 63 CITY building, Lotte World, Han River, Namsan, Bukhansan Mountain National Park, Daehangno, Insa-dong, Itaewon, Myeong-dong, Apqujeong, Namdaemun and Dongdaemun Markets.



Coex Convention Center

World Trade Center 513 Yeongdong-daero, Gangnam-gu Seoul, Korea 135-731







VISIT WAO'S NEWLY UPDATED WEBSITE

The following FREE resources are available online:

Educational Resources

Online Learning Modules and Lectures

Allergic Diseases Resource Center

Interactive Case Reports

Clinical Allergy Tips

Medical Journal Article Summaries

Ask the the World Experts

Scientific Interviews with Experts

Medical Book Reviews

Member Resources

World Allergy Organization Journal

Evidence-Based Allergy

WAO News & Notes Monthly Electronic Newsletters

WAO Junior Members Group

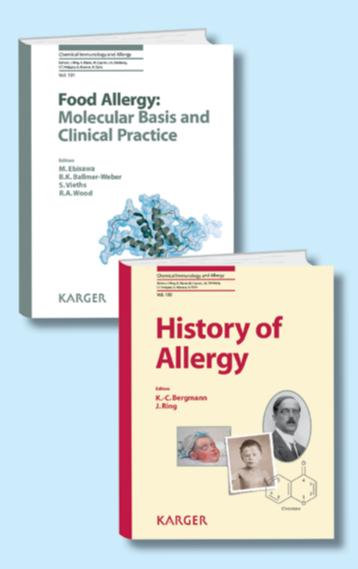
Research and Training Resources

Defining the Specialty



DEDICATED TO REACHING ALLERGISTS EVERYWHERE

New Publications in Allergology



Chemical Immunology and Allergy, Vol. 101

Food Allergy: Molecular Basis and Clinical Practice

Editors: Ebisawa M. (Sagamihara); Ballmer-Weber B.K. (Zurich); Vieths S. (Langen); Wood R.A. (Baltimore, Md.) XVI + 278 p., 19 fig., 4 in color, 56 tab., hard cover, 2015 CHF 196.00 / EUR 183.00 / USD 231.00 ISBN 978-3-318-02340-4

Chemical Immunology and Allergy, Vol. 100

History of Allergy

Editors: Bergmann K.-C. (Berlin); Ring J. (Munich) XX + 426 p., 257 fig., 127 in color, 20 tab., hard cover, 2014 CHF 115.00 / EUR 107.00 / USD 135.00 ISBN 978-3-318-02194-3

Prices subject to change, VAT not included. EUR price for eurozone countries, USD price for USA and Latin America only



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Editors-in-Chief: R. Valenta, B. Bohle (Vienna)

The international forum for high-quality, innovative research in allergy and immunology since 1950



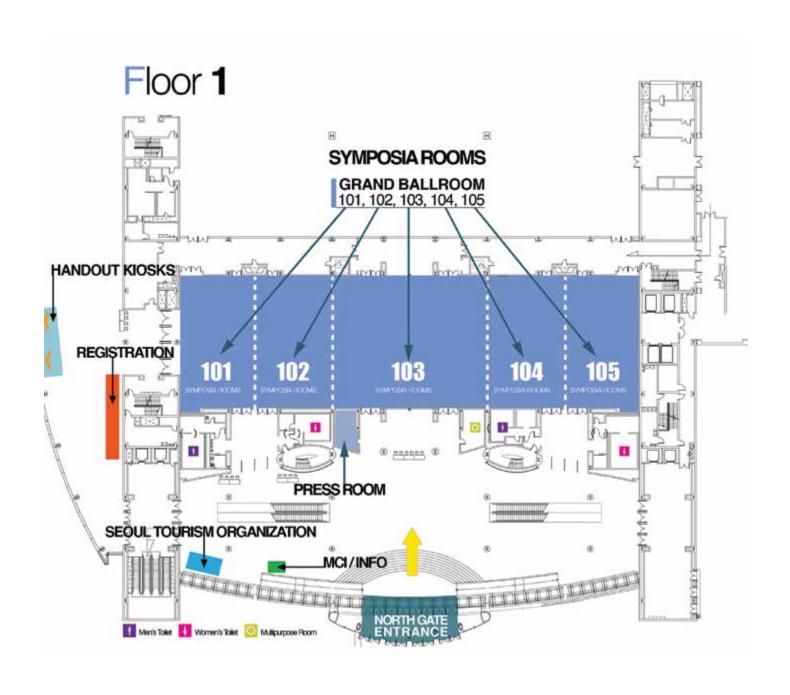
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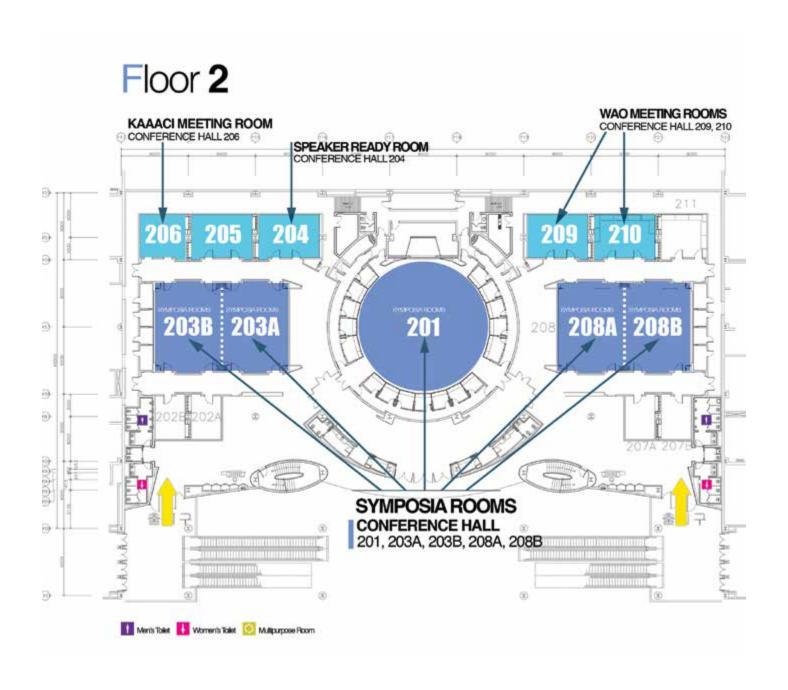




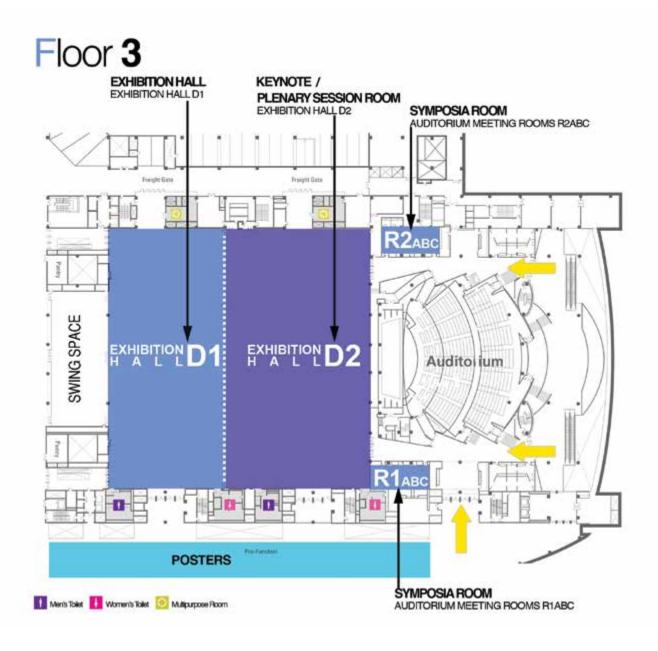
Coex Convention Floor Maps

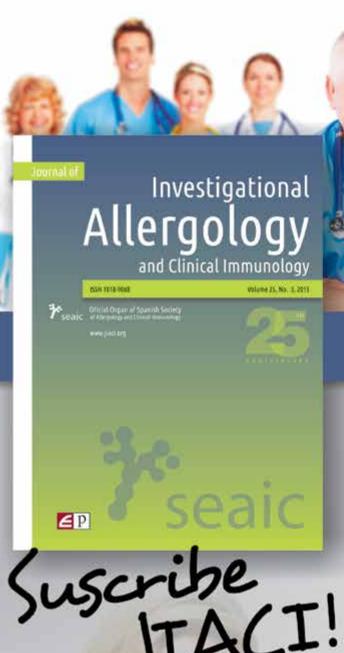


Coex Convention Floor Maps



Coex Convention Floor Maps







The Journal of Investigational Allergology and Clinical Immunology

(J Investig Allergol Clin Immunol)

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And we are growing!



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Congress Information, A-Z

ABSTRACTS

Accepted abstracts that were submitted for the WAC 2015 have been placed in Oral Abstracts on 14-16 October and Poster Sessions on 14-17 October. Abstract numbers are listed to the left of the abstract title in this Final Program. This number can be used to view, download or print the abstracts that interest you, by using the Handout Kiosks or www.worldallergy.org/wac2015. Handout Kiosks are located on Floor 1 of the Coex Convention Center in the Registration area.

BADGES

Each participant receives a name badge upon check-in at the Registration Desk. The name badge is the official Congress document and should be worn at all times in order to gain entry to the Congress session rooms and other events. Please note that access to any of the Congress 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 badges at all times in all areas. If you lose your name badge, a new one can be purchased at the Registration Desk for \$50 USD / KRW 60,000 with photo identification.

CERTIFICATE OF ATTENDANCE

To receive your Certificate of Attendance, please visit the Registration Desk, Floor 1, of the Coex Convention Center, North Gate Entrance. On the computers provided, you can log in using your last name and the ID number on your name badge. You will then be asked to complete a short evaluation of the Congress. CME Certificates can also be printed at the Registration Desk

If you do not have time to visit the Registration Desk during the Congress, the same evaluation will be available on the WAO website after the Congress.

CONTINUING MEDICAL EDUCATION (CME) AND CONTINUING EDUCATION (CE) CREDITS

The XXIV World Allergy Congress is accredited by the European Accreditation Council for Continuing Medical Education (EACCME).

European Accreditation Council for Continuing Medical Education (EACCME) The XXIV World Allergy Congress is accredited by the European Accreditation



Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.



The XXIV World Allergy Congress is designated for a maximum of 24 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Division of Credits

Wednesday, 14 October: 6 hours Thursday, 15 October: 6 hours Friday, 16 October: 6 hours Saturday, 17 October: 6 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

To receive your CME Certificate, please visit the Registration Desk on Floor 1, of the Coex Convention Center, North Gate Entrance, beginning on Friday, 16 October. You can log in using your last name and the ID number on your badge. You will then be asked to complete a short evaluation of the Congress and indicate which days you attended the Congress. After you have completed these steps, a CME Certificate will print.

If you do not have time to visit the Registration Desk during the Congress, the same evaluation will be available on the WAO website after the Congress.

COFFEE BREAKS

Coffee Breaks on 14 October are located on Floor 1, Grand Ballroom Foyer. Coffee Breaks on 15, 16 and 17 October are located in the Exhibit Hall*, Hall D1 on Floor 3.

*Those Exhibitors serving coffee will be identified with **_____** on the Exhibitor Floor Plan found on page 86.



DRESS

Dress for the Congress is business casual.

EVALUATIONS

Congress evaluations can be filled out at the Registration Desk on Floor 1, of the Coex Convention Center, North Gate Entrance beginning on Friday, 16 October.

If you do not have time to visit the Registration Desk during the Congress, the same evaluation will be available on the WAO website after the Congress.

EVENTS

Name badges and tickets are strictly required for all events.

The XXIV World Allergy Congress (WAC 2015) invites delegates to participate in the following special events. Events have been created to give delegates the opportunity to network.

WAC 2015 Opening Ceremony*

14 October 2015

18:00 - 19:30

Hall D2, Floor 3, Coex Convention Center

Join fellow delegates, faculty and the WAO Leadership in Hall D2, Floor 3, of the Coex Convention Center for the Opening Ceremony to launch the Congress.

WAC 2015 Welcome Reception*

14 October 2015

19:30 - 21:00

Hall E, Floor 3, Coex Convention Center

*Badge Required

Guests - Welcome Reception

If you would like to bring a guest to the Welcome Reception, please visit the Registration Desk.

Price

WAC 2015 Welcome Reception: \$30 USD

Congress Information, A-Z

EXHIBIT HALL

A commercial exhibition will take place on the following dates and times and is located in the Exhibit Hall in Hall D1 on Floor 3 of the Coex Convention Center.

15 October 2015: 09:00 - 17:00 16 October 2015: 09:00 - 17:00 17 October 2015: 09:00 - 15:30

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

GUESTS AND CHILDREN

Delegates are asked to refrain from bringing guests and children to WAC 2015.

HANDOUT KIOSKS

Handout Kiosks are located on Floor 1 of the Coex Convention Center in the Registration area. Congress participants are encouraged to use these kiosks to view, download or print handouts. Handouts are provided by the Congress speakers and should be used to enhance your learning experience. Handouts include reading lists, outlines of presentations or PowerPoint slides.

To find a specific handout, you can search by the handout number (displayed on the left side of the talk title in this Final Program), by author name, session, talk title or topic.

Congress participants may also use the Handout Kiosks to view, download or print abstracts that are of interest. Abstract numbers are listed to the left of the abstract title in this Final Program.

If you do not have time to visit a Handout Kiosk during the Congress, handouts will be available on the WAO website after the Congress.

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 WAC 2015, 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 WAC 2015 proceedings arising from natural, political, social or economic events or other unforeseen incidents beyond its control. Registration of a participant implies acceptance of this condition.

The materials presented at this continuing medical education activity are made available for educational purposes only. 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.

INTERNET ACCESS

Wireless internet access is available in the public areas of the Coex Convention Center; no password is required to access. Individual wireless connection is available for purchase at the SK Broadband customer center; located on Floor 2, B31, Trade Mart of the Coex Convention Center.

LANGUAGE

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

LOST AND FOUND

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

LOST BADGES

If you lose your name badge, a new one can be purchased at the Registration Desk on Floor 1 for \$50 USD / KRW 60,000 with photo identification.

MCI KOREA INFORMATION DESK



The MCI Korea Information Desk is located on Floor 1, of the Coex Convention Center, North Gate Entrance. Please visit the desk for more information regarding WAC 2015 Accommodations, optional Tours and Hotel Transfer information. You may also book airport transfers here.

This desk is staffed by MCI Korea. The World Allergy Organization has appointed MCI Korea as the PCO and Official Agency handling Accommodation, Tours and Transfers for WAC 2015.

MOBILE APPLICATION

The WAC 2015 mobile app will be available to all delegates during the Congress! The app is designed to provide information about the Scientific Conference and Seoul in one convenient location and can be accessed through your smart phone (iPhone or Android).



For more information on the mobile app, visit www.worldallergy.org/wac2015

MOBILE PHONE POLICY

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

NO SMOKING POLICY

Smoking is not permitted during any meeting activity or event.

PARKING

Parking is available at the Coex Convention Center. For more information please see the MCI Korea Information Desk on Floor 1, of the Coex Convention Center, North Gate Entrance.

Parking fees

- Cars: 1,200 KRW per 15 minutes (stays of under 5 minutes free) / maximum 48,000 KRW for full day
- Grace period: No parking fee for stays of less than 15 minutes. Normal parking fee applies to vehicles parked for more than 15 minutes.
- Handicapped persons: 50% discount

PAYMENTS

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

PHOTOGRAPHY

By registering to attend WAC 2015, you acknowledge and agree that official photographs taken during the Congress may be used for future WAO meeting promotional purposes and may be shared in the Congress Photo Gallery and post event news updates. Please contact the WAO Secretariat if you have any concerns with this policy. Personal photography is allowed, but please refrain from flash photography during the sessions.

Congress Information, A-Z

POSTER SESSIONS

Poster Sessions are held in the Hall D Pre-Function on Floor 3 of the Coex Convention Center on 14, 15, 16 and 17 October, Please check the Scientific Program schedule for exact times. Presenting Authors will stand next to their posters and be available for discussion and questions.

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

OUTSTANDING ABSTRACT AWARDS

Abstracts that scored highly are awarded with WAC 2015 Outstanding Abstract Awards. Awards will be given at the beginning of the final Poster Session.

Saturday, 17 October at 12:30. Hall D Pre-function, Floor 3

Abstracts revieving awards will be identified with an ext to the Abstract Number in the Oral and Poster Session Section of this Final Program.

PRESS ROOM

The Press Room is located in Room B (outside the Grand Ballroom) on Floor 1, of the Coex Convention Center, North Gate Entrance. To obtain a press pass onsite, journalists must provide media identification or a business card issued by their news organization. Freelance writers must provide a letter of assignment on a news organization letterhead or bylined articles from a recognized news organization. Press badges are issued to journalists representing the editorial staff of print, broadcast, or internet media.

Open Hours:

Wednesday, 14 October	08:00 - 17:00
Thursday, 15 October	08:00 - 17:00
Friday, 16 October	08:00 - 17:00
Saturday, 17 October	08:00 - 17:00

REFUNDS

There are no refunds for on-site payments.

REGISTRATION

Registration is located on Floor 1, of the Coex Convention Center, North Gate Entrance.

Open Hours:

Tuesday, 13 October	15:00 - 19:00
Wednesday, 14 October	07:30 - 18:00
Thursday, 15 October	07:30 - 17:00
Friday, 16 October	07:30 - 17:00
Saturday, 17 October	07:30 - 17:00

Congress 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
- Congress Registration Bag and Materials

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

RIBBONS

Ribbons are available near the Registration Desk on Floor 1, of the Coex Convention Center. North Gate Entrance.

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 #WAC2015 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 READY ROOM

The Speaker Ready Room is located in Room 204 on Floor 2 of the Coex Convention Center.

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

The hours of the Speaker Ready Room are:

15:00 — 19:00
07:30 - 18:00
07:30 - 17:00
07:30 - 17:00
07:30 - 17:00

TRANSPORTATION



supporting WAC 2015. For

those delegates using public transportation, a complimentary MICE Card, which is a public transportation pass as well as a device used to pay for taxi fares, may be picked up at the MCI Korea Booth on Floor 1, of the Coex Convention Center, North Gate Entrance.

VENUE

The venue of WAC 2015 is the Coex Convention Center in Seoul, Korea.

Coex Convention Center, North Gate Entrance

World Trade Center

513 Yeongdong-daero, Gangnam-gu

Seoul 135-731, Korea

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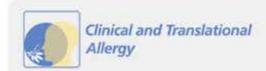
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Scientific Program Information

OBJECTIVES

- To provide insights into the mechanisms and phenotypes of all significant allergic/immunologic diseases by reviewing and evaluating the origins and severity of each disease as they relate to the environment, infection and patient susceptibility
- To highlight the most recent advances and strategies in treatment and prevention of developing allergy and severe syndromes through utilizing immunotherapy and immunomodulators, including infectious derived materials that alter the response to allergens
- 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

WAC 2015 offers delegates educational opportunities in many different formats.

APAPARI POST GRADUATE COURSES

APAPARI Post Graduate Courses are designed especially for fellows-in-training and WAO Junior Members, presenting the latest research and treatment approaches to a variety of allergic disorders. Emphasis on the differences between the global and Asia-Pacific data will be one of the highlights of these courses. These courses will take place on 17 October.

COMPANY SPONSORED SYMPOSIA

Company Sponsored Symposia are organized by industry. Company Sponsored Symposia are scheduled for 90 minutes on 15, 16 and 17 October. No CME credits are earned during Company Sponsored Symposia.

JUNIOR MEMBER PRACTICAL COURSES

Practical Courses provide 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!

KAAACI-KAPARD SYMPOSIA

KAAACI-KAPARD Symposia are National Symposia jointly organized by two major allergy societies in Korea, the KAAACI (The Korean Academy of Asthma Allergy and Clinical Immunology) and the KAPARD (The Korean Academy of Pediatric Allergy and Respiratory Disease). The KAAACI-KAPARD Symposia are scheduled for 90 minutes and will be held on 17 October.

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 on 14, 15, 16 and 17 October.

NEW HORIZON SESSIONS

New Horizon Sessions are designed to showcase the latest science in allergy, asthma and clinical immunology. Delegates will hear in-depth, varied perspectives on each topic from the premier presenters in the field. New Horizon Sessions are focused tracks that are scheduled on 14 and 17 October.

ORAL ABSTRACT SESSIONS

Oral Abstract Sessions are thematic sessions that have been created highlighting the top reviewed submitted abstracts. Abstract authors give didactic presentations summarizing their research. Oral Abstract Sessions are scheduled for 90 minutes on 14, 15 and 16 October.

PEDIATRIC SESSIONS

The Pediatric Sessions, programmed with APAPARI, will focus on the advancement of the knowledge and practice of pediatric allergy, respirology and immunology for optimal patient care. The Pediatric Sessions are scheduled for 90 minutes on 14, 15, 16 and 17 October.

PLENARY SESSIONS

Plenary Sessions are the premier educational sessions of the Congress, presenting topics in didactic format to delegates. The speakers of the Plenary Sessions are to be considered top experts in their field. Plenary Sessions are scheduled on 14, 15, 16 and 17 October, for 90 minutes.

POSTER SESSIONS

Poster Sessions feature accepted abstracts and the posters are displayed throughout the Congress. Poster Sessions are scheduled for one hour on 14, 15, 16 and 17 October 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 90 minutes and will be held on 15, 16 and 17 October.

SYMPOSIA

Symposia are didactic sessions and present topics of specific interest, providing the opportunity for in-depth and detailed exploration. Symposia are scheduled for 90 minutes on 15, 16 and 17 October.

WORKSHOPS

Workshops are either interactive or didactic. These sessions are smaller and aimed at audience participation. Workshops are scheduled for 90 minutes on 14, 15, 16 and 17 October.

SESSION GUIDE

PG	APAPARI Post Graduate Course
CSS	Company Sponsored Symposium
JM	Junior Member Practical Course
JSY	Junior Member Symposium
KEY	Keynote Lecture
NAT	KAAACI-KAPARD Symposium
NH	New Horizon Session
2 ለበ	Oral Abstracts

OAS Oral Abstracts
PED Pediatric Session
POS Poster Session
PS Plenary Session

SSS Sister Society Symposium

SY Symposium WS Workshop

Congratulations to the 2015 WAO Travel Grant Recipients

The 2015 Travel Grant Awardees Are:

Africa/Middle East

Alireza Zarebidoki I Iran

Asia Pacific

Amit Agarwal I India
Kaushik Chakraborty I India
Sung Wook Hong I Korea
Kuang Chih Hsiao I Australia
Thatchai Kampitak I Thailand
Azwin Lubis I Indonesia
Lou Ver Leigh Manzon I Philippines
Dinh Van Nguyen I Vietnam
Sailesh Palikhe I Korea
Mouli Saha I India
Pattraporn Satitsuksanoa I Thailand
Wai Tuck Soh I Thailand
Toshio Suzuki I Japan

Europe

Tu/Hoang Kim Trinh I Korea

Alina Gaisina I *Russia*Marius Iordache I *Romania*Sergejs Kuzņecovs I *Latvia*Galina Kuznecova I *Latvia*Anton Laskin I *Russia*Olga Semernik I *Russia*Elisa Villa I *Italy*Satish Yadav I *Nepal*Zsuzsanna Zotter I *Hungary*

North America

Jamie Kiehm I *United States*Julie Kim Chang I *United States*Jennifer Toh I *United States*

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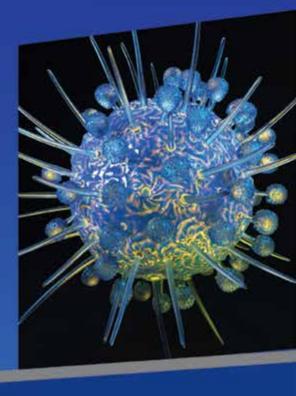
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Vol. 5 • No.3 • Oct 2015

Call for papers!

The official journal of Asia Pacific Association of Allergy, Asthma, and Clinical Immunology (APAAACI)

Find out more at the website. www.apallergy.org







Wednesday, 14 October 2015

<i>7</i> :30														
7:45														
8:00														
8:15														
8:30			KEY 1: The Alain de Weck Honorary Lecture: Lifestyles of T Regulatory Cells											
8:45			Hall D2											
9:00														
9:15 9:30		DC 1. Language of the Control of the												
9:45		PS 1 : Immunotherapy: Recent Advances and the Future Hall D2												
10:00		Hun DZ												
10:15														
10:30					Coffee	Break								
10:45					Grand Ball									
11:00									JM 1: Ear, Nose					
11:15			NH 2: Biomarkers			WS 1: Non-Allergic			and Throat At-A-					
11:30		NH 1: Evidence in Allergen-Specific	for Asthma Using	NH 3: Biologics in Severe Allergic	PED 1: Severe	Rhinitis: Current	WS 2: Se Adverse I		Glance: Rhinoscopy,	OAS 1: Asthma				
11:45		Immunotherapy	Omics Technology	Diseases	Asthma in Children	Evidence and Unmet	Reactio	•	Radiology, Nitric Oxide,	Room R1 ABC				
12:00		Grand Ballroom 103	Grand Ballroom	Grand Ballroom 101	Grand Ballroom 102	Needs	Room 2		Rhinomanometry,	KOOM KT ADC				
	en		104 & 105			Room 203 A&B			Endoscopy					
12:15	9 n								Room 208 A&B					
12:30	Registration Open													
12:45	Regis				Poster S	essions -Function								
13:00					παιι ν ετα	Э-гипспоп								
13:30														
13:45		NH 4: Innovative	NH 5: Endotypes	MILLA COS LIN L		WC O D	SSS 1 : S	EAS						
14:00		Technology	of Chronic Rhinosinusitis: ICON	NH 6: Critical Novel Molecules for Allergic	PED 2: Asthma in	WS 3: Recent Updates in Chronic	Symposi		JM 2: Lung Function and Bronchial	OAS 2: Skin Allergy				
14:15		in Allergen	III Allergeri Cossion Disogras Children		Urticaria	Asthma Con		Hyperreactivity Tests	Room R1 ABC					
14:30		Immunotherapy Grand Ballroom 103	Grand Ballroom	Grand Ballroom 101	Grand Ballroom 102	Room 201	Management Room 203 A&B Room 208 A&B							
14:45		Olulia Bulliootti 103	104 & 105			NOUIII ZOO AGD								
15:00					Coffee	Break			ı					
15:15					Grand Ball									
15:30			NH 8: Personalized											
15:45		NH 7: Food	Medicine: The Way	NH 9: Biomarkers,	PED 3: Innovative Approaches in the	WC 4. Allergies in	WS 5: Be IgE-Medi		JM 3: Challenge Tests and					
16:00		Immunotherapy: A	Forward in Allergy	Biosimilars and	Management of	WS 4: Allergies in the Tropics	Mechanism:		Desensitization in	OAS 3: Food Allergy				
16:15		Global Perspective	and Asthma	Selection of Patients	Asthma	Room 203 A&B	Workplo		Drug Allergy	Room R1 ABC				
16:30		Grand Ballroom 103	Grand Ballroom 104 & 105	Grand Ballroom 101	Grand Ballroom 102		Room 2	01	Room 208 A&B					
16:45 17:00			.51 0 705											
17:00 17:15									Session Guid	e				
17:13 17:30		Immunotherap	y Track	New Horizons: 1, 4,	7			CSS	Company Sponsore	d Symposium				
17:45		Asthma & Airw		New Horizons: 2, 5				JM	Junior Member Pra	ctical Course				
18:00		Allergy, Atopic	Dormatitic and	· · ·				JSY	Junior Member Syn					
18:15		0,,	n Allergy Track	New Horizon: 8				KEY	Keynote Lecture					
18:30		Biotherapeutics		New Horizon: 3, 6, 9	WAC 2015 Ope	ning Ceremony		NAT	National Society Sy	mnosium				
18:45		2.0orapodite			•	D2			· · ·					
19:00			NH New Horizon Session											
19:15								OAS	Oral Abstract Sessio	n				
19:30								PED	Pediatric Session					
19:45								PG	APAPARI Postgradu	ate Course				
20:00					WAC 2015 Wel	come Reception		PS	Plenary Session					
20:15					Grand Ball	room Foyer		SSS	Sister Society Symp	osium				
20:30								SY	Symposium					
20:45								WS	Workshop					
21:00								113	TOTROTTOP					

7:30

Thursday, 15 October 2015

7:30															
7:45 8:00															
8:15															
8:30					(FY 2 • Carlos F. Ba	iena-Caanani Hono	rary Lecture.	The Str	atewide Ohio Ped	iatric Asthma Repo	sitory (ollahorative	i i		
8:45				·	ter e. cumos e. be	iona cagnam riono	rai y Euciuiu.	Hall L		iame rismina Ropo	311017 C	, indbording	,		
9:00															
9:15															
9:30				PS 2: Viral Exacerbation of Asthma											
9:45			Hall D2												
10:00															
10:15															
10:45								Bred	ak						
					CV 0 1 1	PED 4:			CCC 0 FAACI						
11:00			SY 1: Social		SY 3: Advances in the	Why Don't			SSS 2: EAACI Symposium -	WS 6: Patient			JM 4: Skin		
11:15			Consequences and Evidence-	CV 2. Hot Topics	Management	Pharmacological	CSS 1: Refe	. to	Precision	Education and		Primary nuno-	Testing for Allergy		
11:30			Based	SY 2: Hot Topics in Asthma	of Atopic	Agents Work Well in	Page 45		Medicine: From	Adherence		ciency,	Diagnosis:	OAS 4: Drug	
11:45			Medicine and	Grand Ballroom	Dermatitis: A Practical	Treatment of	Grand Ballro		Molecular Signatures	in Allergy and Atopic	Aller	gy and	Prick Test,	Allergy Room R2 ABC	
10.00	_		Immunotherapy	104	Approach	Asthma in Very	102		to Predicting	Dermatitis		nmation	Intradermal and Patch Test	NUUIII NZ ADC	
12:00	0pen		Grand Ballroom 103		Grand Ballroom	Young Children? Grand Ballroom			Biomarkers	Room 208 A&B	Koo	m 201	Room R1 ABC		
12:15	Registration				105	101			Room 203 A&B				Noom NY 712 C		
12:30	egistı	pen													
12:45	~	Exhibition Hall Open	Poster Sessions												
13:00		tion I					Hall	I D Pre-I	Function						
13:15		xhibi	SY 4:												
13:45		Ш	Screening	SY 5: Recent	CV (A) :	SY 7: Coding	DED E WI			SSS 3: ACAAI	WS	8 : Oral	IM 5.	OAC F. Districts	
14:00			for Primary	Advances in	SY 6: Atopic Dermatitis: A	Allergy: Getting it Right in	PED 5: Wha		CSS 2: Refer to	Symposium - Challenges to		otherapy	JM 5: Conjunctival and	OAS 5: Rhinitis, Rhinosinusitis,	
14:15				Understanding Comprehensive the New			from Gene		Page 45	the Practicing		ediatric nts with	Nasal Allergen	Ocular	
14:30			A Global	Elderly	Update	International	Studies		Grand Ballroom	Allergist/		Allergy	Challenges:	Allergies and	
			Perspective	Grand Ballroom	Grand Ballroom 105	Classification of Diseases (ICD)	Grand Ballro 101	om	102	Immunologist in the USA		Asia	When and How Room R1 ABC	Comorbidities Room R2 ABC	
14:45			Grand Ballroom	104	103	Room 208 A&B	101			Room 203 A&B	Roo	m 201	KOUIII K I ADC	NUUIII NZ ADC	
15:00			103												
15:15								Bred	ak						
15:30					SY 10: The				SSS 4: AAAAI						
				SY 9: The Most	Epithelium	PED 6:			Symposium -		WS 9	: Neuro-	JM 6: Allergy		
15:45			SY 8: Eosinophil	Important Cause	in Immune Regulation:	Environment	CSS 3: Refe		Childhood	JSY 1: WAO	lm	mune	Immunotherapy:	OAS 6:	
16:00			Death Pathways	of Asthma in Children	Innate and	and Pediatric	Page 45		Asthma: Inception,	Junior Member		ctions in	How to Be Effective and	Immunology	
16:15			Grand Ballroom 103	Grand Ballroom	Adaptive	Allergy Grand Ballroom	Grand Ballro 102	om	Prevention and	Symposium Room 208 A&B		: Airways eases	Safe	Room R2 ABC	
16:30			, 50	104	04 Immunity 101 Progression							m 201	Room R1 ABC		
16:45					Grand Ballroom 105				Room 203 A&B						
17:00										٠.	٠٠١				
							CCC			Session	1				
							CSS		npany Sponsor		PED		ic Session		
							JM		ior Member Pr		PG		RI Postgraduate	Lourse	
			JSY Junior Member Symposium PS Plenary Session									Plenary			

KEY

NAT

Keynote Lecture

New Horizon Session
Oral Abstract Session

National Society Symposium

SSS

SY

WS

Sister Society Symposium

Symposium

Workshop

Friday, 16 October 2015

<i>7</i> :30															
7:45															
8:00															
8:15				WEV.	0 411 + 0 11: 1		t it et e	IT (D.	e i oliu l	1.44	. C D:	1			
8:30 8:45				KEY	3: Albert Denling F	lonorary Lecture: 1		and Treatment of Paterland 1991	fients with Monoci	onal Ma	ST Cell Diso	irders			
9:00															
9:15															
9:30			PS 3: Atopic Dermatitis: From Barrier to Inflammation												
9:45			Hall D2												
10:15															
10:30							R	reak							
10:45				CV 10 COCI			l	Touk							
11:00				SY 12: COSA Symposium:											
11:15			SY 11:	Recent	SY 13:	PED 7: Food		SSS 5: JSA		W	S 11:				
11:30			Food-Related Anaphylaxis	Understanding for New	Development of Allergy: Lessons	Allergy in Children:	CSS 4: Refer to	Symposium - Innate	WS 10: Allergic	lm	oroving	JM 7: Practical	OAS 7:		
			in Adults and	Mechanisms	from the Birth	Oral Immune	Page 46 Grand Ballroom	Inflammation	Conjunctivitis		erence in Chronic	Management of Anaphylaxis	Pediatrics		
11:45	=		Children Grand Ballroom	of Allergy and Airway	Cohort Study Grand Ballroom	Tolerance Grand Ballroom	102	and Allergic Disease	Room 208 A&B	Allergi	c Patients	Room R1 ABC	Room R2 ABC		
12:00	n Open		103	Inflammation	105	101		Room 203 A&B		Roc	om 201				
12:15	Registration			Grand Ballroom 104											
12:30	Regis	Open		104											
12:45		ᄜ	Poster Sessions												
13:00		Exhibition Hall					Hall D	Pre-Function							
13:15		X				PED 8:									
13:45			SY 14:	SY 15:	SY 16: GLAD-P Symposium -	What Have		SSS 6: APAAACI	WS 12 : Best						
14:00			Innovative Approaches in	Eosinophils in Asthma and	Prevention of	We Learned from Asthma	CSS 5: Refer to Page 46	Symposium - Important but	Evidence and		: Practical roach to	OAS 8:			
14:15			Anaphylaxis	Allergy	Allergy: Is it Possible?	Epidemiology	Grand Ballroom	Neglected Issues	Best Practice for Difficult Cases	Ur	ticaria	Immunotherapy Room R2 ABC			
14:30			Grand Ballroom 103	Grand Ballroom 104	Grand Ballroom	Studies? Grand Ballroom	102	in Allergy	Room 208 A&B	Roon	n R1 ABC	KUUIII KZ ADC			
14:45			103	104	105	Grana Baliroom 101		Room 203 A&B							
15:00							B	reak							
15:15															
15:30				SY 18: What			SSS 7: ASBAI Symposium -		WS 14:						
15:45			SY 17: Mast	Is New in the	SY 19:	PED 9:	Particular	WS 13: Airways	Exercise-Induced	OAS	9: Allergy				
16:00			Cell in Allergic Inflammation	Management of NSAID	Management of Rhinitis	Solutions for Allergy in School	Features of Allergic and	Diseases in	Broncho- constriction	Preve	ntion and				
16:15			Grand Ballroom	Hypersensitivity	Grand Ballroom	Grand Ballroom	Immunologic	China Room 208 A&B	(EIB) and		Factors n R2 ABC				
16:30			103	Grand Ballroom 104	105	101	Diseases in Brazil		Asthma <i>Room R1 ABC</i>	, , , o					
16:45				101			Room 203 A&B		NOOM KT ADC						
17:00									Session	ı Guid	e				
							CSS C	ompany Sponsore		PED	1	c Session			
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			JSY Junior Member Symposium PS Plenary Session												
			KEY Keynote Lecture SSS Sister Society Symposium								m				
							NAT N	ational Society Sy	mposium	SY	Sympos	ium			
								ew Horizon Sessio		WS	Worksh	ор			
							OAS 0	ral Abstract Session	on						

Saturday, 17 October 2015

7:30															
7:45															
8:00															
8:15															
8:30					K	EY 4 : Hy	pothesis-	-Genero	ating Studies and Allerg	ıy					
8:45			Hall D2												
9:00															
9:15															
9:30 9:45				PS 4: Anaphylaxis through the Life Cycle											
10:00				Hall D2											
10:15															
10:30		Ì						_							
10:45								Bre	ak						
11:00					SY 20: Respiratory					SSS 8: S	inal S				
11:15			NII 10 II I	NH 11: The	Effectiveness	P	ED 10:			Sympos		WS 15: Cough	DC 1 D		
11:30			NH 10: Update in Anaphylaxis: From	Microbiome and Its Impact on Allergic	Group Symposium: Harnessing the Real		ogenesis		CSS 6: Refer to	Allergy to	Drugs	Hypersensitivity Syndrome: A New	PG 1: Research Methodologies in		
11:45		=	Infancy to Old Age	Disease	World to Address		ıtric Allerç		Page 46	and New		Approach to Chronic	Pediatric Allergies		
12:00		흘	Grand Ballroom 103	Grand Ballroom	Unmet Needs in		ated Issue Ballroom		Grand Ballroom 102	and Out		Cough	Room R2 ABC		
12:15	Oper	뢸		104 & 105	Allergy Care	Olullu .	DUIIIOUIII	101		Room 20		Room 208 A&B			
12:30	Registration Open	Exhibition Hall Open			Room 201										
12:30	gistr	조		Poster Sessions											
13:00	2								-Function						
13:15															
13:30		Ì			SSS 9: WISC 2016					NAT 1: KA					
13:45				NH 13:	Symposium -	WS	16: New	v	PG 2: Food Allergy:	KAPARD Syr		1			
14:00			NH 12: Drug Allergy	Environmental Issues	Advances in the Evaluation and		odology f		Diagnostic Approach	- New In: on Allerg					
14:15			Grand Ballroom 103	and Allergic Diseases	Management of		sis of Alle	ergic	and Treatment	Asthma: L					
14:30				Grand Ballroom 104 & 105	Chronic Urticaria and	_	Disease	o D	Options Room R2 ABC	from Epide	miologic				
14:45				104 & 103	Angioedema			Studies Grand Ballroom 101							
15.00		-			Room 203 A&B					Grand Ballro	om 101				
15:00								Bre	ak						
15:30												NAT 2: KAAACI/			
				CV 01					WC 17 C "			KAPARD Symposium-			
15:45				SY 21: Mechanisms in Anaphylaxis:	SY 22: Update on		0: InterAs nposium		WS 17: Small Airways (SAW)	PG 3: Mana		Asthma and Allergic			
16:00			NH 14: Prevention	Implications for	the Mechanism of		ortance a		Working Group -	and Prever		Disease: From			
16:15			of Food Allergy Grand Ballroom 103	Clinicians	Asthma and Airway Inflammation	Immu	notherapy	y in	Asthma Treatment	Allergic Di in As		Environmental Trigger to			
16:30			טוווטטוווטט וווטט וווטט	Grand Ballroom	Grand Ballroom 102		a Treatm		Issues	Room R2		Pharmacologic			
				104 & 105		Kooi	n 203 A&	Ϋ́В	Room 208 A&B			Treatment			
16:45												Grand Ballroom 101			
17:00										Session	Guid	e			
			Food Allergy & Anyphylaxis Track New Horizons: 10, 12, 14				PG	APA	PARI Postgraduate	Course	NH	New Horizon Session	1		
			Climate Change & the Microbiome Now Harizance 11 12			PS	Plenary Session			OAS	Oral Abstract Session	1			
			Track New Horizons: 11, 13						pany Sponsored Sy	mposium	PED	Pediatric Session			
								Junior Member Practical Course		SSS	Sister Society Sympo	osium			
											SY	Symposium			
							JSY		ior Member Sympos	sium	WS	Workshop			
							NAT		ional Society Sympo		113	aritonop			
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08:30 - 09:00	KEYNOTE LECTUI	RE ALAIN DE	WECK HONORARY LECTURE	
	KEY 1: Lifestyles of			Hall D2
	Chairperson: Lanny J.			
	08:30 - 09:00	1-1KEY	Lifestyles of T Regulatory Cells Ethan Shevach (United States)	
09:00 - 10:30	PLENARY SESSIO	N		
			vances and the Future	Hall D2
	•	•	(Italy), Désirée Larenas-Linnemann (Mexico)	
	09:00 - 09:05	Welcoming		
	09:05 - 09:30	1-1PS	Novel Insights into the Mechanisms of Immunotherapy Mübeccel Akdis (Switzerland)	
	09:30 - 09:55	1-2PS	WAO Guidelines on Sublingual Immunotherapy (SLIT) G. Walter Canonica (Italy)	
	09:55 - 10:20 10:20 - 10:30	1-3PS Discussion	Nanosome Based Immunotherapy Yoon-Keun Kim (Korea)	
	10.20 - 10.30	DI2C022IOII		
11:00 - 12:30	NEW HORIZON S	SESSIONS		
		II 6 16	IMMUNOTHERAPY TRACK	0 0 100
	NH 1: Evidence in A	ic Immunotherapy rea), Luis Caraballo (Colombia)	Grand Ballroom 103	
	11:00 - 11:05	Welcoming		
	11:05 - 11:30	1-1NH	Evidence in Immunotherapy: Sublingual Immunotherapy (SLIT) vs. Subcutaneous Immunother	rany (SCIT)
	11.05		Harold Nelson (United States)	ap) (5011)
	11:30 - 11:55	1-2NH	How to Interpret a Trial in Immunotherapy Giovanni Passalacqua (Italy)	
	11:55 - 12:20	1-3NH	Immunotherapy for Japanese Cedar Pollinosis Makoto Nagata (Japan)	
	12:20 - 12:30	Discussion		
			ASTHMA & AIRWAY DISEASE TRACK	
	NH 2: Biomarkers f	or Asthma Usi	ng Omics Technology G	rand Ballroom 104 & 105
	Chairpersons: G. Wal			
	11:00 - 11:05	Welcoming		
	11:05 - 11:30	2-1NH	Genetic Markers Based on a Genome-Wide Association Study Deborah Meyers (United States	2)
	11:30 - 11:55	2-2NH	Biomarkers for Severe Asthma Eugene Bleecker (United States)	
	11:55 - 12:20	2-3NH	Potential Protein Markers for Asthma Kenji Izuhara (Japan)	
	12:20 - 12:30	Discussion		
			LLERGY, ATOPIC DERMATITIS AND NEW FRONTIERS IN ALLERGY TRACK	
	NH 3: Biologics in S			Grand Ballroom 101
	•		ines), Marco Caminati (Italy)	
	11:00 - 11:05 11:05 - 11:30	Welcoming 3-1NH		
	11:30 - 11:55	3-1NII	Anti-Cytokines in Severe Asthma You Sook Cho (Korea) Anti-Cytokines in Severe Chronic Rhinosinusitis/Nasal Polyposis Claus Bachert (Belgium)	
	11:55 - 12:20	3-2NH	Anti-IgE Therapy in Severe Chronic Urticaria Marcus Maurer (Germany)	
	12:20 - 12:30	Discussion	Amrige merupy in Severe chronic ornicana Marcos Maorer (Germany)	
	PEDIATRIC SESSI			
	PED 1: Severe Asthr			Grand Ballroom 102
	11:00 - 11:05	Welcoming), Yehia El-Gamal (Egypt)	
	11:05 - 11:25	1-1 PED	Definition and Differences in Children and Adults Wiparat Manuyakorn (Thailand)	
	11:25 - 11:45	1-2PED	Biomarkers and Genetics of Severe Asthma Robert Lemanske (United States)	
	11:45 - 12:05	1-3PED	Invasive and Non-Invasive Diagnostic Approaches Meenu Singh (India)	
	12:05 - 12:30	Discussion	and interest or organization production modified strings (middle)	

11:00 - 12:30

WORKSHOPS			
WS 1: Non-Allergio	c Rhinitis: Curre	nt Evidence and Unmet Needs	Room 203 A&B
Chairpersons: Pakit	Vichyanond (Th	ailand), Kornkiat Snidvongs (Thailand)	
11:00 - 11:05	Welcoming	g Remarks	
11:05 - 11:25	1-1WS	Classification of Non-Allergic Rhinitis Stephen Tilles (United States)	
11:25 - 11:45	1-2WS	Does Allergic Rhinitis Affect Communications Skills in Young Adults? Cemal Cingi (Turkey)	
11:45 - 12:05	1-3WS	Update on Pathomechanisms of Eosinophilic Rhinosinusitis Yoshitaka Okamoto (Japan)	
12:05 - 12:30	Discussion		
WS 2: Severe Adve	erse Drug React	ions	Room 201
Chairperson: <i>Kyung</i>	-Up Min (Korea)		
11:00 - 11:05	Welcoming	g Remarks	
11:05 - 11:25	2-1WS	Stevens-Johnson Syndrome (SJS) and Toxic Epidermal Necrolysis (TEN) Wen-Hung Chung (Taiw	ran)
11:25 - 11:45	2-2WS	Drug-Induced Hypersensitivity Syndrome Tetsuo Shiohara (Japan)	
11:45 - 12:05	2-3WS	Can We Predict Severe Cutaneous Adverse Reactions (SCARS) with Gene Marker? Bernard Thor	ng (Singapore)
12:05 - 12:30	Discussion	·	
ORAL ABSTRAC	T SESSIONS		
OAS 1: Asthma			Room R1 ABC
Chairpersons: James	s Sublett (United	d States), Dong-Chull Choi (Korea)	
11:00 - 11:15	1-10AS	Neutrophil Autophagy and Extracellular Trap Could Contribute to Asthma Severity Duy Le Pham	(Korea)
11:15 - 11:30	1-20AS	Childhood Lung Function is Associated with Polymorphic Markers of Two Vitamin D 25-Hydroxylas Ting Fan Leung (Hong Kong)	se Genes
11:30 - 11:45	1-30AS	Genetic Association and eQTL Analyses of Genes Associated with Allergy in Atopic/Non-Atopic Ast Xingnan Li (United States)	hma
11:45 - 12:00	1-40AS	Identification of Aspirin Exacerbated Respiratory Disease (AERD) Phenotypes Using Two Step Clus Hyun Young Lee (Korea)	ter Analysis
12:15 - 12:30	1-50AS	Significant Reduction in Allergic Features in the Offspring of Mice Supplemented with Specific Not Oligosaccharides during Lactation Astrid Hogenkamp (Netherlands)	n-Digestible
JUNIOR MEMBI	ER PRACTICA	L COURSE	
•		Glance: Rhinoscopy, Radiology, Nitric Oxide, Rhinomanometry, Endoscopy	Room 208 A&B
Senior: Dong-Young			
11:00 - 11:20	Welcoming		•••
11:20 - 11:45	1-1JM	Junior Member Hongfei Lou (China)	
11:45 - 12:10	1-2JM	Junior Member Young Hyo Kim (Korea)	
12:10 - 12:30	Discussion		Junior Members
POSTER SESSIO	NS		
		" section of this Final Program for complete details.	
POS 1: Poster Sess	sion I		Hall D Pre-Function
Poster Numbers 1000 - 1068	1-1POS	Asthma	
1000 - 1000	1-1103	Chairpersons: Sang-Heon Cho (Korea), Pakit Vichyanond (Thailand), Eugene Bleecker (United St (Korea), Deborah Meyers (United States), Jae Ho Lee (Korea)	ates), Chang-Keun Kim
1069 - 1125	1-2POS	Skin Allergy Chairpersons: Seong Jun Seo (Korea), Marcus Maurer (Germany), Michihiro Hide (Japan), Razvi	gor Darlenski (Bulgaria)
1126 - 1152	1-3POS	Infection and Allergy Chairpersons: Luis Caraballo (Colombia), Claus Bachert (Belgium)	
1153 - 1194	1-4POS	Allergy Diagnosis	I)

Chairpersons: Hai Lee Chung (Korea), Ignacio J. Ansotegui (Spain), Suwat Benjaponpitak (Thailand)

12:30 - 13:30

13:30 - 15:00 **NEW HORIZON SESSIONS IMMUNOTHERAPY TRACK** Grand Ballroom 103 NH 4: Innovative Technology in Allergen Immunotherapy Chairperson: Jarungchit Ngamphaiboon (Thailand) 13:30 - 13:35 Welcoming Remarks 13:35 - 14:00 4-1NH Addressing the Shortcomings of Subcutaneous Immunotherapy (SCIT) | Harold Nelson (United States) 4-2NH New Allergen Preparations in Sublingual Immunotherapy (SLIT) | Désirée Larenas-Linnemann (Mexico) 14:00 - 14:25 14:25 - 14:50 4-3NH Recombinant Allergens: The Present and the Future | Moises A. Calderon (United Kingdom) 14:50 - 15:00 Discussion **ASTHMA & AIRWAY DISEASE TRACK** NH 5: Endotypes of Chronic Rhinosinusitis: ICON Session Grand Ballroom 104 & 105 Chairperson: Cemal Cingi (Turkey), Jin Hee Cho (Korea) 13:30 - 13:35 Welcoming Remarks 13:35 - 14:00 5-1NH Differentiation in Chronic Rhinosinusitis in Europe | Philippe Gevaert (Belgium) 14:00 - 14:25 5-2NH Chronic Rhinosinusitis Endotypes in Asia and the World | Luo Zhang (China) 14:25 - 14:50 5-3NH Developing Eosinophilic Chronic Rhinosinusitis | Chae-Seo Rhee (Korea) 14:50 - 15:00 Discussion ALLERGY, ATOPIC DERMATITIS AND NEW FRONTIERS IN ALLERGY TRACK NH 6: Critical Novel Molecules for Allergic Diseases **Grand Ballroom 101** Chairpersons: Cezmi Akdis (Switzerland), Jessie de Bruyne (Malaysia) 13:30 - 13:35 **Welcoming Remarks** 13:35 - 14:00 6-1NH Role of Thymic Stromal Lymphopoietin (TSLP) in Allergic Responses | Atsushi Kato (United States) 14:00 - 14:25 Role of Interleukin-33 in Innate-Type Immune Cells in Allergy | Hideaki Monta (Switzerland) 6-2NH 14:25 - 14:50 6-3NH Interleukin-25 and Th2 Immunoregulation | Lanny J. Rosenwasser (United States) 14:50 - 15:00 Discussion **PEDIATRIC SESSION** PED 2: Asthma in Children Grand Ballroom 102 Chairpersons: Robert Lemanske (United States), Anne Goh (Singapore) 13:30 - 13:35 Welcoming Remarks 13:35 - 13:55 Lessons from Cross-Sectional and Longitudinal Studies in Infants and Children | Luis Garcia-Marcos (Spain) 2-1PED 13:55 - 14:15 **2-2PED** Inhaled Steriods in Recurrent Wheezing Children | Elham Hossny (Egypt) 14:15 - 14:35 **2-3PED** Food Allergy in Asthma | Nelson Rosário Filho (Brazil) 14:35 - 15:00 Discussion

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WS 3: Recent Update in Chronic Urticaria

Chairpersons: Chein-Soo Hong (Korea), Jonathan Bernstein (United States)

13:30 - 13:35	Welcoming	p Remarks
13:35 - 13:55	3-1WS	Update in the Pathogenesis of Chronic Urticaria in Adults Michihiro Hide (Japan)
13:55 - 14:15	3-2WS	Natural Course and Etiologic Factors of Chronic Urticaria in Children Orathai Piboonpocanun (Thailand)

3-3WS 14:15 - 14:35 Efficacy and Therapeutic Monitoring of Anti-IgE Therapy in Chronic Refractory Urticaria | Allen Kaplan (United States)

14:35 - 15:00 Discussion Room 201

13:30 - 15:00	ORAL ABSTRACT	SESSIONS				
	OAS 2: Skin Allergy			Room R1 ABC		
	•		Razvigor Darlenski (Bulgaria)			
	13:30 - 13:45	2-10AS	TSLP Down Regulates Human â-Defensin 2 through STAT3-Dependent Pathway in Keratino			
	13:45 - 14:00	2-20AS	M2 Monocyte/Macrophage-Derived MMP12 Plays a Pivotal Role in Contact Hypersensitivi	• • •		
	14:00 - 14:15	2-30AS	Activation of Endothelial Cells to Release Hsp90, an Activator of the Prekallikrein-High Mol Complex Allen Kaplan (United States)	ecular Weight Kininogen (HK)		
	14:15 - 14:30	2-40AS	Dominancy of Staphylcoccus Aureus in the Skin of Atopic Dermatitis Patients Compared to Metagenomic Analysis Min-Hye Kim (Korea)	Healthy Subjects through		
	14:30 - 14:45	2-50AS	Difference in the Systemic Bacterial Composition of Atopic Dermatitis Patients Compared to Metagenomic Analysis of Urine Jung-Won Kim (Korea)	Healthy Subjects through		
	14:45 - 15:00	2-60AS	CD8+ T Cell-Intrinsic SMAD4 Suppresses Th2 Responses in the Pathogenesis of Contact Hy Mizuko Mamura (Japan)	persensitivity		
	JUNIOR MEMBEI	R PRACTICAL	COURSE			
		n and Bronchial	Hyperreactivity Tests	Room 208 A&B		
	13:30 - 13:50	Welcoming	Remarks			
	13:50 - 14:15	2-1JM	Junior Member Mariana Couto (Portugal)			
	14:15 - 14:40	2-2JM	Junior Member Dongin Suh (Korea)			
	14:40 - 15:00	Discussion		Junior Members		
	SISTER SOCIETY	SYMPOSIUN	1			
			Societies (SEAS) Symposium - Asthma Control and Management Spain), Giovanni Passalacqua (Italy)	Room 203 A&B		
	13:30 - 13:35	Welcoming				
	13:35 - 13:55	1-1SSS	Wheezing in Childhood: Is It Already Asthma? Mario Morais-Almeida (Portugal)			
	13:55 - 14:15	1-2SSS	Biomarkers in Asthma G. Walter Canonica (Italy)			
	14:15 - 14:35	1-3SSS	Asthma Costs and Social Impact Carlos Nunes (Portugal)			
	14:35 - 15:00	Discussion	Asimina costs and social impact Canos Nones \t Orlogary			
15:30 - 17:00	NEW HORIZON S	SESSIONS				
	IMMUNOTHERAPY TRACK					
	NH 7: Food Immuno			Grand Ballroom 103		
	Chairpersons: Wesley		States), Alessandro Fiocchi (Vatican City)			
	15:30 - 15:35	Welcoming	Remarks			
	15:35 - 16:00	7-1NH	Immunotherapy in Food Allergy in Israel Yitzhak Katz (Israel)			
	16:00 - 16:25	7-2NH	Immunotherapy in Food Allergy in Asia Motohiro Ebisawa (Japan)			
	16:25 - 16:50	7-3NH	Immunotherapy in Food Allergy in the United States Hugh Sampson (United States)			
	16:50 - 17:00	Discussion				
			ASTHMA & AIRWAY DISEASE TRACK			
			Way Forward in Allergy and Asthma d States), Suwat Benjaponpitak (Thailand)	Grand Ballroom 104 & 105		
	15:30 - 15:35	Welcoming	Remarks			
	15:35 - 16:00	8-1NH	Personalized Medicine: The Way Forward Thomas Bieber (Germany)			
	16:00 - 16:25	8-2NH	The Omics in Allergy and Asthma Lanny J. Rosenwasser (United States)			
	16:25 - 16:50	8-3NH	The Ethical Framing of Personalized Medicine Heung Woo Park (Korea)			
	16:50 - 17:00	Discussion				
		AL	LERGY, ATOPIC DERMATITIS AND NEW FRONTIERS IN ALLERGY TRACK			
	·		Selection of Patients (United States), G. Walter Canonica (Italy)	Grand Ballroom 101		
	15:30 - 15:35	Welcoming	•			
	15:35 - 16:00	9-1NH	The Use of Biomarkers in Asthma Clinical Research Trials Takao Fujisawa (Japan)			
	16:00 - 16:25	9-2NH	Inner-City Asthma and Anti-IgE Theresa Guilbert (United States)			
	16:25 - 16:50	9-3NH	Biosimilars Sergio Bonini (Italy)			
	16:50 - 17:00	Discussion	Sissimilia Sorgio Soriiii (IIII)			

15:30 - 17:00

PED 3: Innovative	Approaches in	the Management of Asthma	Grand Ballroom 102
		ited States), Yehia El-Gamal (Egypt)	
15:30 - 15:35	•	g Remarks	
15:35 - 15:55	3-1PED	Telemedicine for Asthma Management Yoon-Seok Chang (Korea)	
15:55 - 16:15	3-2PED	Early Diagnosis of Asthma: Computer Assisted Symptom Based Diagnosis Ho Joo Yoon (Korea)	
16:15 - 16:35	3-3PED	The Novel Mechanism of Probiotics in Allergic Diseases Jiu-Yao Wang (Taiwan)	
16:35 - 17:00	Discussion		
WORKSHOPS	J T .		D 000 40 D
WS 4: Allergies in 1 Chairnersons: <i>Juan I</i>		uay), Edgardo Jares (Argentina)	Room 203 A&B
15:30 - 15:35	_	g Remarks	
15:35 - 15:55	4-1WS	Characteristics of Allergens in Tropical Regions Luis Caraballo (Colombia)	
15:55 - 16:15	4-2WS	Asthma in South Asia Jesse de Bruyne (Malaysia)	
16:15 - 16:35	4-3WS	Clinical Spectrum of Allergic Disease in the Tropics Juan C. Sisul (Paraguay)	
16:35 - 17:00	Discussion		
WS 5: Beyond IgE-	Mediated Mecl	nanisms in the Workplace	Room 201
Chairpersons: <i>Margi</i>	tta Worm (Geri	nany), David Lang (United States)	
15:30 - 15:35	Welcomin	g Remarks	
15:35 - 15:55	5-1WS	Baker's Asthma: A Model of Interacting between Innate and Th2 Immune Responses Jonathan Bo	ernstein (United States)
15:55 - 16:15	5-2WS	Specific IgG: An Exposure Marker or Sensitizing Antibody? Roy Gerth van Wijk (Netherlands)	
16:15 - 16:35	5-3WS	Autoimmune Mechanisms in Work-Related Asthma Hae-Sim Park (Korea)	
16:35 - 17:00	Discussion		
ORAL ABSTRAC	T SESSIONS		
OAS 3: Food Allerg			Room R1 ABC
	-	a), Moo-Young Oh (Korea)	
15:30 - 15:45	3-10AS	Aspirin Facilitates the Intestinal Absorption and Oral Sensitization of Food Allergens in Rats Tom	
15:45 - 16:00	3-20AS	Diagnostic Value of Specific IgE to Peanut and Ara h 2 in Korean Children with Peanut Allergy K	•
16:00 - 16:15	3-30AS	Mimotopes of the Major Shellfish Allergen Tropomyosin Suppress Splenocyte Proliferation and Loin a Mouse Model of Shellfish Allergy Nicki Y.H. Leung (Hong Kong)	cal Cytokine Expression
16:15 - 16:30	3-40AS	Two Year Follow-up after Rush Oral Immunotherapy for Peanut-Induced Anaphylaxis Kenichi Naç	jakura (Japan)
16:30 - 16:45	3-50AS	Assessment of Allergenicity of Novel Proteins (CSR1-2, DMO) in Herbicide-Tolerant Genetically Ma Jeongok Lee (Korea)	
16:45 - 17:00	3-60AS	The Levels of Thymic Stromal Lymphopoietin and Interleukin-33 Are Specifically Elevated in Sera Eosinophilic Gastroenteritis Tetsuo Shoda (Japan)	of Infants with
JUNIOR MEMBE	R PRACTICA	AL COURSE	
		itization in Drug Allergy	Room 208 A&B
Senior: <i>Mario Sánch</i>			
15:30 - 15:50		g Remarks	. • • • • • •
15:50 - 16:15	3-1JM	Junior Member Luciana Kase Tanno (Brazil)	
16:15 - 16:40	3-2JM	Junior Member Alberto Alvarez-Perea (Spain)	WAO Junior Members
16-40 - 17-00	Discussion		

16:40 - 17:00

Discussion

Junior Members

08:30 - 09:00			E. BAENA-CAGNANI HONORARY LECTURE	u II po		
	Chairperson: G. Wal		ic Asthma Repository Collaborative	Hall D2		
	08:30 - 09:00	2-1KEY	The Statewide Ohio Pediatric Asthma Repository Collaborative Gurjit Khurana Hershey (United St	ates)		
09:00 – 10:30	PLENARY SESSION	ON				
	PS 2: Viral Exacerbation of Asthma Hall D2					
	Chairpersons: Juan (Celedon (United .	States), You-Young Kim (Korea)			
	09:00 - 09:05	Welcoming	Remarks			
	09:05 - 09:30	2-1PS	The Mechanisms of Viral Induced Asthma Exacerbation: Lessons from Childhood Asthma Cohort Peter Le Souëf (Australia)			
	09:30 - 09:55	2-2PS	Potential Biomarkers for Predicting Asthma Exacerbations Leonard Bacharier (United States)			
	09:55 - 10:20	2-3PS	Mechanisms for New Strategies for Asthma Exacerbations Arzu Yorgancioğlu (Turkey)			
	10:20 - 10:30	Discussion				
:00 – 12:30	SYMPOSIA					
			dence-Based Medicine and Immunotherapy	Grand Ballroom 103		
	Chairperson: <i>Désirée</i>					
	11:00 - 11:05	Welcoming				
	11:05 - 11:25	1-1SY	The Consolidated Standards of Reporting Trials (CONSORT) Statement Applied to Allergen-Specific Inhalant Allergens Giovanni Passalacqua (Italy)	Immunotherapy with		
	11:25 - 11:45	1-2SY	Grading Side Effects of Sublingual Immunotherapy (SLIT) Hugo P. S. Van Bever (Singapore)			
	11:45 - 12:05	1-3SY	Pharmacoeconomics of Immunotherapy Linda Cox (United States)			
	12:05 - 12:30	Discussion				
	SY 2: Hot Topics in	SY 2: Hot Topics in Asthma Grand Ballroom 104				
	Chairpersons: Leona	rd Bacharier (Un	ited States), Hirokazu Arakawa (Japan)			
	11:00 - 11:05	Welcoming	Remarks			
	11:05 - 11:25	2-1SY	Gene to Environmental Interaction in Asthma Choon-Sik Park (Korea)			
	11:25 - 11:45	2-2SY	Asthma Control and Treatment Issues Christopher Kei Wai Lai (Hong Kong)			
	11:45 - 12:05	2-3SY	Personalized Therapy in Asthma and Allergy Sang-Heon Cho (Korea)			
	12:05 - 12:30	Discussion				
	SY 3: Advances in the Management of Atopic Dermatitis: A Practical Approach Chairpersons: Mark Boguniewicz (United States), Alfred Tam (Hong Kong) Grand Ballroom 105					
	11:00 - 11:05	Welcoming	Remarks			
	11:05 - 11:25	3-1SY	Atopic Dermatitis: Evolving Mechanistic Concepts and the Translational Revolution Kathleen C. Ba	rnes (United States)		
	11:25 - 11:45	3-2SY	Restoring Skin Barrier and Suppression of Inflammation by Topical Treatment Strategies \mid Dagmar	Simon (Switzerland)		
	11:45 - 12:05	3-3SY	The Importance of Trigger Avoidance and Vitamin D Substitution Ai-Young Lee (Korea)			
	12:05 - 12:30	Discussion				
	PEDIATRIC SESS	ION				
	PED 4: Why Don't I	Pharmacologica	l Agents Work Well in Treatment of Asthma in Very Young Children? (Brazil), Dongin Suh (Korea)	Grand Ballroom 101		
	11:00 - 11:05	Welcoming	•			
	11:05 - 11:25	4-1PED	The Pathology of the Airways in Very Young Children with Recurrent Wheeze Elham Hossny (Egy	rpt)		
	11:25 - 11:45	4-2PED	Review of Efficacy of Current Pharmcological Agents in Very Young Children with Wheeze Takao	•		
	11:45 - 12:05	4-3PED	New Approaches to Treatment of Asthma in Early Life Toshio Katsunuma (Japan)	•		
	12:05 - 12:30	Discussion	•			
	WORKSHOPS					
	WS 6: Patient Educ		rence in Allergy and Atopic Dermatitis ndonesia), Mübeccel Akdis (Switzerland)	Room 208 A&B		
	11:00 - 11:05	Welcoming				
	11:05 - 11:25	6-1WS	Anaphylaxis in China Jia Yin (China)			
	11:25 - 11:45	6-2WS	Education and Adherence in Atopic Dermatitis Hye-Yung Yum (Korea)			
	11:45 - 12:05	6-3WS	Quality of Life Assessment in Patients with Chronic Urticaria Mario Sánchez Borges (Venezuela)			
	12:05 - 12:30	Discussion				

11:00 - 12:30 **WORKSHOPS**

WS 7: Primary Immunodeficiency, Allergy and Inflammation

Room 201

Chairpersons: Thomas Fleisher (United States), Amir Hamzah Abdul Latiff (Malaysia)

Cilulipersons. Thomas Fleisher Collifea States), Affili Hallizan Abdol Latin (Malaysia)			
11:00 - 11:05	Welcoming Remarks		
11:05 - 11:25	7-1WS	Pathophysiology of Immunodeficiency and Allergic and Non-Allergic Inflammation J. David Edgar (United Kingdom)	
11:25 - 11:45	7-2WS	Clinical Presentation and Differentiation of Allergy, Inflammation and Immunodeficiency Ricardo Sorensen (United States)	
11:45 - 12:05	7-3WS	Profiles of Common Variables in Immunodeficiencies (CVID) John Routes (United States)	
12:05 - 12:30	Discussion		

ORAL ABSTRACT SESSIONS

Room R2 ABC OAS 4: Drug Allergy

Chairnersons: Hiok Hee Chna (Singapore) Luciana Kase Tanno (Brazil)

Chalipersons. Thok tree chilg (Shigapore), Lociana kase halino (biazil)				
11:00 - 11:15	4-10AS	Cutaneous Drug Hypersensitivity Reaction in Korean Children: An Analysis of KAERS Database on 2012-2013 Eui Jun Lee (Korea)		
11:15 - 11:30	4-20AS	Prediction of the Success of Our Desensitization Protocol with Symptoms and Results of a Skin Prick Test in Patients with Hypersensitivity to Platinum-Based Chemotherapy Hye Jung Park (Korea)		
11:30 - 11:45	4-40AS	Serum Periostin Level Is Higher in Respiratory Type of NSAID Hypersensitivity than Cutaneous Type Mi-Ae Kim (Korea)		
11:45 - 12:00	4-50AS	Clinical Features of Adverse Drug Reactions of Monoclonal Antibodies in Korea Da Woon Sim (Korea)		
12:00 - 12:15	4-60AS	Analysis of Clinical Outcomes of 203 Cases of Oxaliplatin Desensitization and Related Breakthrough Reactions Ju-Young Kim (Korea)		

JUNIOR MEMBER PRACTICAL COURSE

JM 4: Skin Testing for Allergy Diagnosis: Prick Test, Intradermal and Patch Test

Room R1 ABC

Senior: Dana Wallace (United States) 11:00 - 11:20 Welcoming Remarks

11:20 - 11:45 4-1JM Junior Member | Razvigor Darlenski (Bulgaria) 11:45 - 12:10 4-2 IM Junior Member | Marco Caminati (Italy) 12:10 - 12:30 Discussion



Room 203 A&B

SISTER SOCIETY SYMPOSIUM

SSS 2: European Academy of Allergy and Clinical Immunology (EAACI) Symposium - Precision Medicine: From Molecular Signatures to Predicting Biomarkers

Chairpersons: Nikos Papadopoulos (United Kingdom), Ioana Agache (Romania)

11:00 - 11:05	Welcoming	Remarks
11:05 - 11:25	2-1SSS	Mechanistic Approach to Define Immune Intolerance to Allergens Cezmi Akdis (Switzerland)
11:25 - 11:45	2-2SSS	Th2 Asthma Endotypes Ioana Agache (Romania)
11:45 - 12:05	2-3SSS	Phenotypes and Endotypes of Allergic Rhinitis Nikos Papadopoulos (United Kingdom)
12:05 - 12:30	Discussion	



COMPANY SPONSORED SYMPOSIUM

CSS 1: Cow's Milk Protein Allergy: Improving Standards of Care in Pediatric Practice

Grand Ballroom 102

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

12:30 - 13:30 **POSTER SESSIONS**

Please refer to the "Poster Sessions" section of this Final Program for complete details.

POS 2: Poster Session 2 Hall D Pre-Function **Poster Numbers** 2000 - 2025 2-1POS Drug Allergy Chairpersons: Sandra N. González-Diaz (Mexico), Luciana Kase Tanno (Brazil), Alberto Alvarez-Perea (Spain) 2026 - 2072 2-2P0S Rhinitis, Rhinosinusitis, Ocular Allergies and Comorbidities Chairpersons: Seok Hyun Cho (Korea), Wang De Yun (Singapore), Wang Xue Yan (China), Hongfei Lou (China), Sung Wan Kim (Korea), Hye-Ryun Kang (Korea), Ji-Hun Mo (Korea)

2073 - 2129 2-3POS Food Allergy

Chairpersons: Bee Wah Lee (Singapore), Hyunhee Kim (Korea), Hugh Sampson (United States), Alessandro Fiocchi (Vatican City), Christina West (Sweden)

2130 - 2174 2-4P0S Air Pollution and Environmental Allergies

Chairpersons: Gennaro D'Amato (Italy), Mario Zernotti (Argentina), Menachem Rottem (Israel), Jae-Won Oh (Korea)

13:30 - 15:00

•	•	nunodeficiency: A Global Perspective	Grand Ballroom 10
•		States), J. David Edgar (United Kingdom)	
13:30 - 13:35		g Remarks	
13:35 - 13:55	4-1SY	Classification of Primary Immunodeficiency Thomas Fleisher (United States)	
13:55 - 14:15	4-2SY	Clinical and Laboratory Screening: International Effects Nima Rezaei (Iran)	
14:15 - 14:35	4-3SY	Use of Exome Sequencing to Screen for Primary Immunodeficiency Yu-Lung Lau (Hong Kong)	
14:35 - 15:00	Discussion	1	
		tanding Asthma in the Elderly ey), Eugene Bleecker (United States)	Grand Ballroom 10
13:30 - 13:35	Welcomin	g Remarks	
13:35 - 13:55	5-1SY	Unraveling the Pathways to Asthma Development in the Elderly Anahi Yañez (Argentina)	
13:55 - 14:15	5-2SY	The Diagnostic Problems of Obstructive Lung Diseases in the Elderly Arzu Yorgancioglu (Turkey)	
14:15 - 14:35	5-3SY	Pharmacotherapy of Asthma in the Elderly Sang-Heon Cho (Korea)	
14:35 - 15:00	Discussion	,,	
SY 6: Atopic Dermo		ehensive Update itzerland), Bernard Thong (Singapore)	Grand Ballroom 10
13:30 - 13:35		g Remarks	
13:35 - 13:55	6-1SY	Immunologic Mechanisms in the Pathogenesis of Atopic Dermatitis Kwang Hoon Lee (Korea)	
13:55 - 14:15	6-2SY	Management of Atopic Dermatitis and Emerging Therapies Mark Boguniewicz (United States)	
14:15 - 14:35	6-3SY	The Role of Environmental Allergens in the Pathogenesis of Atopic Dermatitis Ichiro Katayama (.	lanan)
	0 031	The Role of Environmental Allergens in the Famogenesis of Alopic Defination Tellio Raidyania (.	Jupuii/
5Y 7: Coding Allerg Chairpersons: <i>Lanny</i> 13:30 - 13:35	J. Rosenwasse Welcomin	tight in the New International Classification of Diseases (ICD) er (United States), Moises A. Calderon (United Kingdom) g Remarks	Room 208 A8
Chairpersons: <i>Lanny</i> 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35	y: Getting it R J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY	Right in the New International Classification of Diseases (ICD) For (United States), Moises A. Calderon (United Kingdom) g Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan)	Room 208 A&
SY 7: Coding Allerg Chairpersons: <i>Lanny</i> 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00	y: Getting it R J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion	Right in the New International Classification of Diseases (ICD) For (United States), Moises A. Calderon (United Kingdom) g Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan)	Room 208 A&
SY 7: Coding Allerg Chairpersons: <i>Lanny</i> 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35	y: Getting it R J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion	clight in the New International Classification of Diseases (ICD) For (United States), Moises A. Calderon (United Kingdom) In Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan)	Room 208 A&
SY 7: Coding Allerg Chairpersons: Lanny 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 PEDIATRIC SESS PED 5: What Is Nev	y: Getting it R V.J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion SION w to Learn from	clight in the New International Classification of Diseases (ICD) For (United States), Moises A. Calderon (United Kingdom) In Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan)	
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SY 7: Coding Allerg Chairpersons: Lanny 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 PEDIATRIC SESS PED 5: What Is New Chairpersons: Kathlet 13:30 - 13:35 13:35 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 8: Oral Immun Chairpersons: Weslet 13:30 - 13:35 13:30 - 13:35	y: Getting it R V.J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion SION w to Learn from een C. Barnes (Welcomin 5-1PED 5-3PED Discussion otherapy for F ey Burks (United Welcomin 8-1WS	cight in the New International Classification of Diseases (ICD) For (United States), Moises A. Calderon (United Kingdom) g Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan) m Genetic Studies "United States), Mayumi Tamari (Japan) g Remarks Genome-Wide Association Study of Atopic Dermatitis in Children Kyung Won Kim (Korea) Childhood Asthma Genetics: The Prospect of Personalized Approach to Treatment Ting Fan Leung Wheezing Phenotypes and Asthma in Childhood Leonard Bacharier (United States) Pediatric Patients with Food Allergy in Asia d States), Mimi Tang (Australia) g Remarks Safety and Feasiblity of Oral Immunotherapy for Food Allergy: Lessons from Asia Sakura Sato (Grand Ballroom 10 g (Hong Kong) Room 20
SY 7: Coding Allerg Chairpersons: Lanny 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 PEDIATRIC SESS PED 5: What Is Net Chairpersons: Kathle 13:30 - 13:35 13:35 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 8: Oral Immun Chairpersons: Wesle 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15	y: Getting it R y J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion SION w to Learn from een C. Barnes (Welcomin 5-1PED 5-3PED Discussion otherapy for F ey Burks (United Welcomin 8-1WS 8-2WS	tight in the New International Classification of Diseases (ICD) or (United States), Moises A. Calderon (United Kingdom) g Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan) m Genetic Studies United States), Mayumi Tamari (Japan) g Remarks Genome-Wide Association Study of Atopic Dermatitis in Children Kyung Won Kim (Korea) Childhood Asthma Genetics: The Prospect of Personalized Approach to Treatment Ting Fan Leung Wheezing Phenotypes and Asthma in Childhood Leonard Bacharier (United States) Pediatric Patients with Food Allergy in Asia d States), Mimi Tang (Australia) g Remarks Safety and Feasiblity of Oral Immunotherapy for Food Allergy: Lessons from Asia Sakura Sato (Treatment of Severe Wheat Allergy Punchama Pacharn (Thailand)	Grand Ballroom 10 g (Hong Kong) Room 20
SY 7: Coding Allerg Chairpersons: Lanny 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 PEDIATRIC SESS PED 5: What Is New Chairpersons: Kathlet 13:30 - 13:35 13:35 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 8: Oral Immun Chairpersons: Weslet 13:30 - 13:35 13:35 - 13:55	y: Getting it R V.J. Rosenwasse Welcomin 7-1SY 7-2SY 7-3SY Discussion SION w to Learn from een C. Barnes (Welcomin 5-1PED 5-3PED Discussion otherapy for F ey Burks (United Welcomin 8-1WS	tight in the New International Classification of Diseases (ICD) er (United States), Moises A. Calderon (United Kingdom) g Remarks Painting the Scenario: Why Changes in the ICD are Needed? Pascal Demoly (France) Strategies for Implementing ICD-11 Luciana Kase Tanno (Brazil) Involvement of Academies and the Impact on the Allergy Practice Ruby Pawankar (Japan) m Genetic Studies United States), Mayumi Tamari (Japan) g Remarks Genome-Wide Association Study of Atopic Dermatitis in Children Kyung Won Kim (Korea) Childhood Asthma Genetics: The Prospect of Personalized Approach to Treatment Ting Fan Leung Wheezing Phenotypes and Asthma in Childhood Leonard Bacharier (United States) Pediatric Patients with Food Allergy in Asia d States), Mimi Tang (Australia) g Remarks Safety and Feasiblity of Oral Immunotherapy for Food Allergy: Lessons from Asia Sakura Sato (Treatment of Severe Wheat Allergy Punchama Pacharn (Thailand) Immunomodulatory Effects of Enterococcus Probiotics in Allergic Rhinitis Huabin Li (China)	Grand Ballroom 10 g (Hong Kong) Room 20

13:30 – 15:00 ORAL ABSTRACT SESSIONS

14:45 - 15:00

OAS 5: Rhinitis, Rhinosinusitis, Ocular Allergies and Comorbidities Room R2 ABC					
Chairpersons: Hugo P. S. Van Bever (Singapore), Chae-Seo Rhee (Korea)					
13:30 - 13:45	5-10AS	Ambient Desert Dust and Allergic Symptoms: A Time Series Analysis from a National Birth Cohort (JECS) Kumiko Tsuji Kanatani (Japan)			
13:45 - 14:00	5-20AS	Comparison of Different Medical Treatment Options for CRSwNP: Doxycycline, Methylprednisolone, Mepo Omalizumab Els De Schryver (Belgium)	olizumab,		
14:00 - 14:15	5-30AS	Discrimination between Non-Eosinophilic and Eosinophilic Chronic Rhinosinusitis with Nasal Polyps Ponc	ı Park (Korea)		
14:15 - 14:30	5-40AS	A Phenotype of Rhinitis from School Children Is Associated with the Development of Bronchial Hyperresp Eun Lee (Korea)	onsiveness		
14:30 - 14:45	5-50AS	Immunomodulatory Effect of Tonsil Derived Mesenchymal Stem Cells in a Mouse Model of Allergic Rhinit Ji-Hye Kim (Korea)	ris		

Inhibitory Effect of Prostaglandin E2 on the Migration of Nasal Fibroblasts | Il-Ho Park (Korea)

JUNIOR MEMBER PRACTICAL COURSE

Senior: Pongsakorn Tantilipikorn (Thailand)

5-60AS

JM 5: Conjunctival and Nasal Allergen Challenges: When and How

Room R1 ABC

	U	,	-
13	3:30 - 13:50	Welcoming	Remarks
13	3:50 - 14:15	5-1JM	Junior Member Hongfei Lou (China)
14	1:15 - 14:40	5-2JM	Junior Member Els De Schryver (Belgium)
14	1:40 - 15:00	Discussion	



SISTER SOCIETY SYMPOSIUM

SSS 3: American College of Allergy, Asthma and Immunology (ACAAI) Symposium - Challenges to the Practicing Allergist/Immunologist in the USA

Room 203 A&B

Chairperson: Dana Wallace (United States)

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13:30 - 13:35	Welcoming	Remarks		
13:35 - 13:55	3-1SSS	Anaphylaxis: The USA Experience James Sublett (United States)		
13:55 - 14:15	3-2SSS	Is It Asthma, COPD or Both? Bryan Martin (United States)		
14:15 - 14:35	3-3SSS	Choices in Immunotherapy: Sublingual Immunotherapy (SLIT) vs Subcutaneous (SCIT) Immunotherapy Stanley Fineman (United States)		
14:35 - 15:00	Discussion			



COMPANY SPONSORED SYMPOSIUM

CSS 2: What We Know about Asthma Treatment

Grand Ballroom 102

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

15:30 - 17:00

SYMPOSIA

SY 8: Eosinophil Death Pathways

Grand Ballroom 103

15:30 - 15:35 Welcoming Remarks
15:35 - 15:55 8-1SY Eosinophil Death Receptors as Therapeutic Targets | Bruce Bochner (United States)
15:55 - 16:15 8-2SY Signaling Pathways Regulating the Life Span of Eosinophils | Hans-Uwe Simon (Switzerland)
16:15 - 16:35 8-3SY Eosinophil Biology and Regulation of Eosinophil-Specific Genes | II Yup Chung (Korea)

16:35 - 17:00 Discussion

SY 9: The Most Important Cause of Asthma in Children

Chairpersons: Dagmar Simon (Switzerland), Takao Fujisawa (Japan)

Grand Ballroom 104

Chairpersons: Meenu Singh (India), Elham Hossny (Egypt)

15:30 - 15:35	Welcoming	Welcoming Remarks		
15:35 - 15:55	9-1SY	A Combination of Genetic and Environmental Factors Is the Most Important Cause of Childhood Asthma Mayumi Tamari (Japan)		
15:55 - 16:15	9-2SY	An Environmentally-Induced Increase in Th2 Responses Is the Most Important Cause of Childhood Asthma Juan Celedon (United States)		
16:15 - 16:35	9-3SY	Altered Immune Development Is the Most Important Cause of Childhood Asthma James Gern (United States)		
16:35 - 17:00	Discussion			

15:30 - 17:00	SYMPOSIA							
	SY 10: The Epithelium in Immune Regulation: Innate and Adaptive Immunity Chairmana and Michiga Spite (Longo) Pay Control with Mathedands)							
	Chairpersons: Hirohisa Saito (Japan), Roy Gerth van Wijk (Netherlands) 15:30 - 15:35 Welcoming Remarks							
	15:35 - 15:55	10-1SY						
	15:55 - 16:15	10-131 10-2SY	Defective Epithelial Barrier Function and the Role of Tight Junctions Cezmi Akdis (Switzerland) Epithelial Cell Derived Cytokines Immune Cell Interactions: Front Line of Allergic Airway Ruby P					
	16:15 - 16:35	10-231 10-3SY	Impact of Environmental Factors on Modulating Epithelial Cell Function in Asthma Peter Howar	•				
	16:35 - 17:00	Discussion	impact of Environmental Factors on Modulating Epimelial Cell Foliction in Ashinia Ferei Howar	iii (Oililea Kiligaoili)				
	PEDIATRIC SESSION							
	PED 6: Environment and Pediatric Allergy Grand Bal							
	Chairpersons: <i>Leona</i>							
	15:30 - 15:35	Welcoming						
	15:35 - 15:55	6-1PED	Climate Change, Allergens and Pollinosis Jae-Won Oh (Korea)					
	15:55 - 16:15	6-2PED	Allergy to Cockroach Pakit Vichyanond (Thailand)					
	16:15 - 16:35	6-3PED	Can the Human Microbiome Be Targeted for Therapy of Allergic Disease? Bee Wah Lee (Singa	pore)				
	16:35 - 17:00	Discussion						
	WORKSHOP							
	WS 9: Neuro-Immune Interactions in Allergic Airways Diseases Chairpersons: Stephen Peters (United States), Sandra Nora González-Diaz (Mexico)							
	15:30 - 15:35	Welcoming	Remarks					
	15:35 - 15:55	9-1WS	Neuro-Immune Crosstalk within the Airways TBC					
	15:55 - 16:15	9-2WS	Role of Sensory Neuronal Toll-like Receptors in Itch Sung Joong Lee (Korea)					
	16:15 - 16:35	9-3WS	Dendritic Cell-Nerve Interaction in Allergic Airway Inflammation Armin Braun (Germany)					
	16:35 - 17:00	Discussion						
	ORAL ABSTRACT							
	OAS 6: Immunology Chairpersons: Mübeccel Akdis (Switzerland), Hiroshi Nakajima (Japan)							
	15:30 - 15:45	6-10AS	RNA Binding Protein HUR Regulates CD4+ T Cell Differentiation and Is Required for Allergic Airwi	ay Inflammation and				
			Normal IL-2 Homeostasis Ulus Atasoy (United States)					
	15:45 - 16:00	6-20AS	PI3K-Delta Signaling Pathway Is Required for the Assembly of NLRP3 Inflammasome in Bronchic Induced Allergic Asthma So Ri Kim (Korea)	ıl Epithelium ot HDM-				
	16:00 - 16:15	6-30AS	IL-23 Roles in the Development of House Dust Mite Allergic Sensitization and Asthma Da-Eun F	Park (Korea)				
	16:15 - 16:30	6-40AS	Phosphoinositide 3-Kinase Delta Isoform Can Activate NLRP3 Inflammasome through mROS Gen Severe Eosinophlic Asthma Yong Chul Lee (Korea)	eration in Fungus-Induced				
	16:30 - 16:45	6-50AS	IL-23 Has a Role to Play in the Development of Asthma in Short-Term Cigarette Smoke Exposure Allergic Model Hyun Seung Lee (Korea)	-Induced House-Dust Mite				
	16:45 - 17:00	6-60AS	Prostaglandin E2 and Transforming Growth Factor-B Play a Critical Role in Suppression of Allergia Adipose-Derived Stem Cells Sue Jean Mun (Korea)	: Airway Inflammation by				
	JUNIOR MEMBE	R PRACTICAI	L COURSE					
			ow to Be Effective and Safe	Room R1 AB				

Senior: Ignacio J. Ansotegui (Spain)

15:30 - 15:50 **Welcoming Remarks**

15:50 - 16:15 6-1JM Junior Member | Marco Caminati (Italy) 16:15 - 16:40 6-2JM Junior Member | Sang Min Lee (Korea)

16:40 - 17:00 Discussion



15:30 - 17:00 SISTER SOCIETY SYMPOSIUM

SSS 4: American Academy of Allergy, Asthma and Immunology (AAAAI) Symposium - Childhood Asthma: Inception, Room 203 A&B **Prevention and Progression**

Chairperson: Robert Lemanske (United States) 15.30 - 15.35 Walcoming Domarks

15:30 - 15:35	weicoming	g kemarks
15:35 - 15:55	4-1SSS	Treatment of Preschool Recurrent Wheezing Illnesses Peter Le Souëf (Australia)
15:55 - 16:15	4-2SSS	Genetic and Environmental Factors Contributing to Childhood Asthma Inception Robert Lemanske (United States)
16:15 - 16:35	4-3SSS	Severe Asthma in Children Leonard Bacharier (United States)

Allergy Asthma

Room 208 A&B

JUNIOR MEMBER SYMPOSIUM

16:35 - 17:00

JSY 1: WAO Junior Member Symposium

Chairpersons: Hongfei Lou (China), Luciana Kase Tanno (Brazil)

Discussion

	, ,	
15:30 - 15:35	Welcoming	Remarks
15:35 - 15:55	1-1JSY	Controversies in Skin Allergy Guidelines: Where Do We Stand? Razvigor Darlenski (Bulgaria)
15:55 - 16:15	1-2JSY	Why Are We Looking for Biomarkers in Adult Asthma? Is There a Need? Jae-Hyun Lee (Korea)
16:15 - 16:35	1-3JSY	International Classification of Diseases (ICD)-11: Are Allergies at Last Going to Be More Visible? Luciana Kase Tanno (Brazil)
16:35 - 17:00	Discussion	



Grand Ballroom 102

COMPANY SPONSORED SYMPOSIUM

CSS 3: Molecular Allergy Diagnostics: Moving Towards Personalized Medicine in Allergy

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

Save the Date

How will you help educate on managing pollen allergies in a changing climate?

Start Here:

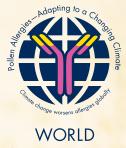
"Climate Change and Migration" (Chapter 3, Section 5) in WAO White Book on Allergy, 2011

http://www.worldallergy.org/definingthespecialty/white_book.php

WAO World Atlas of Aeroallergens

http://www.worldallergy.org/aeroallergens/

www.worldallergyweek.org



ALLERGY WEEK 4-10 April 2016

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Scientific Program – Friday, 16 October 2015

08:30 - 09:00	KEYNOTE LECTU	RE ALBERT (DEHLING HONORARY LECTURE				
	KEY 3: The Identification and Treatment of Patients with Monoclonal Mast Cell Disorders Hall D2						
	Chairperson: Yoshim	•	•	. (11 :: 16:)			
	08:30 - 09:00	3-1KEY	The Identification and Treatment of Patients with Monoclonal Mast Cell Disorders Dean Metcal	e (Ullilea Siales)			
09:00 - 10:30	PLENARY SESSION			u II po			
	PS 3: Atopic Dermatitis: From Barrier to Inflammation Chairpersons: Nelson Rosário Filho (Brazil), Hugh Sampson (United States) Hall D2						
	09:00 - 09:05	Welcoming	•				
	09:05 - 09:30	3-1PS	Pathogenesis of Atopic Dermatitis: What's New? Thomas Bieber (Germany)				
	09:30 - 09:55	3-2PS	Function and Dysfunction of Skin Barrier Masayuki Amagai (Japan)				
	09:55 - 10:20	3-3PS	Immunotherapy and Biologics Mark Boguniewicz (United States)				
	10:20 - 10:30	Discussion					
11:00 - 12:30	SYMPOSIA						
	SY 11: Food-Related Anaphylaxis in Adults and Children Grand Ballroom 103						
			ore), Yitzhak Katz (Israel)				
	11:00 - 11:05	Welcoming					
	11:05 - 11:25	11-1SY	Major Cause and Risk Factors of Food-Related Anaphylaxis Mimi Tang (Australia)				
	11:25 - 11:45	11-2SY	Food-Dependent Exercise-Induced Anaphylaxis Nelson Rosário Filho (Brazil)				
	11:45 - 12:05	11-3SY	Management of Food-Induced Anaphylaxis Sooyoung Lee (Korea)				
	12:05 - 12:30	Discussion					
			Understanding for New Mechanisms of Allergy and Airway Inflammation (United States), Mario Sánchez Borges (Venezuela)	Grand Ballroom 104			
	11:00 - 11:05	Welcoming	•				
	11:05 - 11:25	12-1SY	New Insights into Eosinophil-Mediated Immunotherapy Hans-Uwe Simon (Switzerland)				
	11:25 - 11:45	12-2SY	Similarity and Difference between Th2 Inflammations Deborah Strickland (Australia)				
	11:45 - 12:05	12-3SY	Clinical Phenotypes and Molecular Mechanisms of Severe Asthma Koichiro Asano (Japan)				
	12:05 - 12:30	Discussion					
	SY 13: Development of Allergy: Lessons from the Birth Cohort Study Grand Ballroom 105						
	Chairpersons: <i>Cezmi</i>						
	11:00 - 11:05	Welcoming					
	11:05 - 11:25		Pre and Post-Natal Environments and Allergy Soo-Jong Hong (Korea)				
	11:25 - 11:45	13-2SY	The Role of the Microbiome and Hygiene Hypothesis in the Development of Food Allergy Katri				
	11:45 - 12:05	13-3SY	Development of Allergy: Lessons from Longitudinal Cohort Studies James Gern (United States)				
	12:05 - 12:30	Discussion					
	PEDIATRIC SESSION						
	PED 7: Food Allergy in Children: Oral Immune Tolerance Chairpersons: Motohiro Ebisawa (Japan), Alessandro Fiocchi (Vatican City) Grand Ballroom 101						
	11:00 - 11:05	Welcoming	•				
	11:05 - 11:25	7-1PED	Effect of Early Food Introduction on Oral Immune Tolerance Noriyuki Yanagida (Japan)				
	11:25 - 11:45	7-2PED	Induction of Immune Tolerance with Hypoallergenic Food Hugh Sampson (United States)				
	11:45 - 12:05	7-3PED	Difficulties and Problems of Oral Immune Tolerance Kangmo Ahn (Korea)				
	12:05 - 12:30	Discussion					
	WORKSHOPS						
	WS 10: Allergic Conjunctivitis Chairpersons: Dana Wallace (United States), Maria Carmela Kasala (Philippines)						
	11:00 - 11:05	Welcoming	•••				
	11:05 - 11:25	10-1WS	Update on Pathogenesis of Allergic Conjunctivitis Leonard Bielory (United States)				
	11:25 - 11:45	10-2WS	Vernal Keratoconjunctivitis: A Severe Allergic Disease of the Eye with Remodeling Changes Pak	it Vichvanond (Thailand)			
	11:45 - 12:05	10-3WS	New Treatments in Allergic Conjunctivitis Sergio Bonini (Italy)	, , , , , , , , , , , , , , , , , , , ,			
	12:05 - 12:30	Discussion					

11:00 - 12:30 **WORKSHOPS**

WS 11: Improving Adherence in Our Chronic Allergic Patients Room 201					
Chairpersons: Yang-Keun Rhee (Korea), Carlos Cuello-Garcia (Canada)					
11:00 - 11:05	Welcoming	Remarks			
11:05 - 11:25	11-1WS	Do Our Patients Adhere to Our Recommendations? James Sublett (United States)			
11:25 - 11:45	11-2WS	What Are the Influences of Cognitive, Interpersonal and Cultural Factors Impacting Adherence? Young-Koo J	ee (Korea)		
11:45 - 12:05	11-3WS	What Can We Do to Improve Adherence for Our Patients? Stanley Fineman (United States)			

ORAL ABSTRACT SESSIONS

Discussion

12:05 - 12:30

OAS 7: Pediatrics		Room R2 ABC
Chairpersons: Kyu-Ea	rn Kim (Korea)), Allen Liang (New Zealand)
11:00 - 11:15	7-10AS	Effect of Dietary Methyl Donors on Asthma and Atopy is Modified by MTHFR Polymorphism Yean Jung Choi (Korea)
11:15 - 11:30	7-20AS	Serum Periostin Levels Was Not Associated with Allergic Rhinitis and Allergic Sensitization in Korean Children Ju Wan Kang (Korea)
11:30 - 11:45	7-30AS	Atopic Dermatitis and Sleep Disorders in Latin American Children Marilyn Urrutia Pereira (Brazil)
11:45 - 12:00	7-40AS	Usefulness of Exhaled Nitric Oxide for Evaluating Wheeze and Airway Hyperresponsiveness in Preschool Children Jung-Won Lee (Korea)
12:00 - 12:15	7-50AS	Effect of Prenatal Maternal Distress and GSDMB Polymorphism on the Development of Recurrent Wheezing in Early Childhood: COCOA Study Yean Jung Choi (Korea)
12:15 - 12:30	7-60AS	A Novel Biomarker for Wheezing and Atopy in Early Infancy Eishika Dissanayake (Japan)

JUNIOR MEMBER PRACTICAL COURSE

JM 7: Practical Management of Anaphylaxis Room R1 ABC

Senior: Yehia El-Gamal (Egypt)

11:00 - 11:20	Welcoming	Remarks
11:20 - 11:45	7-1JM	Junior Member Luciana Kase Tanno (Brazil)
11:45 - 12:10	7-2JM	Junior Member Kyunguk Jeong (Korea)
12:10 - 12:30	Discussion	



SISTER SOCIETY SYMPOSIUM

SSS 5: Japanese Society of Allergology (JSA) Symposium - Innate Inflammation and Allergic Disease

Room 203 A&B

Chairpersons: Ruby Pawankar (Japan), Hiroshi Nakajima (Japan)

11:00 - 11:05	Welcoming	Remarks	
11:05 - 11:25	5-1SSS	Pathogenic Memory Type Th2 Cells and Innate Cytokines in Allergic Inflammation Toshinori Nakayama (J	apan)
11:25 - 11:45	5-2SSS	Regulatory B Cells Mübeccel Akdis (Switzerland)	
11:45 - 12:05	5-3SSS	Innate Lymphoid Cells in Allergic Inflammation Shigeo Koyasu (Japan)	JSA
12:05 - 12:30	Discussion		County S

COMPANY SPONSORED SYMPOSIUM

CSS 4: Understanding the Matters of Asthma Control in the Real World

Grand Ballroom 102

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

POSTER SESSIONS 12:30 - 13:30

Please refer to the "Poster Sessions" section of this Final Program for complete details.

POS 3: Poster Session	n 3								Hall D Pre-Function	
Poster Numbers										
3000 - 3077	3-1POS	Asthma								

Poster Numbers		
3000 - 3077	3-1POS	Asthma
		Chairpersons: Soon Seog Kwon (Korea), Gary WK Wong (Hong Kong), Stanley Fineman (United States), Koichiro Asano
		(Japan), Yi Yeong Jeong (Korea), Kwang-Ha Yoo (Korea), Tae-Bum Kim (Korea)
3078 - 3103	3-2P0S	Skin Allergy
		Chairpersons: Revaz Sepiashvili (Russia), Masayuki Amagai (Japan), Hee Chul Eun (Korea)
3104 - 3138	3-3P0S	Immunotherapy
		Chairpersons: Seon Tae Kim (Korea), Giovanni Passalacqua (Italy), Amir Hamzah Abdul Latiff (Malaysia)
3139 - 3199	3-4P0S	Pediatrics
		Chairpersons: Yeong Ho Rha (Korea), Jessie de Bruyne (Malaysia), Nelson Rosário Filho (Brazil), Yehia El-Gamal (Egypt),
		Sun-Hee Choi (Korea), Hey-Sung Baek (Korea)

13:30 - 15:00

CV 14 !		A 11 ·	e lell ser
SY 14: Innovative A			Grand Ballroom 103
•		Brazil), Bernard Thong (Singapore)	
13:30 - 13:35	Welcoming	•	
13:35 - 13:55	14-1SY	Use of Allergen Components: A New Era in Allergology Victória Cardona (Spain)	
13:55 - 14:15	14-2SY	Special Considerations on Anaphylaxis in Latin America Edgardo Jares (Argentina)	
14:15 - 14:35	14-3SY	Immunologic Intervention of Drug-Induced Anaphylaxis Masao Yamaguchi (Japan)	
14:35 - 15:00	Discussion		
SY 15: Eosinophils	in Asthma and	Allergy	Grand Ballroom 10
	Izuhara (Japan)	, Paige Wickner (United States)	
13:30 - 13:35	Welcoming	g Remarks	
13:35 - 13:55	15-1SY	Eosinophilia Associated Lung Disease: ABPA, Churg-Strauss Syndrome, and Eosinophilic Pneumoni Stephen Peters (United States)	ia
13:55 - 14:15	15-2SY	Allergens, Eosinophils and Mast Cells: Innate and Adaptive Effector Unit Erika Jensen-Jarolim (A	ustria)
14:15 - 14:35	15-3SY	Novel Targeted Therapies for Eosinophilic Disorders Shigeharu Ueki (Japan)	
14:35 - 15:00	Discussion		
CA 14. CI VD D C	nnocium Drou	vention of Allergy: Is It Possible?	Grand Ballroom 10
		ayarlakh (Mongolia), Kyu Han Kim (Korea)	Orana Damouni 10
13:30 - 13:35	Welcoming		
13:35 - 13:55	16-1SY	Guidelines Development: Level of Evidence for Guidelines via the GRADE Approach Carlos Cuello	-Garcia (Canada)
13:55 - 14:15	16-2SY	Allergy Strategies towards Prevention: The GLAD-P Project Katrina Allen (Australia)	Garcia (Curiuuu)
14:15 - 14:35	16-3SY	What Are the Current Recommendations for Prevention of Allergy? Alessandro Fiocchi (Vatican	City)
14:35 - 15:00	Discussion	5 , 1	City)
14.05 - 15.00	חוטנטטטוטוו		
PEDIATRIC SESS	ION		
		om Asthma Epidemiology Studies?	Grand Ballroom 10
	-	g Kong), Ha-Baik Lee (Korea)	
13:30 - 13:35			
		g Remarks	
13:35 - 13:55	8-1PED	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea)	
13:35 - 13:55 13:55 - 14:15	8-1PED 8-2PED	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States)	
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13:35 - 13:55 13:55 - 14:15 14:15 - 14:35	8-1PED 8-2PED	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United Sta	utes)
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13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 12: Best Evider Chairpersons: Bryan 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 ORAL ABSTRAC OAS 8: Immunothe Chairpersons: Ralph 13:30 - 13:45	8-1PED 8-2PED 8-3PED Discussion Tee and Best Pr Martin (United Welcoming 12-1WS 12-2WS 12-3WS Discussion T SESSIONS Brapy Mösges (Germang 8-10AS	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United States) ractice for Difficult Cases States Juan C. Sisul (Paraguay) g Remarks Evidence-Based Diagnosis and Management of Severe Pruritus David Lang (United States) Updating the Role Played by Immunotherapy for Allergic Rhinitis Cemal Cingi (Turkey) Treatment Strategies for Difficult Cases of Chronic Rhinosinusitis Hun Jong Dhong (Korea) any), Dong-Ho Nahm (Korea) Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hy Christine Yee Yan Wai (Hong Kong) Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests Karl-Christian Recognition Reco	Room 208 A& Room R2 AB rpersensitivity Bergmann (Germany)
13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 12: Best Evider Chairpersons: Bryan 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 ORAL ABSTRAC OAS 8: Immunothe Chairpersons: Ralph 13:30 - 13:45 13:45 - 14:00 14:00 - 14:15	8-1PED 8-2PED 8-3PED Discussion Total and Best Pr Martin (United Welcoming 12-1WS 12-2WS 12-3WS Discussion T SESSIONS Trapy Mösges (German 8-10AS 8-20AS 8-30AS	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United States) Tractice for Difficult Cases States), Juan C. Sisul (Paraguay) g Remarks Evidence-Based Diagnosis and Management of Severe Pruritus David Lang (United States) Updating the Role Played by Immunotherapy for Allergic Rhinitis Cemal Cingi (Turkey) Treatment Strategies for Difficult Cases of Chronic Rhinosinusitis Hun Jong Dhong (Korea) Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hy Christine Yee Yan Wai (Hong Kong) Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests Karl-Christian E Effects of Interleukin-9 on Allergen-Specific Immunotherapy in a Mouse Model of Allergic Rhinitis	Room 208 A& Room R2 AB rpersensitivity Bergmann (Germany) Ji-Hyeon Shin (Korea)
13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 12: Best Evider Chairpersons: Bryan 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 ORAL ABSTRAC OAS 8: Immunothe Chairpersons: Ralph 13:30 - 13:45 13:45 - 14:00 14:00 - 14:15 14:15 - 14:30	8-1PED 8-2PED 8-3PED Discussion Toce and Best Pr Martin (United Welcoming 12-1WS 12-2WS 12-3WS Discussion T SESSIONS Brapy Mösges (German 8-10AS 8-20AS 8-30AS 8-40AS	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United States) Istates), Juan C. Sisul (Paraguay) g Remarks Evidence-Based Diagnosis and Management of Severe Pruritus David Lang (United States) Updating the Role Played by Immunotherapy for Allergic Rhinitis Cemal Cingi (Turkey) Treatment Strategies for Difficult Cases of Chronic Rhinosinusitis Hun Jong Dhong (Korea) any), Dong-Ho Nahm (Korea) Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hy Christine Yee Yan Wai (Hong Kong) Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests Karl-Christian Effects of Interleukin-9 on Allergen-Specific Immunotherapy in a Mouse Model of Allergic Rhinitis Novel Anti-IL-4Ra Nanocarrier Approach for the Efficient Control of Lung Tissue Inflammation durin Rabih Halwani (Saudi Arabia)	Room 208 A& Room R2 AB rpersensitivity Bergmann (Germany) Ji-Hyeon Shin (Korea) ng Asthma
13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 12: Best Evider Chairpersons: Bryan 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 ORAL ABSTRAC OAS 8: Immunothe Chairpersons: Ralph 13:30 - 13:45 13:45 - 14:00 14:00 - 14:15 14:15 - 14:30 14:30 - 14:45	8-1PED 8-2PED 8-3PED Discussion Total and Best Pr Martin (United Welcoming 12-1WS 12-2WS 12-3WS Discussion T SESSIONS Brapy Mösges (German 8-10AS 8-20AS 8-30AS 8-40AS 8-50AS	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United States) States), Juan C. Sisul (Paraguay) g Remarks Evidence-Based Diagnosis and Management of Severe Pruritus David Lang (United States) Updating the Role Played by Immunotherapy for Allergic Rhinitis Cemal Cingi (Turkey) Treatment Strategies for Difficult Cases of Chronic Rhinosinusitis Hun Jong Dhong (Korea) any), Dong-Ho Nahm (Korea) Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hy Christine Yee Yan Wai (Hong Kong) Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests Karl-Christian I Effects of Interleukin-9 on Allergen-Specific Immunotherapy in a Mouse Model of Allergic Rhinitis Novel Anti-IL-4Ra Nanocarrier Approach for the Efficient Control of Lung Tissue Inflammation durin Rabih Halwani (Saudi Arabia) A Randomized DBPC Dose-Finding Multicenter Trial of Sublingual Immunotherapy (SLIT) Allergoid Mites (HDM) Allergic Patients Ralph Mösges (Germany)	Room 208 A& Room R2 AB rpersensitivity Bergmann (Germany) Ji-Hyeon Shin (Korea) ng Asthma I Tablets in House Dust
13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 WORKSHOP WS 12: Best Evider Chairpersons: Bryan 13:30 - 13:35 13:35 - 13:55 13:55 - 14:15 14:15 - 14:35 14:35 - 15:00 ORAL ABSTRAC OAS 8: Immunothe Chairpersons: Ralph 13:30 - 13:45 13:45 - 14:00 14:00 - 14:15 14:15 - 14:30	8-1PED 8-2PED 8-3PED Discussion Toce and Best Pr Martin (United Welcoming 12-1WS 12-2WS 12-3WS Discussion T SESSIONS Brapy Mösges (German 8-10AS 8-20AS 8-30AS 8-40AS	Phenotypes of Childhood Asthma Myung Hyun Sohn (Korea) Long-Term Outcome of Pediatric Asthma Gurjit Khurana Hershey (United States) Urban and Rural Disparity of Allergy: The Role of Microbiome Christine Cole Johnson (United States) Istates), Juan C. Sisul (Paraguay) g Remarks Evidence-Based Diagnosis and Management of Severe Pruritus David Lang (United States) Updating the Role Played by Immunotherapy for Allergic Rhinitis Cemal Cingi (Turkey) Treatment Strategies for Difficult Cases of Chronic Rhinosinusitis Hun Jong Dhong (Korea) any), Dong-Ho Nahm (Korea) Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hy Christine Yee Yan Wai (Hong Kong) Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests Karl-Christian I Effects of Interleukin-9 on Allergen-Specific Immunotherapy in a Mouse Model of Allergic Rhinitis Novel Anti-IL-4Ra Nanocarrier Approach for the Efficient Control of Lung Tissue Inflammation durin Rabih Halwani (Saudi Arabia) A Randomized DBPC Dose-Finding Multicenter Trial of Sublingual Immunotherapy (SLIT) Allergoid	Room 208 As Room R2 Al rpersensitivity Bergmann (Germany) Ji-Hyeon Shin (Korea ng Asthma I Tablets in House Dust

13:30 - 15:00 JUNIOR MEMBER PRACTICAL COURSE

JM 8: Practical Approach to Urticaria

Senior: Marcus Maurer (Germany)

13:30 - 13:50 Welcoming Remarks

13:50 - 14:15 8-1JM Junior Member | Razvigor Darlenski (Bulgaria) 14:15 - 14:40 8-2JM Junior Member | Woo-Jung Song (Korea)

14:40 - 15:00 Discussion



Room 203 A&B

Room R1 ABC

SISTER SOCIETY SYMPOSIUM

SSS 6: Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI) Symposium - Important but Neglected Issues in Allergy

Chairpersons: Yoon-Seok Chang (Korea), Francis Thien (Australia)

13:30 - 13:35 Welcoming Remarks

13:35 - 13:55 **6-1SSS** Eosinophilic Esophagitis, Gastroenteritis and Colitis | Francis Thien (Australia)

13:55 - 14:15 **6-2SSS** Angioedema without Urticaria | Young Joo Cho (Korea)

14:15 - 14:35 **6-3SSS** Important but Neglected Food Allergens: Lessons from Asia | Bee Wah Lee (Singapore)

14:35 - 15:00 Discussion



COMPANY SPONSORED SYMPOSIUM

CSS 5: New Insights of Asthma Management with Inhaled Corticosteroid/Long-Acting Beta-Agonist ICS/LABA

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

Grand Ballroom 102

Grand Ballroom 103

15:30 - 17:00

SYMPOSIA

SY 17: Mast Cell in Allergic Inflammation

Chairpersons: Erika Jensen-Jarolim (Austria), Nina Irawati (Indonesia)

15:30 - 15:35 Welcoming Remarks

15:35 - 15:55 Mast Cell Regulation of Allergic Inflammation | Mindy Tsai (United States) 17-1SY

17-2SY Heterogeneity of Human Mast Cells in Allergic Inflammatory Diseases | Yoshimichi Okayama (Japan) 15:55 - 16:15

16:15 - 16:35 17-3SY Mechanisms of Basophils and Mast Cell Function | Dean Metcalfe (United States)

16:35 - 17:00 Discussion

SY 18: What Is New in the Management of NSAID Hypersensitivity

Grand Ballroom 104

Chairperson: Hiok Hee Chng (Singapore)

15:30 - 15:35 Welcoming Remarks

15:35 - 15:55 18-1SY Update on the Pathogenic Mechanisms of Aspirin-Exacerbated Respiratory Disease (AERD) | Hae-Sim Park (Korea)

15:55 - 16:15 18-2SY New Classification and In Vitro/In Vivo Diagnostic Methods | Marek L. Kowalski (Poland)

18-3SY Optimal Management of Aspirin-Exacerbated Respiratory Disease (AERD) | Masami Taniquchi (Japan) 16:15 - 16:35

16:35 - 17:00 Discussion

SY 19: Management of Rhinitis Grand Ballroom 105

Chairpersons: Sandra Nora González-Diaz (Mexico), Yuan Zhang (China)

15:30 - 15:35 Welcoming Remarks

15:35 - 15:55 19-1SY Alleraic vs. Non-Alleraic Rhinitis: Are They Different? | Philippe Gevaert (Belaium)

15:55 - 16:15 Management of Rhinitis: Can We Achieve Control with Pharmacotherapy by Improving Quality of Life | 19-2SY

Chaweewan Bunnag (Thailand)

16:15 - 16:35 19-3SY Sublingual Immunotherapy of Allergic Rhinitis in Children | Heung-Man Lee (Korea)

16:35 - 17:00 Discussion

PEDIATRIC SESSION

PED 9: Solutions for Allergy in School

Grand Ballroom 101

Chairpersons: James Sublett (United States), Bok-Yang Pyun (Korea)

15:30 - 15:35 Welcoming Remarks

15:35 - 15:55 9-1PED Food Allergy and Anaphylaxis in School | So-Yeon Lee (Korea)

15:55 - 16:15 9-2PED Asthma in School | Takao Fujisawa (Japan)

16:15 - 16:35 9-3PED Preventive Measures for School Allergy in Asian Pacific Countries | Yong Mean Park (Korea)

16:35 - 17:00 Discussion

15:30 - 17:00

WORKSHOPS			
WS 13: Airways Di			Room 208 A&B
		Ting Fan Leung (Hong Kong)	
15:30 - 15:35	Welcoming		
15:35 - 15:55	13-1WS	The Management of Childhood Asthma Jianguo Hong (China)	
15:55 - 16:15	13-2WS	The Current Status of Allergic Diseases in Children in China Jing Zhao (China)	
16:15 - 16:35	13-3WS	Asthma, Allergy and Environmental Exposure in Chinese Children Jing Li (China)	
16:35 - 17:00	Discussion		
		constriction (EIB) and Asthma ai (Hong Kong), Zeynep Misirligil (Turkey)	Room R1 ABC
15:30 - 15:35	Welcoming	g Remarks	
15:35 - 15:55	14-1WS	Exercise-Induced Bronchoconstriction (EIB) and Asthma (EIA) in the General Population and Asthma Satoshi Honjo (Japan)	tic Subjects
15:55 - 16:15	14-2WS	Indirect Bronchial Challenges to Diagnose Exercise-Induced Bronchoconstriction (EIB) William Stori	ns (United States)
16:15 - 16:35	14-3WS	Refractoriness during the Repeated Indirect Challenges Young Yull Koh (Korea)	
16:35 - 17:00	Discussion		
ORAL ABSTRAC	T SESSIONS		
OAS 9: Allergy Pre	vention and Ri	sk Factors	Room R2 ABC
Chairpersons: <i>Alessa</i>	andro Fiocchi (V	atican City), Mariana Couto (Portugal)	
15:30 - 15:45	9-10AS	Transepidermal Water Loss Measurement during Infancy Can Predict the Subsequent Development of Kenta Horimukai (Japan)	of Atopic Dermatitis
15:45 - 16:00	9-20AS	Temporal Trends of the Nationwide Incidence of Anaphylaxis in Korea Ju-Young Kim (Korea)	
16:00 - 16:15	9-30AS	Prenatal Exposure to Farm Bacteria Protects Against Offspring Asthma Melanie Lynn Conrad (Gern	nany)
16:15 - 16:30	9-40AS	Perinatal Maternal Distress Is Associated with Development of Offspring's Atopic Dermatitis Ji-Won	Kwon (Korea)
16:30 - 16:45	9-50AS	Low Production of IL-10 in Response to Bacterial Stimuli, but not Colonization of <i>Bifidobacterium</i> , Is Infantile Eczema Shuichi Suzuki (Japan)	Associated with
16:45 - 17:00	9-60AS	Fructooligosaccharides Intake during Pregnancy and Lactation Increases Gut <i>Bifidobacterium</i> and IL-Yuji Fujita (Japan)	27 in Breast Milk
SISTER SOCIETY	SYMPOSIU	M	
	sociation of All	ergy and Asthma (ASBAI) Symposium - Particular Features of Allergic and Immunologic	Room 203 A&B
Diseases in Brazil		d)	
Chairperson: <i>Luis Fe</i>	•		
15:30 - 15:35	Welcoming		
15:35 - 15:55	7-1SSS	Anaphylaxis Luciana Kase Tanno (Brazil)	1
15:55 - 16:15	7-2SSS	Compliance with Urticaria Guidelines: How Much Is Achieved? Luis Felipe Ensina (Brazil)	
16:15 - 16:35	7-3SSS	Allergens Nelson Rosário Filho (Brazil)	
16:35 - 17:00	Discussion		ASBAI

00.20 00.00	VEVNOTE LECTIO	DE					
08:30 - 09:00	KEYNOTE LECTU KEY 4: Hypothesis-(idias and Allaray	Hall D2			
	Chairperson: <i>Motohin</i>			Hull DZ			
	08:30 - 09:00	4-1KEY	Hypothesis-Generating Studies and Allergy Hirohisa Saito (Japan)				
09:00 - 10:30	PLENARY SESSIC	N					
	PS 4: Anaphylaxis t			Hall D2			
	•		n), Mariana Couto (Portugal)				
	09:00 - 09:05	Welcoming					
	09:05 - 09:30	4-1PS	Does the Epidemiology of Anaphylaxis Differ from Infancy to Old Age? Ignacio J. Ansotegui (Sp				
	09:30 - 09:55	4-2PS	Does the Relative Importance of Anaphylaxis Triggers Differ from Infancy to Old Age? Wesley B				
	09:55 - 10:20 10:20 - 10:30	4-3PS Discussion	Anaphylaxis: Diagnostic and Therapeutic Issues from Infancy to Old Age F. Estelle R. Simons (C	anada)			
	10.20 - 10.30	DISCOSSIOII					
11:00 – 12:30	NEW HORIZON	SESSIONS					
	NII 10 II 1	11.5	FOOD ALLERGY & ANAPHYLAXIS TRACK	C D 100			
			r om Infancy to Old Age Canada), Orathai Piboonpocanun (Thailand)	Grand Ballroom 103			
	11:00 - 11:05	Welcoming	•				
	11:05 - 11:30	10-1NH	Causes and Risk Factors of Anaphylaxis: Differences among Asian Countries and Ages Lynette S	Shek (Singanore)			
	11:30 - 11:55	10-2NH	Rapid Suppression of IgE-Mediated Anaphylaxis Fred Finkelman (United States)	more (Singaporo)			
	11:55 - 12:20	10-3NH	Facing Issues of Management of Anaphylaxis Margitta Worm (Germany)				
	12:20 - 12:30	Discussion					
			CLIMATE CHANGE & THE MICROBIOME TRACK				
	NH 11: The Microbiome and Its Impact on Allergic Disease Grand Ballroom 104 & 10						
			orn (Thailand), Zeynep Misirligil (Turkey)	na bamoom 101 & 105			
	11:00 - 11:05	Welcoming					
	11:05 - 11:30	11-1NH	The Gut Microbiome on Health and Disease Christina West (Sweden)				
	11:30 - 11:55	11-2NH	The Microbiome and Allergic Airways Diseases Ruby Pawankar (Japan)				
	11:55 - 12:20	11-3NH	Skin Microbiota in Atopic Dermatitis Bok-Yang Pyun (Korea)				
	12:20 - 12:30	Discussion					
	SYMPOSIUM						
			Group Symposium: Harnessing the Real World to Address Unmet Needs in Allergy Care	Room 201			
	•	•	re), Inseon S. Choi (Korea)				
	11:00 - 11:05	Welcoming		0 1 22 1			
	11:05 - 11:25	20-1SY	Identifying Obstructive Lung Disease Using Routine Clinical Data: Methods and Real-Life Research Job van Boven (Netherlands)	Opportunities			
	11:25 - 11:45	20-2SY	Building an "Optimum" Database for Asthma/Allergy Research: The Optimum Patient Care Rese Database David Price (Singapore)	arch 66			
	11:45 - 12:05	20-3SY	Guiding Guidelines towards a More Patient-Centric Approach G. Walter Canonica (Italy)	6			
	12:05 - 12:30	Discussion					
	PEDIATRIC SESSI	ION					
	PED 10: Pathogene	sis of Pediatric	: Allergy: Updated Issues	Grand Ballroom 101			
	Chairperson: Ji Tae C	-					
	11:00 - 11:05	Welcoming					
	11:05 - 11:25	10-1PED	Role of Staphlococcus Aureus in Allergic Inflammation Mitsuhiro Okano (Japan)				
	11:25 - 11:45	10-2PED	House Dust Mite Allergy: Environment Evaluation and Disease Prevention Jawji Tsai (Taiwan)				
	11:45 - 12:05	10-3PED	Novel Risk Factors for Pediatric Allergic Rhinitis Doo Hee Han (Korea)				
	12:05 - 12:30	Discussion					

11:00 - 12:30 **WORKSHOP** WS 15: Cough Hypersensitivity Syndrome: A New Approach to Chronic Cough Room 208 A&B Chairpersons: Young Hyo Kim (Korea), Young Kyoon Kim (Korea) 11:00 - 11:05 Welcoming Remarks 11:05 - 11:25 15-1WS Evolution of the "Cough Hypersensivity Syndrome" Concept | Alyn Morice (United Kingdom) 11:25 - 11:45 15-2WS The Differences and Similarities between Eosinophilic Bronchitis and Asthma | Kefang Lai (China) 11:45 - 12:05 15-3WS Novel Therapeutic Target in Refractory Cough | Woo-Jung Song (Korea) 12:05 - 12:30 Discussion **APAPARI POSTGRADUATE COURSE** PG 1: Research Methodologies in Pediatric Allergies Room R2 ABC Chairpersons: Soo-Jong Hong (Korea), Gary WK Wong (Hong Kong) 11:00 - 11:05 Welcoming Remarks 11:05 - 11:25 1-1PG The Essential Components of Pediatric Allergy Research | Soo-Jong Hong (Korea) 11:25 - 11:45 1-2PG The Essence of Asthma Genetics Study | Ting Fan Leung (Hong Kong) 11:45 - 12:05 1-3PG How to Get Your Data Published in High Impact Journals | Gary WK Wong (Hong Kong) 12:05 - 12:30 Discussion SISTER SOCIETY SYMPOSIUM Room 203 A&B SSS 8: Latin American Society of Allergy, Asthma and Immunology (SLaai) - Allergy to Drugs and New Tools and Outcome Measurement Chairpersons: Juan C. Sisul (Paraguay), Edgardo Jares (Argentina) 11:00 - 11:05 Welcoming Remarks 11:05 - 11:25 **8-1SSS** New Tools and Outcome Measurement | Torsten Zuberbier (Germany) On-line Registry as a Tool for Describing Drug Hypersensitivities | 11:25 - 11:45 **8-2SSS** Edgardo Jares (Argentina) 11:45 - 12:05 **8-3SSS** Drug-Induced Anaphylaxis in Latin América | Juan Carlos Ivancevich (Argentina) 12:05 - 12:30 Discussion **COMPANY SPONSORED SYMPOSIUM** CSS 6: Asthma: New Insights, New Treatments, New Methodologies **Grand Ballroom 102** Please refer to the "Company Sponsored Symposia" section of this Final Program for complete details. 12:30 - 13:30 **POSTER SESSIONS** Please refer to the "Poster Sessions" section of this Final Program for complete details. POS 4: Poster Session 4 Hall D Pre-Function Poster Numbers 4000 - 4021 4-1P0S Drug Allergy Chairpersons: Revaz Sepiashvili (Russia), Edgardo Jares (Argentina) 4022 - 4072 4-2POS Immunology Chairpersons: J. David Edgar (United Kingdom), Ricardo Sorensen (United States), Bruce Bochner (United States), Sang-Heon Kim (Korea), You Sook Cho (Korea), Young Il Koh (Korea) 4073 - 4109 4-3P0S Alleray Prevention and Risk Factors Chairpersons: Hugo P.S. Van Bever (Singapore), Alessandro Fiocchi (Vatican City), Juan Carlos Ivancevich (Argentina) 4110 - 4146 4-4P0S Miscellaneous Chairpersons: Pedro Giavina-Bianchi (United States), Man Yong Han (Korea), Dana Wallace (United States) 13:30 - 15:00 **NEW HORIZON SESSIONS FOOD ALLERGY & ANAPHYLAXIS TRACK** NH 12: Drug Allergy **Grand Ballroom 103** Chairperson: Sandra Nora González-Diaz (Mexico) 13:30 - 13:35 Welcoming Remarks

Protocols for Clinical Practice | Paige Wickner (United States)

Challenge and Desensitization in the Office Setting | Luis Felipe Ensina (Brazil)

International Consensus on (ICON) Drug Allergy | Pascal Demoly (France)

13:35 - 14:00

14:00 - 14:25 14:25 - 14:50

14:50 - 15:00

12-1NH

12-2NH

12-3NH

Discussion

13:30 – 15:00	NEW HORIZON	CECCIONC						
13:30 - 15:00	NEW HORIZON	SESSIONS	CLIMATE CHANGE & THE MICROBIOME TRACK					
	NH 13: Environmen	ital lecupe and A		and Ballroom 104 & 105				
	NH 13: Environmental Issues and Allergic Diseases Chairpersons: Roy Gerth van Wijk (Netherlands), Guicheng (Brad) Zhang (Australia) Grand Ballroom 104 & 105							
	13:30 - 13:35	Welcoming F						
	13:35 - 14:00	-	Urban Air Quality and Public Health Jung-Won Park (Korea)					
	14:00 - 14:25		Air Pollution and Airways Disease Gary WK Wong (Hong Kong)					
	14:25 - 14:50		The Impact of Climate Changes on Pollinosis Gennaro D'Amato (Italy)					
	14:50 - 15:00	Discussion	· · · · · · · · · · · · · · · · · · ·					
	WORKSHOP							
	WS 16: New Metho	dology for Diagr	nosis of Allergic Disease	Room 208 A&B				
			States), Carlos Cuello-Garcia (Canada)					
	13:30 - 13:35	Welcoming F	Remarks					
	13:35 - 13:55	16-1WS	Utilization of a Large Database in Studying the Epidemiology of Allergy Jiu-Yao Wang (Taiwar	1)				
	13:55 - 14:15	16-2WS	Molecular Diagnosis of Allergic Disease Ignacio J. Ansotegui (Spain)					
	14:15 - 14:35	16-3WS	Novel Imaging Approach for Asthma Akio Niimi (Japan)					
	14:35 - 15:00	Discussion						
	NATIONAL SOCI	ETY SYMPOSI	UM					
			n - New Insights on Allergy and Asthma: Lessons from Epidemiologic Studies	Grand Ballroom 101				
	•		, Jin Tack Kim (Korea)					
	13:30 - 13:35	Welcoming F						
	13:35 - 13:55		Asthma as an Entry Point of Non-Communicable Disease Young Juhn (United States)					
	13:55 - 14:15		A Nationwide Survey for Allergen Sensitizations in Childhood and Adolescents Dae Hyun Lim					
	14:15 - 14:35		Novel Trajectories for Identifying Asthma Phenotypes: Findings from the COREA Cohort Tae-Bu	m Kim (Korea)				
	14:35 - 15:00	Discussion						
	APAPARI POSTGRADUATE COURSE							
			roach and Treatment Options	Room R2 ABC				
	•	•	land), Motohiro Ebisawa (Japan)					
	13:30 - 13:35	Welcoming F						
	13:35 - 13:55		The Dos and Don'ts for the Diagnosis of Food Allergy Pakit Vichyanond (Thailand)	wa (lanan)				
	13:55 - 14:15 14:15 - 14:35		Immunotherapy for Food Allergies: The Prospect for Treatment and Prevention Motohiro Ebisa	wa (Japan)				
	14:35 - 15:00	Discussion	Early Interventions in Food Allergy Lynette Shek (Singapore)					
	SISTER SOCIETY							
	SSS 9: WISC 2016 Symposium - Advances in the Evaluation and Management of Chronic Urticaria and Angioedema Room 203 A&B Chairpersons: Mario Sánchez Borges (Venezuela), Edgardo Jares (Argentina)							
	13:30 - 13:35	Welcoming F						
	13:35 - 13:55	9-1SSS	Urticaria Guidelines: Consensus and Controversies in the European and American Guidelines					
	13:55 - 14:15	9-2SSS	Jonathan Bernstein (United States) Approach to the Evaluation of Patients with Autoinflammatory Disease and Other Forms of Atyp	oical Urticarias				
	14:15 - 14:35		Menachem Rottem (Israel) Patient Specific Characteristics in the Treatment of Chronic Urticaria: Does It	N ILL				
			Matter? David Lang (United States)					
	14:35 - 15:00	Discussion		ALLEGESTS FOR THATE				
15:30 – 17:00	NEW HORIZON	SESSIONS	FOOD ALLERGY & ANAPHYLAXIS TRACK					
	NH 14: Prevention	of Food Alleray	FOOD ALLEROT & ANAPHILAXIS TRACK	Grand Ballroom 103				
			States), Alberto Alvarez-Perea (Spain)	Orana Danioonii 103				
	15:30 - 15:35	Welcoming F	· · · · · · · · · · · · · · · · · · ·					
	15:35 - 16:00	_	Food Allergy Is Increasing and Is It a Global Issue? Mimi Tang (Australia)					
	16:00 - 16:25		Does Early Introduction of Food Allergens Prevent Food Allergy? Gideon Lack (United Kingdor	n)				
	10.00 10 / 1	[4-/IVII	DOGS EATIN HITTOUCHOLL OF LOOR WIGHTEN LIEAGHT LOOR WIGHTALL FULLERY CHIMEN VIRGINIA					
	16:25 - 16:50		Environmental Influence in Food Allergy Sooyoung Lee (Korea)	11)				

16:50 - 17:00

15:30 - 17:00

			and Ballroom 104 & 105
•		Canada), Hae-Sim Park (Korea)	
15:30 - 15:35	Welcoming		
15:35 - 15:55	21-1SY	Biomarkers and the Role of the Contact System in Human Anaphylaxis Victória Cardona (Spa	in)
15:55 - 16:15	21-2SY	How Can Drugs as Co-Factors Alter Anaphylaxis? Margitta Worm (Germany)	
16:15 - 16:35	21-3SY	Is Anaphylaxis in Humans Exclusively IgE-Dependent? Fred Finkelman (United States)	
16:35 - 17:00	Discussion		
•		of Asthma and Airway Inflammation	Grand Ballroom 102
		zerland), Mariana Couto (Portugal)	
15:30 - 15:35	Welcoming		
15:35 - 15:55	22-1SY	IL-17 and Th17 Cells in Asthma and Inflammation Peter Howarth (United Kingdom)	
15:55 - 16:15	22-2SY	Basophil: A Key Player in Immunity and Inflammation Hajime Karasuyama (Japan)	
16:15 - 16:35	22-3SY	Novel Targets for Airway Inflammation: Lessons from Distinct Functions of Subcellular Organell	es Yong Chul Lee (Korea)
16:35 - 17:00	Discussion		
WORKSHOP			
		king Group - Asthma Treatment Issues	Room 208 A&B
Chairperson: <i>Akio Ni</i>	•	n I	
15:30 - 15:35	Welcoming		// · · · · · · · · · · · · · · · · · ·
15:35 - 15:55	17-1WS	Can We Improve Small Airway Dysfunction with Inhaled Corticosteroid (ICS)? Omar Usmani	(United Kingdom)
15:55 - 16:15	17-2WS	New Bronchodilator for Asthma: LAMA and Ultra LABA Stephen Peters (United States)	
16:15 - 16:35	17-3WS	Biological Agents in Asthma: Present and Future Dilsad Mungan (Turkey)	
16:35 - 17:00	Discussion		
NATIONAL SOCI	ETY SYMPO	SIUM	
		um - Asthma and Allergic Disease: From Environmental Trigger to Pharmacologic Treatmen	t Grand Ballroom 101
	-	orea), Ji Tae Choung (Korea)	
15:30 - 15:35	Welcoming		
15:35 - 15:55	2-1 NAT	Impact of Particulate Matter on Allergic Diseases in Seoul Young Yoo (Korea)	
15:55 - 16:15	2-2NAT	The Impact of Inhaled Pollutants on Airway Inflammation An-Soo Jang (Korea)	
16:15 - 16:35	2-3NAT	How to Manage Uncontrolled Asthma? Byung-Jae Lee (Korea)	
16:35 - 17:00	Discussion		
APAPARI POSTO	RADUATE C	OURSE	
PG 3: Managemen	and Prevention	on of Allergic Diseases in Asia	Room R2 ABC
Chairpersons: <i>Hugo</i>	P. S. Van Bever	(Singapore), Joon-Sung Lee (Korea)	
15:30 - 15:35	Welcoming	g Remarks	
15:35 - 15:55	3-1PG	Diagnostic and Treatment Approach to Viral Wheeze Hugo P. S. Van Bever (Singapore)	
15:55 - 16:15	3-2PG	What Is New in Eczema Bok-Yang Pyun (Korea)	
16:15 - 16:35	3-3PG	Challenges in the Management of Early Childhood Rhinitis Bee Wah Lee (Singapore)	
16:35 - 17:00	Discussion		
SISTER SOCIETY	SYMPOSIU	М	
SSS 10: InterAsma	Symposium - 1	The Importance of Immunotherapy in Asthma Treatment	Room 203 A&B
•		taly), Lanny J. Rosenwasser (United States)	INTERASMA
15:30 - 15:35	Welcoming		
15:35 - 15:55	10-1SSS	Advances in Immunoadjuvants in Allergen Immunotherapy Lawrence Dubuske (United States)	
15:55 - 16:15	10 - 2SSS	Use of Alleroids in Immunotherapy Ralph Mösges (Germany)	
15:30 - 15:35	Welcoming	Remarks	1

WAO Sublingual Immunotherapy (SLIT) Position Paper | Ruby Pawankar (Japan)

16:15 - 16:35

16:35 - 17:00

10-3SSS

Discussion

World Allergy Training School – Wednesday, 14 October 2015



The main objective of the World Allergy Training School (WATS) is to develop learning communities, appropriate to a specific regional context, which will help build sustainable capacity in the field of allergy by strengthening already existing knowledge and skills and encouraging local experts to apply this knowledge to further develop the specialty of allergy and to widen the provision of patient care.

Attendance at WATS is by invitation only

WORLD ALLERGY TRAINING SCHOOL

ROOM R2 ABC

08:30 - 08:50	Welcome and Objectives of the WATS Dana Wallace (United States), Ruby Pawankar (Japan),
	Stanley Fineman (United States)

LECTURES AND PRACTICAL

08:55 - 09:30	Asthma: Diagnosis and Treatment Pakit Vichyanond (Thailand)
09:30 - 10:05	Differentiating Asthma from COPD Jeong-Hee Choi (Korea)
10:05 - 10:30	Coffee Break
10:30 - 11:30 11:30 - 12:05 12:05 - 12:40	Spirometry Workshop: Interpreting Pulmonary Function Tests Sang Ha Kim (Korea) Chronic Urticaria Mario Sánchez Borges (Venezuela) Drug Allergy Hiok Hee Chng (Singapore)
12:40 - 13:30	Lunch

CASE STUDIES AND INTERACTIVE SESSIONS

13:30 - 14:15	Food Allergy and Anaphylaxis Stanley Fineman (United States), Bee Wah Lee (Singapore)
14:15 - 15:00	Comorbid Asthma and Rhinitis in Children Hugo P.S. Van Bever (Singapore), Jiu-Yao Wang (Taiwan)
15:00 - 15:30	Coffee Break
15:30 - 16:15	Drug Allergy Dana Wallace (United States), Hiok Hee Chng (Singapore)
16:15 - 17:00	Chronic Urticaria Stephen Tilles (United States), Elham Hossny (Egypt)
17:00 - 17:45	Questions and Answers followed by Discussion
17:45 - 18:00	Conclusion

WORLD ALLERGY ORGANIZATION
A World Federation of Allergy, Asthma
& Clinical Immunology Societies

The Emerging Societies Program is co-hosted by the World Allergy Organization and the American College of Allergy, Asthma and Immunology:



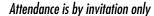
The Emerging Societies Program (ESP) is an outreach initiative to WAO's Member Societies and to emerging societies in various regions to promote education in allergy and to assist societies in the promotion and development of the specialty of allergy and asthma. The initiative enables the ESP's leadership to learn more about the challenges faced in countries where the specialty of allergy and asthma is either non-existent, or is developing, and how best to assist these efforts.

The main objective of the World Allergy Training School (WATS) is to develop learning communities, which will help build a sustainable capacity in the field of allergy by strengthening already existing knowledge and skills. WATS also strives to encourage local experts to apply this knowledge to further develop the specialty of allergy and to widen the provision of patient care. The World Allergy Training School is for physicians /general practitioner /researchers with a general background in allergy and immunology.

KAAACI-KAPARD Allied Health Professional – Saturday, 17 October 2015



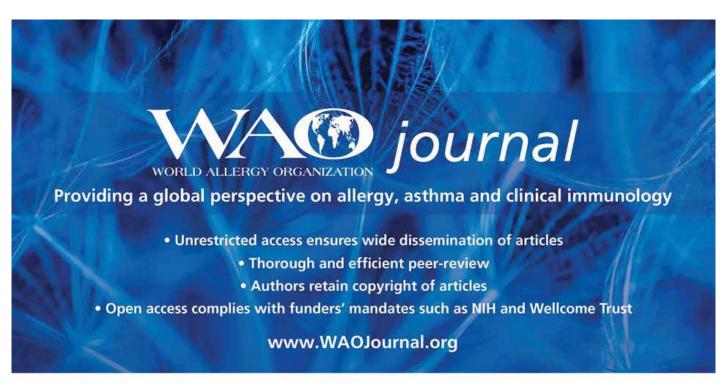
The Allied Health Professional Session provided by KAAACI-KAPARD is designed for health care professionals who provide care to people with allergy, asthma and immunologic diseases. It is aimed towards nurses, nurse practitioners, physician assistants, respiratory therapists, medical technologists and medical assistants.





All sessions conducted in Korean

SESSION ONE		Room 201
13:30 - 13:55	Practical Issues in Skin Test Speaker: Sujeong Kim MD, Department of Internal Medicine, Kyungpook National University School of Medicine	
13:55 - 14:20	Recent Advances in Bronchial Provocation Test Speaker: Sang Min Lee MD, Department of Internal Medicine, Gachon University Gil Medical Center	
14:20 - 14:45	How to Instruct and Assess Inhaler Techniques and Adherence Speaker: Hun Sil Kim RN, Departments of Internal Medicine, Asan Medical Center	
14:45 - 15:00	Questions and Answers	
15:00 - 15:20	Break	
SESSION TWO		Room 201
15:20 - 15:45	Skin Care for Atopic Dermatitis and Sensitive Skin Speaker: Taek Ki Min MD, Department of Pediatrics, Soonchunhyang University Seoul Hospital	
15:45 - 16:10	Anaphylaxis: Recognition, Treatment and Prevention Speaker: Jae-Woo Kwon MD, Department of Internal Medicine, Kangwon National University Hospital	
16:10 - 16:35	What You Need to Know about Adverse Drug Reactions Speaker: Young-Hee Nam MD, Department of Internal Medicine, Dong-A University College of Medicine	
16:35 - 16:50	Questions and Answers	









Company Sponsored Symposia

No CME Credits are earned during Company Sponsored Symposia

Thursday, 15 October 2015

11:00 - 12:30	COMPANY SPONSORED SYMPOSIUM
11.00 12.30	COMI ANTI DI ONDONED DI MI ODIOM

CSS 1: Cow's Milk Protein Allergy: Improving Standards of Care in Pediatric Practice

Grand Ballroom 102

Organized by: Nestlé Nutrition Institute

Chairperson: Yvan Vandenplas (Belgium)

13:35 - 14:00 1-1CSS Non-IqE Mediated Cow's Milk Allergy — Is It Really That Rare? | Ralf Heine (Australia)

14:00 - 14:25 1-2CSS Cow's Milk-related Symptom Score (CoMiSS) for Evaluation of Milk-related Symptoms in Young Children

Yvan Vandenplas (Belgium)

14:25 - 14:50 1-3CSS Food Allergy Prevention through Introduction of Modified Food Proteins | Andrea von Berg (Germany)

14:50 - 15:00 Discussion

13:30 – 15:00 COMPANY SPONSORED SYMPOSIUM 2

CSS 2: What We Know about Asthma Treatment

Grand Ballroom 102

Organized by: Boehringer-Ingleheim

Chairperson: Ki-Suck Jung (Korea)

13:30 - 13:35 Welcoming Remarks

13:35 - 14:00
2-1CSS Unmet Needs in Asthma: Present and Future Risk | Christopher Kei Wai Lai (Hong Kong)
14:00 - 14:25
2-2CSS Latest Insights of Asthma Treatment: GINA 2015 Update | Gyu Young Hur (Korea)
14:25 - 14:50
2-3CSS Who Can Get the Most Benefit from Tiotropium in Asthma? | Yeonmok Oh (Korea)

14:50 - 15:00 Discussion

15:30 – 15:00 COMPANY SPONSORED SYMPOSIUM 3

CSS 3: Molecular Allergy Diagnostics: Moving Towards Personalized Medicine in Allergy

Grand Ballroom 102

Organized by: Thermo Fisher Scientific

Chairperson: Jung-Won Park (Korea)

15:30 - 15:40 Welcoming Remarks

15:40 - 15:55 3-1CSS Clinical Utility of Allergen Components: WAO Consensus Document | G. Walter Canonica (Italy)

15:55 - 16:10 3-2CSS Respiratory Allergens for Improved Diagnosis and Specific Immunotherapy | Paolo Matricardi (Germany)

16:10 - 16:25 3-3CSS Clinical Reactivity vs. Tolerance: Examples from Egg and Milk Allergy | Katrina Allen (Australia)

16:25 - 16:40 3-4CSS Food Allergy in Daily Practice: The Emerging Role of MA Diagnostics | Motohiro Ebisawa (Japan)

Company Sponsored Symposia

No CME Credits are earned during Company Sponsored Symposia

Friday, 16 October 2015

11:00 - 12:30 COMPANY SPONSORED SYMPOSIUM 4

CSS 4: Understanding the Matters of Asthma Control in the Real World

Grand Ballroom 102

Organized by: Merck

Chairperson: Hae-Ran Lee (Korea)

11:00 - 11:05 Welcoming Remarks

11:05 - 11:45 4-1CSS Bridging the Gap between Guidelines and Real-World Asthma Control | Hae-Sim Park (Korea)

11:45 - 12:25 4-2CSS Management of Asthma (Adult & Pediatric): Considerations of Western and Eastern Approaches | Stuart Stoloff

'United States)

12:25 - 12:30 Discussion

13:30 – 15:00 COMPANY SPONSORED SYMPOSIUM 5

CSS 5: New Insights of Asthma Management with Inhaled Corticosteroid/Long-Acting Beta-Agonist ICS/LABA Organized by: AstraZeneca

Grand Ballroom 102

Chairman Chara Cil. David (Va.

Chairperson: Choon-Sik Park (Korea)

13:30 - 13:35 Welcoming Remarks

13:35 - 14:00 5-1CSS What is the Ideal Inhaled Corticosteroids (ICS)? | Hyouk-Soo Kwon (Korea)

14:00 - 14:25 5-2CSS New Treatment Opportunities in Managing Airway Disease with Rapihaler | Joo-Hee Kim (Korea)

14:25 - 14:50 5-3CSS Evolution of Asthma Treatment with Targeted Therapies | Sam Lim (China)

14:50 - 15:00 Discussion

Saturday, 17 October 2015

11:00 - 12:30 COMPANY SPONSORED SYMPOSIUM 6

CSS 6: Asthma: New Insights, New Treatments, New Methodologies

Grand Ballroom 102

Organized by: GSK

Chairperson: Choon-Sik Park (Korea)

11:00 - 11:05 Welcoming Remarks

11:05 - 11:35 6-1CSS Asthma: Where Have We Come from and Where Are We Heading? | Sang-Heon Cho (Korea)

11:35 - 12:05 6-2CSS New Inhaled Corticosteroid/Long-Acting Beta-Agonist (ICS/LABA) Inhalers with 24 Hours Efficacy in Relvar ElliptaTM to

Address Patients Needs | Jo Douglass (Australia)

12:05 - 12:30 Discussion

Oral Abstract Sessions – Wednesday, 14 October 2015

11:00 – 12:30 ORAL ABSTRACTS SESSION 1

OAS 1: Asthma Room R1 ABC

Chairpersons: James Sublett (United States) Dong-Chull Choi (South Korea)

- 1-10AS Neutrophil Autophagy and Extracellular Trap Could Contribute to Asthma Severity | <u>Duy Le Pham, MD (Korea)</u>, Ga Young Ban, MD (Korea), Seung-Hyun Kim, PhD (Korea), Eun-Mi Yang, MS (Korea), Yong-Joon Chwae, PhD (Korea), Ji-Ho Lee, MD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- 1-20AS Childhood Lung Function Is Associated with Polymorphic Markers of Two Vitamin D 25-Hydroxylase Genes | <u>Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)</u>, Susan Shuxin Wang, PhD (Hong Kong), Man Fung Tang, BSc (Hong Kong), Alice Pik-Shan Kong, MD (Hong Kong), Hing Yee Sy, PhD (Hong Kong), Kam Lun Ellis Hon, MD, FAAP (Hong Kong), Juliana Chung-Ngor Chan, MD, FRCP (Hong Kong) and Gary WK Wong, MD (Hong Kong)
- 1-30AS Genetic Association and eQTL Analyses of Genes Associated with Allergy in Atopic/Non-Atopic Asthma | Xingnan Li, PhD (United States), Naftali Kaminski, MD (United States), Sally Wenzel, MD (United States), Eugene Bleecker, MD (United States) and Deborah Meyers, MD (United States)

 States)
 - 1-40AS Identification of Aspirin Exacerbated Respiratory Disease (AERD) Phenotypes Using Two Step Cluster Analysis | <u>Hyun Young Lee (Korea)</u>, Young Min Ye, MD, PhD (Korea), Su Chin Kim (Korea) and Hae-Sim Park, MD, PhD (Korea)
 - 1-50AS Significant Reduction in Allergic Features in the Offspring of Mice Supplemented with Specific Non-Digestible Oligosaccharides during Lactation |

 <u>Astrid Hogenkamp, Ph (Netherlands)</u>, Suzan Thijssen (Netherlands), Saskia Braber (Netherlands), Leon Knippels, PhD (Netherlands) and Johan Garssen (Netherlands)

13:30 – 15:00 ORAL ABSTRACTS SESSION 2

OAS 2: Skin Allergy Room R1 ABC

Chairpersons: Eung Ho Choi (Korea), Razvigor Darlenski (Bulgaria)

2-10AS TSLP Down Regulates Human a-Defensin 2 through STAT3-Dependent Pathway in Keratinocytes | Sang Wook Son, MD (Korea)

2-20ASM2 Monocyte/Macrophage-Derived MMP12 Plays a Pivotal Role in Contact Hypersensitivity | <u>Daiki Nakagomi, MD, PhD (Japan)</u>, Kotaro
Suzuki, MD, PhD (Japan), Kazuyuki Meguro, MD, PhD (Japan), Junichi Hosokawa, MD, PhD (Japan) and Hiroshi Nakajima, MD, PhD (Japan)

- 2-30AS Activation of Endothelial Cells to Release Hsp90, an Activator of the Prekallikrein-High Molecular Weight Kininogen (HK) Complex | <u>Allen Kaplan</u> (<u>United States</u>), Baby G. Tholanikunnel, PhD (United States) and Kusumam Joseph, PhD (United States)
- 2-40AS Dominancy of Staphylcoccus Aureus in the Skin of Atopic Dermatitis Patients Compared to Healthy Subjects through Metagenomic Analysis |

 <u>Min-Hye Kim, MD (Korea)</u>, Mina Rho, PhD (Korea), Jung-Won Kim, MD (Korea), Yeon-Mi Kang, MD (Korea), Kyung-Eun Yum (Korea), Hyeon-Il
 Choi, PhD (Korea), Jun-Pyo Choi, PhD (Korea), Han-Ki Park (Korea), Taek-Ki Min, MD, PhD (Korea), Young Joo Cho, MD, PhD (Korea), Bok-Yang Pyun, MD, PhD (Korea) and Yoon-Keun Kim, MD, PhD (Korea)
- 2-50AS Difference in the Systemic Bacterial Composition of Atopic Dermatitis Patients Compared to Healthy Subjects through Metagenomic Analysis of Urine | <u>Jung-Won Kim, MD (Korea)</u>, Yeon-Mi Kang, MD (Korea), Min-Hye Kim, MD (Korea), Mina Rho, PhD (Korea), Kyung-Eun Yum (Korea), Hyeon-Il Choi, PhD (Korea), Jun-Pyo Choi, PhD (Korea), Han-Ki Park, MD (Korea), Taek-Ki Min, MD, PhD (Korea), Young Joo Cho, MD, PhD (Korea), Bok-Yang Pyun, MD, PhD (Korea) and Yoon-Keun Kim, MD, PhD (Korea)
- 2-60AS CD8+ T Cell-Intrinsic SMAD4 Suppresses Th2 Responses in the Pathogenesis of Contact Hypersensitivity | <u>Mizuko Mamura (Japan)</u>, Jeong-Hwan Yoon (Japan), Susumu Nakae (Japan), Isao Matsumoto (Japan), Takayuki Sumida (Japan), Inkyu Lee (Korea), Jin Soo Han (Korea), Jin Hyeon Ju (Korea), Katsuko Sudo (Japan), Mitsuyasu Kato (Japan), Masahiko Kuroda (Japan) and Yukari Okubo (Japan)

15:30 – 17:00 ORAL ABSTRACTS SESSION 3

OAS 3: Food Allergy Room R1 ABC

Chairpersons: Sooyoung Lee (Korea), Moo-Young Oh (Korea)

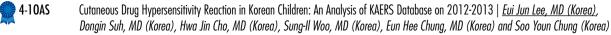
- 3-10AS Aspirin Facilitates the Intestinal Absorption and Oral Sensitization of Food Allergens in Rats | <u>Tomoharu Yokooji, PhD (Japan)</u>, Taiki Hirano (Japan) and Hiroaki Matsuo, PhD (Japan)
- 3-20AS Diagnostic Value of Specific IgE to Peanut and Ara h 2 in Korean Children with Peanut Allergy | <u>Kwanghoon Kim (Korea)</u>, Hye-Young Kim (Korea), Youngshin Han, PhD (Korea), Jihyun Kim, MD (Korea) and Kangmo Ahn, MD, PhD (Korea)
- 3-30AS Mimotopes of the Major Shellfish Allergen Tropomyosin Suppress Splenocyte Proliferation and Local Cytokine Expression in a Mouse Model of Shellfish Allergy | Nicki Y.H. Leung (Hong Kong), Christine Yee Yan Wai, PhD (Hong Kong), Patrick S.C. Leung, PhD (United States) and Ka Hou Chu, PhD (Hong Kong)
- 3-40AS Two Year Follow-up after Rush Oral Immunotherapy for Peanut-Induced Anaphylaxis | <u>Kenichi Nagakura, MD (Japan)</u>, Sakura Sato, MD (Japan), Noriyuki Yanagida, MD (Japan), Makoto Nisihino, MD (Japan), Tomoyuki Asaumi, MD (Japan), Kiyotake Ogura, MD (Japan) and Motohiro Ebisawa, MD, PhD (Japan)
- Assessment of Allergenicity of Novel Proteins (CSR1-2, DMO) in Herbicide-Tolerant Genetically Modified Soybean | <u>Jeongok Lee, PhD (Korea)</u>, Jinyoung Lee, MSc (Korea), Jae-Hwan Kim, PhD (Korea), Hae-Yeong Kim, PhD (Korea), Woo-Jung Song, MD (Korea), Jihyun Kim, MD (Korea), Youngshin Han, PhD (Korea) and Kanamo Ahn, MD, PhD (Korea)
 - 3-60AS The Levels of Thymic Stromal Lymphopoietin and Interleukin-33 are Specifically Elevated in Sera of Infants with Eosinophilic Gastroenteritis | Tetsuo Shoda (Japan), Akio Matsuda (Japan), Katsuhiro Arai (Japan), Hirotaka Shimizu (Japan), Hideaki Morita (Japan), Naoko Okada (Japan), Kanami Orihara (Japan), Masami Narita (Japan), Yukihiro Ohya (Japan), Hirohisa Saito, MD, PhD (Japan), Kenji Matsumoto (Japan) and Ichiro Nomura (Japan)

Oral Abstract Sessions – Thursday, 15 October 2015

11:00 - 12:30 **ORAL ABSTRACTS SESSION 4**

OAS 4: Drug Allergy Room R2 ABC

Chairpersons: Hiok Hee Chng (Singapore), Luciana Kase Tanno (Brazil)



4-20AS Prediction of the Success of Our Desensitization Protocol with Symptoms and Results of a Skin Prick Test in Patients with Hypersensitivity to Platinum-Based Chemotherapy | <u>Hye Jung Park, MD (Korea)</u>, Jae-Hyun Lee, MD, PhD (Korea), Sungryeol Kim, MD (Korea), Kyung Hee Park, MD (Korea), Choong-Kun Lee (Korea), Beodeul Kang (Korea), Seung-Hoon Beom (Korea), Sang Joon Shin (Korea), Minku Jung (Korea), Jung-Won Park, MD, PhD (Korea) and Chein-Soo Hong, MD, PhD (Korea)

4-40AS Serum Periostin Level Is Higher in Respiratory Type of NSAID Hypersensitivity than Cutaneous Type | Mi-Ae Kim, MD (Korea), Moon Gyeong Yoon, MS (Korea), Young-Soo Lee, MD (Korea), Ji Hye Kim, MD (Korea), Ga Young Ban, MD (Korea), Hye-Soo Yoo, MD (Korea), Yoo Seob Shin, MD, PhD (Korea), Young Min Ye, MD, PhD (Korea), Dong-Ho Nahm, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)

4-50AS Clinical Features of Adverse Drug Reactions of Monoclonal Antibodies in Korea | <u>Da Woon Sim, MD (Korea)</u>, Kyung Hee Park, MD (Korea), Hye Jung Park, MD (Korea), Jung-Won Park, MD, PhD (Korea) and Jae-Hyun Lee, MD, PhD (Korea)

Analysis of Clinical Outcomes of 203 Cases of Oxaliplatin Desensitization and Related Breakthrough Reactions | Ju-Young Kim, MD (Korea), 4-60AS Byung-Keun Kim, MD (Korea), Woo-Jung Song, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Kyung-up Min, MD (Korea)

13:30 - 15:00 **ORAL ABSTRACTS SESSION 5**

OAS 5: Rhinitis, Rhinosinusitis, Ocular Allergies and Comorbidities

Room R2 ABC

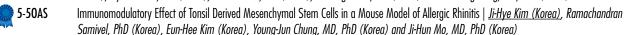
Chairpersons: Hugo P. S. Van Bever (Singapore), Chae-Seo Rhee (Korea)





5-30AS Discrimination between Non-Eosinophilic and Eosinophilic Chronic Rhinosinusitis with Nasal Polyps | Pona Park, MD (Korea), Dong-Kyu Kim, MD (Korea), Hong Ryul Jin, MD, PhD (Korea) and Dae Woo Kim, MD, PhD (Korea)

5-40AS A Phenotype of Rhinitis from School Children Is Associated with the Development of Bronchial Hyperresponsiveness | Eun Lee, MD (Korea), Si Hyeon Lee, BS (Korea), Young-Ho Kim, MD (Korea), Hyun-Ju Cho, MD (Korea), Ho-Sung Yu, MS (Korea), Mi-Jin Kang, MS (Korea), Song-I Yang, MD (Korea), Young-Ho Jung, MD (Korea), Hyung Young Kim, MD (Korea), Ju-Hee Seo, MD (Korea), Byoung-Ju Kim, MD (United States), Hyo-Bin Kim, MD (Korea), So-Yeon Lee, MD (Korea), Ho-Jang Kwon, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)



Inhibitory Effect of Prostaglandin E2 on the Migration of Nasal Fibroblasts | II-Ho Park, MD, PhD (Korea), Jae-Min Shin, MD (Korea) and Heung-5-60AS Man Lee, MD, PhD (Korea)

Oral Abstract Sessions - Thursday, 15 October 2015

15:30 - 17:00

ORAL ABSTRACTS SESSION 6

OAS 6: Immunology Room R2 ABC

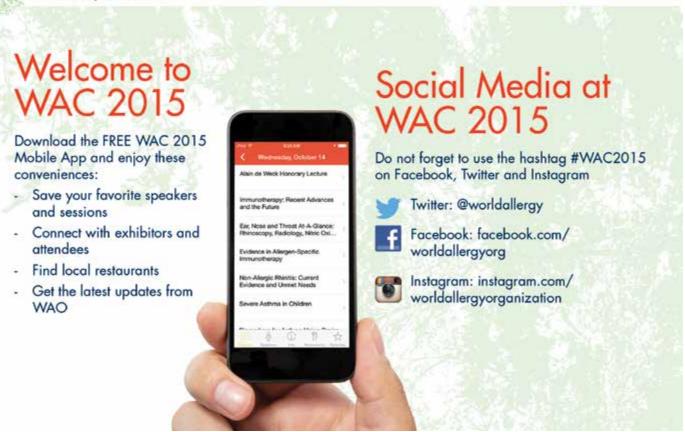
Chairpersons: Mübeccel Akdis (Switzerland), Hiroshi Nakajima (Japan)

- 6-10AS RNA Binding Protein Hur Regulates CD4+ T Cell Differentiation and Is Required for Allergic Airway Inflammation and Normal IL-2 Homeostasis | <u>Ulus Atasoy, MD, MA (United States)</u>, Patsharaporn Techasintana, MD (United States), Matt Gubin, PhD (United States), Jacqueline Glascock, PhD (United States), Suzanne Ridenhour (United States) and Joseph Magee (United States)
- 6-20AS
 PI3K-Delta Signaling Pathway Is Required for the Assembly of NLRP3 Inflammasome in Bronchial Epithelium of HDM-Induced Allergic Asthma
 | So Ri Kim, PhD (Korea), Yong Chul Lee, MD, PhD (Korea), Kyung Bae Lee, MS (Korea), Hee Jung Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea), Seung Yong Park, MD, PhD (Korea) and Dong Im Kim, PhD (Korea)
- 6-30AS
 IL-23 Roles in the Development of House Dust Mite Allergic Sensitization and Asthma | <u>Da-Eun Park (Korea)</u>, Hyun Seung Lee (Korea), Woo-Jung Song, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Kyung-up Min, MD, PhD (Korea)
- 6-40AS Phosphoinositide 3-Kinase Delta Isoform Can Activate NLRP3 Inflammasome through mROS Generation in Fungus-Induced Severe Eosinophlic Asthma | Yong Chul Lee, MD, PhD (Korea), So Ri Kim, MD, PhD (Korea), Kyung Bae Lee, MS (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea), Seung Yong Park, MD, PhD (Korea) and Jae Seok Jeong, MD (Korea)
- 6-50AS

 IL-23 Has a Role to Play in the Development of Asthma in Short-Term Cigarette Smoke Exposure-Induced House-Dust Mite Allergic Model | <u>Hyun Seung Lee (Korea)</u>, Da-Eun Park (Korea), Boram Bae (Korea), Woo-Jung Song, MD (Korea), Mingyu Kang, MD (Korea), Han-Ki Park, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Hye-Young Kim (Korea), Kyung-up Min, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Ji-Won Lee (Korea)
- 6-60AS
 Prostaglandin E2 and Transforming Growth Factor-B Play a Critical Role in Suppression of Allergic Airway Inflammation by Adipose-Derived Stem Cells | Sue Jean Mun (Korea), Hwan-Jung Roh, MD, PhD (Korea), Kyu-Sup Cho (Korea), Hak-Sun Yu, MD, PhD (Korea), Mi-Kyung Park, MD, PhD (Korea) and Sung-Lyong Hong, MD (Korea)



XXIV World Allergy Congress



Oral Abstract Sessions – Friday, 16 October 2015

11:00 - 12:30 **ORAL ABSTRACTS SESSION 7**

OAS 7: Pediatrics Room R2 ABC

Chairpersons: Kyu-Earn Kim (Korea), Allen Liang (New Zealand)

7-10AS Effect of Dietary Methyl Donors on Asthma and Atopy is Modified by MTHFR Polymorphism | Yean Jung Choi, PhD (Korea), Hye Lim Shin, MS (Korea), Yun-Jeong Lee, MD (Korea), Joonil Kim, MD (Korea), Song-I Yang, MD (Korea), So-Yeon Lee, MD (Korea), Young-Ho Jung, MD (Korea), Sung-Ok Kwon, PhD (Korea), Eun Lee, MD (Korea), Mi-Jin Kang, MS (Korea), Ji-Won Kwon, MD (Korea), Hyung Young Kim, MD (Korea), Ju-Hee Seo, MD (Korea), Byoung-Ju Kim, MD (Korea), Hyo-Bin Kim, MD (Korea), Ho-Jang Kwon, PhD (Korea), Se-Young Oh, PhD (Korea), Soo-Jong Hong, MD, PhD (Korea), Soo-Jong Hong, MD, PhD (Korea), Hyun-Ju Cho, MD (Korea) and Young-Ho Kim, MD (Korea)

7-20AS Serum Periostin Levels Was Not Associated with Allergic Rhinitis and Allergic Sensitization in Korean Children | Ju Wan Kang, MD (Korea), Jeong Hong Kim, MD (Korea), Keun-Hwa Lee, PhD (Korea), Hye-Sook Lee, PhD (Korea), Seong-Chul Hong, MD (Korea) and Jaechun Lee, MD,

7-30AS Atopic Dermatitis and Sleep Disorders in Latin American Children | Marilyn Urrutia Pereira, MD, PhD (Brazil), Dirceu Sole, MD, PhD (Brazil), Nelson Rosario Filho, MD PhD (Brazil), Juan C. Sisul, MD (Paraguay), Alfonso Mario Cepeda, MD (Colombia), Marylin Valentin Rostan, MD (Uraguay), Herberto Jose Chong Neto, MD, PhD (Brazil), Raúl Lázaro Castro Almarales, MD, MSc (Cuba), Miguel Alejandro Medina Avalos, MD (Mexico), Hector Badellino, MD, PhD (Argentina), Antonio Castillo, MD (Dominican Republic), Claudia Almendarez, MD (Honduras), Caridad Sanchez Silot, MD, MSc (Cuba), Jennifer Avila (Brazil), Jose Santos Lozano Saenz, MD (Mexico), Veronica Acosta, MD (Argentina), Felicia Berroa Rodriguez, MD (Dominican Republic), Mirta Alvarez Castello, MD (Cuba), Carmen Fernandez, MD (Paraguay), Mayda González León, MD (Cuba), Maria Carolina Manotas, MD (Colombia) and Michel De La Cruz Betances, MD (Dominican Republic)

Usefulness of Exhaled Nitric Oxide for Evaluating Wheeze and Airway Hyperresponsiveness in Preschool Children | Jung-Won Lee, MD (Korea), 7-40AS Ji-Won Kwon, MD (Korea), Woo Kyung Kim (Korea), Hyung Young Kim, MD (Korea), Hyo-Bin Kim, MD (Korea), Ju-Hee Seo, MD (Korea), So-Yeon Lee, MD (Korea), Gwang-Cheon Jang, MD (Korea), Young-Ho Jung, MD (Korea), Soo-Jong Hong, MD, PhD (Korea), Byoung-Ju Kim, MD (United States), Dae-Jin Song, MD (Korea) and Jung Yeon Shim, MD (Korea)

Effect of Prenatal Maternal Distress and GSDMB Polymorphism on the Development of Recurrent Wheezing in Early Childhood: COCOA Study Yean Jung Choi, PhD (Korea), Si Hyeon Lee, BS (Korea), Mi-Jin Kang, MS (Korea), Eun Lee, MD (Korea), Hyun-Ju Cho, MD (Korea), Young-Ho Kim, MD (Korea), Song-I Yang, MD (Korea), Youn Ho Shin, MD (Korea), Kangmo Ahn, MD (Korea), Kyung Won Kim, MD, PhD (Korea), Yoon Hee Kim, MD (Korea), Dongin Suh, MD (Korea), So-Yeon Lee, MD (Korea), Hyoung Yoon Chang, MD (Korea), In Ae Choi, PhD (Korea), Kyung-Sook Lee, PhD (Korea), Yee-Jin Shin, MD (Korea), Eun-Jin Kim, PhD (Korea), Jeom Gyu Lee, PhD (Korea), Min Jee Kim, MD (Korea), Jihye You, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)

7-60A A Novel Biomarker for Wheezing and Atopy in Early Infancy | Eishika Dissanayake (Japan), Yuzaburo Inoue, MD, PhD (Japan), Taiji Nakano, MD, PhD (Japan) and Naoki Shimojo, MD, PhD (Japan)

13:30 - 15:00 **ORAL ABSTRACTS SESSION 8**

8-60AS

7-50AS

OAS 8: Immunotherapy Room R2 ABC

Chairpersons: Ralph Mösges (Germany), Dong-Ho Nahm (South Korea)

8-10AS Hypoallergen-Encoding DNA Plasmids as Immunoprophylactic Vaccines of Shrimp Tropomyosin Hypersensitivity | Christine Yee Yan Wai, PhD (Hong Kong), Nicki Y.H. Leung (Hong Kong), Patrick S.C. Leung, PhD (United States) and Ka Hou Chu, PhD (Hong Kong)

8-20AS Technical and Clinical Validation of a Mobile Chamber for Allergen Exposure Tests | Karl-Christian Bergmann, MD (Germany), Torsten Sehlinger (Germany), Georg Bölke (Germany), Joseph Salame, MD (Germany) and Torsten Zuberbier, MD (Germany)

8-30AS Effects of Interleukin-9 on Allergen-Specific Immunotherapy in a Mouse Model of Allergic Rhinitis | Ji-Hyeon Shin, MD, PhD (Korea), Soo Whan Kim, MD (Korea), Si Won Kim (Korea), Jun Myung Kang (Korea), Boo-Young Kim (Korea) and Byung-Guk Kim (Korea)

8-40AS Novel Anti-IL-4Ra Nanocarrier Approach for the Efficient Control of Lung Tissue Inflammation during Asthma | Rabih Halwani, PhD (Saudi Arabia), Asma Sultana, PhD (Saudi Arabia), Roaa Al Kufaidi (Saudi Arabia), Sibtain Afzal (Saudi Arabia), Rosan Kanana (Saudi Arabia), Achraf Al-Faraj, PhD (Saudi Arabia) and Saleh Al Muhsen, MD (Saudi Arabia)

8-50AS A Randomized DBPC Dose-Finding Multicenter Trial of Sublingual Immunotherapy (SLIT) Allergoid Tablets in House Dust Mites (HDM) Allergic Patients | Ralph Mösges, MD, PhD (Germany), Pauline Dieterich (Germany), Christoph Hüser (Germany), Jaswinder Singh (Germany), Anatoli Astvatsatourov, PhD (Germany), Kija Shah-Hosseini, PhD (Germany), Silke Allekotte, PhD (Germany) and Enrico Compalati, MD (Italy)

Immunomodulatory Effects of Adipose-Derived Stem Cell Secretome in a Mouse Model of Asthma | Kyu-Sup Cho (Korea) and Hwan-Jung Roh, MD, PhD (Korea)

Oral Abstract Sessions - Friday, 16 October 2015

15:30 - 17:00 ORAL

ORAL ABSTRACTS SESSION 9

OAS 9: Allergy Prevention and Risk Factors Chairpersons: Alessandro Fiocchi (Vatican City), Mariana Couto (Portugal) Room R2 ABC

- 9-10AS Transepidermal Water Loss Measurement during Infancy Can Predict the Subsequent Development of Atopic Dermatitis | <u>Kenta Horimukai, MD</u> (<u>Japan</u>), Hideaki Morita (Japan), Masami Narita (Japan), Mai Kondo, MD (Japan), Shigenori Kabashima, MD, PhD (Japan), Eisuke Inoue, PhD (Japan), Hironori Niizeki (Japan), Kenji Matsumoto (Japan), Yukihiro Ohya (Japan) and Hirohisa Saito, MD, PhD (Japan)
- 9-20AS Temporal Trends of the Nationwide Incidence of Anaphylaxis in Korea | <u>Ju-Young Kim, MD (Korea)</u>, Min Suk Yang, MD (Korea), Byung-Keun Kim, MD (Korea), Woo-Jung Song, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Kyung-up Min, MD (Korea)
- 9-30AS Prenatal Exposure to Farm Bacteria Protects Against Offspring Asthma | Melanie Lynn Conrad, PhD (Germany), Gail Deutsch (United States), Harald Renz (Germany), Holger Garn (Germany) and Sandra M. Blois (Germany)
- 9-40AS Perinatal Maternal Distress Is Associated with Development of Offspring's Atopic Dermatitis | <u>Ji-Won Kwon, MD (Korea)</u>, Young-Ho Kim, MD (Korea), Song-I Yang, MD (Korea), Eun Lee, MD (Korea), Hyung Young Kim, MD (Korea), Young-Ho Jung, MD (Korea), Ju-Hee Seo, MD (Korea), Hyo-Bin Kim, MD (Korea), So-Yeon Lee, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- 9-50AS Low Production of IL-10 in Response to Bacterial Stimuli, but Not Colonization of Bifidobacterium, Is Associated with Infantile Eczema | <u>Shuichi Suzuki, MD, PhD (Japan)</u>, Eduardo Campos—Alberto, MD, PhD (Japan), Shuji Ikegami, PhD (Japan), Yoichi Kohno, MD, PhD (Japan) and Naoki Shimojo, MD, PhD (Japan)



Fructooligosaccharides Intake during Pregnancy and Lactation Increases Gut Bifidobacterium and IL-27 in Breast Milk | <u>Yuji Fujita, MD (Japan)</u>, Yoshitaka Nakamura, PhD (Japan), Yuzaburo Inoue, MD, PhD (Japan), Naoki Shimojo, MD, PhD (Japan), Yoichi Kohno, MD, PhD (Japan), Shuichi Suzuki, MD, PhD (Japan), Naoko Ozawa, PhD (Japan), Takayuki Kubota (Japan), Shuji Ikegami, PhD (Japan), Ken Nonaka, PhD (Japan), Osamu Ohara, PhD (Japan) and Kentaro Masuda, MD (Japan)

WAO Awards

The World Allergy Organization is pleased to announce the WAO 2015 Award Recipients:

Scientific Achievement Award

G. Walter Canonica, Italy Ethan Shevach, United States Gurjit Khurana Hershey, United States

Outstanding Clinician Award

Dennis Ledford, United States Hae-Ran Lee, Korea Eli Meltzer, United States Myron Zitt, United States

Special Recognition Award

Juan Carlos Ivancevich, Argentina Tatiana Slavyanskaya, Russia

Distinguished Service Award

Sandra González Diaz, Mexico Noel Rodríguez Perez, Mexico

Gold Medal Award

Richard F. Lockey, United States

Lifetime Achievement Award

Carlos E. Baena-Cagnani, Argentina (Awarded posthumously)

Awards will be presented at the Opening Ceremony on 14 October at 18:00 in Hall D2 of the Coex Convention Center.

12:30 - 13:30 POSTER SESSIONS 1

POS 1-1: Asthma Hall D Pre-Function

Chairpersons: Sang-Heon Cho (Korea), Pakit Vichyanond (Thailand), Eugene Bleecker (United States), Chang-Keun Kim (Korea), Jae Ho Lee (Korea), Deborah Meyers (United States)

- Anxiety and Depression Levels in Severe Asthma Patients Treated with Omalizumab | <u>Ömer Özbudak, MD (Turkey)</u> and Fatih Üzer, MD (Turkey)
- Effect of Fungal Sensitization in Patients with Severe Asthma | <u>Katsunori Masaki (Japan)</u>, Koichi Fukunaga (Japan), Takashi Kamatani (Japan), Kengo Ohtsuka (Japan), Takae Tanosaki (Japan), Masako Matsusaka (Japan), Takao Mochimaru (Japan), Hiroki Kabata (Japan), Soichiro Ueda (Japan), Yusuke Suzuki (Japan), Katsuhiko Kamei (Japan), Koichiro Asano, MD (Japan) and Tomoko Betsuyaku (Japan)
- Mesenchymal Stem Cells Suppress Lung Inflammation and Airway Remodeling in Chronic Asthma Rat Model Via PI3K/Akt Signaling Pathway | Haiyan Lin, MD (China), Xiaolian Song, PhD (China) and Haiyan Lin, MD (China)
- Grass Is Guilty: A Case of Anaphylactic Shock and Asthmatic Status in the Same Time in an Individual | <u>Jasmina Golez, MD (Slovenia)</u> and <u>Jaechun Lee (Korea)</u>
- Prevalence and Risk Factors of Asthma among Korean Farmers | <u>Ji-Hoon Lee, MD (Korea)</u>, Kyeong Joon Lee (Korea), Hogil Kim, MD (Korea), Soo Yong Roh (Korea), Soon-Chan Kwon, MD (Korea) and Soo-Jin Lee, MD, PhD (Korea)
- Airways Assessment of Aged Nursing Homes Residents | <u>Pedro Martins, MD, PhD (Portugal)</u>, João Marques, MD (Portugal), Joana Gomes-Belo, MD, MSc (Portugal), Teresa Palmeiro, MSc (Portugal), Iolanda Caires, MSc (Portugal), Joana Belo, MSc (Portugal), Maria Amália Botelho, MD, PhD (Portugal), Paula Leiria-Pinto, MD, MSc (Portugal) and Nuno Neuparth, MD, PhD (Portugal)
- 1006 S100 Calcium Binding Protein A9 in Sputum of Patients with Steroid Naive Asthma: Relation with Airway Obstruction and Neutrophilic Inflammation | Myung Shin Kim, MD (Korea), Jong-Sook Park (Korea), An-Soo Jang (Korea) and Choon-Sik Park, MD, PhD (Korea)
- Role of Nrf2 in the Allergic Airway Inflammation Differ between BALB/c and C57BL/6 Mice | <u>Ying-Ji Li, MD, PhD (Japan)</u>, Takako Shimizu (Japan), Yukiyo Hirata, PhD (Japan), Hirofumi Inagaki, PhD (Japan), Hajime Takizawa, MD, PhD (Japan), Arata Azuma, MD, PhD (Japan), Masayuki Yamamoto, MD, PhD (Japan) and Tomoyuki Kawada, MD, PhD (Japan)
- Sputum Microbiota in Chinese Adults with Eosinophilic versus Non-Eosinophilic Asthma | <u>Qingling Zhang, PhD (China)</u>, Rihuang Qiu (China), Naijian Li, MD (China), Zhaowei Yang, PhD (China), Jing Li, MD (China), Kian Fan Chung, MD DSc FRCP (United Kingdom) and Nanshan Zhona (China)
- Perceptions and Practices of Severe Asthma and Asthma-COPD Overlap Syndrome among Specialists: A Questionnaire Survey | Sang-Heon Kim, MD (Korea), Ji-Yong Moon, MD (Korea), Jae-Hyun Lee, MD, PhD (Korea), Ga Young Ban, MD (Korea), Sujeong Kim, MD (Korea), Mi-Ae Kim, MD (Korea), Joo-Hee Kim, MD (Korea), Min-Hye Kim, MD (Korea), Chan-Sun Park, MD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Jae-Woo Kwon, MD (Korea), Jae Woo Jung (Korea), Hye-Ryun Kang, MD, PhD (Korea), Jong-Sook Park, MD (Korea), Tae-Bum Kim, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Kwang-Ha Yoo, MD (Korea), Yeon-Mok Oh, MD (Korea), An-Soo Jang (Korea), Byung-Jae Lee, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea), Hae-Sim Park, MD, PhD (Korea), Choon-Sik Park, MD, PhD (Korea) and Ho Joo Yoon, MD (Korea)
- Effect of Human Mesenchymal Stem Cell on Neutrophilic Asthma Model | Min-Gu Kim, MD (Korea), Gyong Hwa Hong, BS (Korea), Kyoung Young Lee, BS (Korea), Eun Hee Ha, BS (Korea), Keun Ai Moon, MS (Korea), Sunjoo Park, PhD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Tae-Bum Kim, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Jung-Hyun Kim, MD (Korea), Hyo-Jung Kim, MD (Korea), So-Young Park, MD (Korea) and Bomi Seo, MD (Korea)
- Crosstalk between IL-17A and Endoplasmic Reticulum Stress in Bronchial Epitheliem of LPS-Induced Lung Inflammation | <u>So Ri Kim, MD, PhD</u> (<u>Korea</u>), Yong Chul Lee, MD, PhD (Korea), Hee Jung Kim, PhD (Korea), Dong Im Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- Discordance between Sputum Eosinophilia and Exhaled Nitric Oxide | <u>Sehyo Yune, MD (Korea)</u>, Jin-Young Lee, MD, PhD (Korea), Young Nam Kim, MD (Korea), Jihye Kim, MD (Korea), Jae-Won Paeng (Korea), Mi-Jin Jang (Korea), Dong-Chull Choi, MD, PhD (Korea) and Byung-Jae Lee, MD, PhD (Korea)
- Relationship between serum 25-Hydroxyvitamin D and Asthma Exacerbation Severity in Children | <u>Yong Feng, MD (China)</u>, Li Zhang, MD (China) and Xuxu Cai, PhD (China)
- Dietary Galacto-Oligosaccharides Reduce Airway Eosinophilia and Enhance the Th2 Suppressive Effect of Budesonide in House Dust Mite-Induced Asthma in Mice | Kim Verheijden, PhD Student (Netherlands), Saskia Braber (Netherlands), Aletta Kraneveld, Dr (Netherlands), Johan Garssen (Netherlands), Gert Folkerts, Prof (Netherlands) and Linette Willemsen, Dr (Netherlands)
- Relationship between Th17 Cells and Neutrophilic Airway Inflammation in Childhood Neutrophilic Asthma | <u>Jing Liao, MD, PhD (China)</u> and Nong Guang-Min, MD, PhD (China)
- 1016 The Role of Vasoactive Intestinal Peptide in the Pathophysiology of Acute Asthma | Olga Semernik, PhD (Russia)
- Asko Study: Comparison of Behavior and Habits in Diagnosis and Treatment of Adult Asthma and COPD Patients | Zeynep Misirligil, MD (Turkey), Arif Hikmet Cimrin, MD (Turkey), Hakan Gunen, MD (Turkey), Tevfik Ozlu, MD (Turkey), Aykut Cilli, MD (Turkey), Levent Akyildiz, MD (Turkey), Hasan Bayram, MD (Turkey), Bilun Gemicioglu, MD (Turkey), Esra Uzaslan, MD (Turkey), Oznur Abadoglu, MD (Turkey) and Mecit Suerdem, MD (Turkey)
- 1018 Silver Nanoparticles Augment Airway Inflammation as an Adjuvant. | <u>Yoon Hee Park (Korea)</u>, Jung-Ho Sohn, BS (Korea), Hye Jung Park, MD (Korea), Heejae Han (Korea), Kyung Hee Park, MD (Korea), Jae-Hyun Lee, MD, PhD (Korea) and Jung-Won Park, MD, PhD (Korea)

Abstracts receiving awards will be identified with 🎥 next to the Abstract Number.

- Urinary Leukotriene E4 Levels in Wheezing Infants | <u>Takumi Takizawa, MD, PhD (Japan)</u>, Masahiko Tabata, MD, PhD (Japan), Solongo Orosoo, MD (Japan), Akira Aizawa, PhD (Japan), Hisako Yagi, MD (Japan), Yutaka Nishida, MD (Japan), Akihiro Morikawa, MD, PhD (Japan) and Hirokazu Arakawa, MD, PhD (Japan)
- 1020 Rotanebuliser | Prabhakarrao Pv, MD (India) and Ranjitha Nadendla, MBBS (India)
- The Role of Claudin 5 in a Murine Model of Asthma | <u>Pureun-Haneul Lee (Korea)</u>, Byeong-Gon Kim (Korea), Choon-Sik Park, MD, PhD (Korea), George D Leikauf (United States) and An-Soo Jang (Korea)
- Biomarker-Based Treatment Option for Preschool Children with Recurrent Wheeze | <u>Mizuho Nagao, MD, PhD (Japan)</u>, Hisashi Nishimori (Japan) and Takao Fujisawa, MD, PhD (Japan)
- 1023 Claudin-4 in a Murine Model of Asthma: Modulation by Acrolein, a Highly Reactive Unsaturated Aldehyde | <u>Byeong-Gon Kim (Korea)</u>, Pureun-Haneul Lee (Korea), Choon-Sik Park, MD, PhD (Korea) and An-Soo Jang (Korea)
- 1024 Peak Expiratory Flow Rate Reference Values for Children Aged 5-14 Years Old in Beijing Urban Area | Shuo Ll, MD (China)
- Fractional Exhaled Nitric Oxide in Elderly Asthmatics | Francis FS Wu (Taiwan), Robert Siebers (New Zealand), Ming-Hui Ting (Taiwan), Hung-En Laio (Taiwan), Tsung-Huai Kuo (Taiwan) and Pei-Yuan Lee (Taiwan)
- Experimental Mouse Model of Asthma Induced by Dust Mite Dermatophagoides Pteronyssinus Allergenic Extract | Anton Laskin (Russia), Alexander Babakhin, MD, PhD (Russia), Oleg Kamyshnikov (Russia), Valentina Berzhets, PhD (Russia) and Musa Khaitov, MD, PhD (Russia)
- Comparative Efficacy of Combination Nebulized Salbutamol and Fluticasone Propionate and Nebulized Salbutamol in Children with Mild Moderate Asthma Attack | Retno Asih Setyoningrum, MD (Indonesia), Sri Sumei, MD (Indonesia), Deddy Iskandar, MD (Indonesia) and Landia Setiawati, MD (Indonesia)
- Serum Surfactant Protein (SP)-D Level: A Potential Biomarker for Aspirin-Exacerbated Respiratory Disease | <u>Hyun Jung Jin, MD (Korea)</u>, Moon Gyeong Yoon, MS (Korea), Young Min Ye, MD, PhD (Korea), Yoo-Seob Shin, MD, PhD (Korea), Seung-Hyun Kim, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- The Effect of Climatic Treatment in 51 Asthmatic Children from Areas Severely Polluted Environment of Northern Moravia, Czech Republic | Radim Dudek, MD (Czech Republic) and Frantisek Kopriva (Czech Republic)
- 1030 The Effects of Probiotics and PPARy on the Murine Model of Allergic Asthma | <u>Miao-Hsi Hsieh (Taiwan)</u> and Jiu-Yao Wang, MD, PhD (Taiwan)
- Urinary Excretion of 9d, 11B-Prostaglandin F₂ and Leukotriene E₄ in Patients with Exercise-Induced Bronchoconstriction | <u>Youhoon Jeon (Korea)</u>, Tae-Rim Shin, MD, PhD (Korea), Joo-Hee Kim, MD (Korea), Cheol-Hong Kim, MD, PhD (Korea), In-Gyu Hyun, MD, PhD (Korea) and Jeong-Hee Choi, MD, PhD (Korea)
- 1032 15 May 2015 (Midnight, US Central Time) | Won Suck Yoon, PhD (Korea) and Young Yoo, MD, PhD (Korea)
- Comparison of Methacholine and Mannitol to Predict Exercise-Induced Bronchoconstriction in Children with Asthma / Woo-Hyeok Choi, MD (Korea) and Heysung Baek (Korea)
- Evaluation of Inflammatory Mediator Profiles in Sputum of Asthmatics as an Endotype for Refractory Asthma | <u>Hun Soo Chang, PhD (Korea)</u>, Jeong-Seok Heo (Korea), Da-Jeong Bae (Korea), Jong-Uk Lee (Korea), Ji-Na Kim (Korea), Chang-Gi Min (Korea), Hyun Ji Song (Korea), Jong-Sook Park (Korea), Soo Hyun Kim (Korea) and Choon-Sik Park, MD., PhD (Korea)
- The Role of Activated Leukocyte Cell Adhesion Molecule (ALCAM/CD166) in the Pathogenesis of Asthma | Mi Na Kim (Korea), Kyung Eun Lee, PhD (Korea), Jung Yeon Hong (Korea), Kyu-Earn Kim, MD, PhD (Korea) and Myung Hyun Sohn, MD, PhD (Korea)
- Adrenal Insufficiency Associated with Long-Term Use of Inhaled Steroid in Asthma | <u>Inseon S Choi, MD, PhD (Korea)</u>, Da-Woon Sim, MD (Korea), Seung-Hoon Kim, MD (Korea) and Jin-Woo Wui, MD (Korea)
- Comparison of Serum Biomarkers between Patients with Asthma and with Chronic Obstructive Pulmonary Disease | <u>Hyun Seok Cho, MD</u> (Korea), Seon-Sook Han, MD (Korea), Ja Kyoung Kim, MD (Korea) and Jae-Woo Kwon, MD (Korea)
- Effect of 1, 25-Dihydroxy Vitamin D3 on the Expression of Interleukin (IL)-17 and IL-21 in Asthma Mice Model | <u>Rong Jun Lin (China)</u> and Ren Zheng Guan (China)
- Evaluation of the Adherence Starts with Knowledge-20 (ASK-20) to Inhaled Drug in Patients with Bronchial Asthma | <u>Naoto Watanabe (Japan)</u> and Sohei Makino (Japan)
- Relationship between Serum IgA Level and Allergy/Asthma | <u>Inseon S Choi, MD, PhD (Korea)</u>, Woo-Jin Kim, MD (Korea), Chang-Seong Kim, MD (Korea), Jeong-Hyeon Lee, MD (Korea) and Hyeon-Wook Kang, MD (Korea)
- Roles of Staphylococcal Enterotoxin B in House Dust Mite-Induced Acute Asthma Models | <u>Ji Won Lee (Korea)</u>, Da-Eun Park (Korea), Heung Woo Park, MD, PhD (Korea), Han-Ki Park, MD (Korea), Boram Bae (Korea), Hyun Seung Lee (Korea), Mingyu Kang, MD (Korea), Soon-Hee Kim (Korea), Woo-Jung Song, MD (Korea), Sujeong Kim, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Chang-Han Park (Korea), Suk-II Chang (Korea), Sook-Hee Song, MD, PhD (Korea), Kyung-up Min, MD, PhD (Korea) and Sang-Heon Cho, MD, PhD (Korea)
- Refraining Aminophylline Use Increases Hospitalization among Children with Acute Asthma: A 10-Years Retrospective Cohort Study | <u>Li-Fan Liu</u>, PhD (Taiwan) and Jiu-Yao Wang, MD, PhD (Taiwan)
- High Matrix (1024x1024) MDCT Scan for the Evaluation of Airways and Lung Parenchyma in the Ovalbumin-Sensitized Murine Asthma Model: Comparison between Methacholine and OVA Challenge | <u>Boram Bae (Korea)</u>, Sujeong Kim, MD (Korea), Han-Ki Park, MD (Korea), Hyun Seung Lee (Korea), Jae Woo Jung (Korea), Chang Hyun Lee (Korea) and Hye-Ryun Kang, MD, PhD (Korea)
- Extracorporeal Membrane Oxygenation as Emergency Treatment for Patients with Near-Fatal Status Asthmaticus | <u>Seung-Eun Lee, MD (Korea)</u>, Yun-Seong Kim, MD (Korea), Doo-Soo Jeon, MD (Korea), Woo-Hyun Cho, MD (Korea), Hye-Ju Yeo, MD (Korea), Seong-Hoon Yoon, MD (Korea) and Seung-Hyun Kim, MD (Korea)



- 1045
- Staphylococcal Enterotoxin IgE Sensitization: A Risk Factor for COPD Overlap in the Elderly Asthma? | Sung Do Moon, MD (Korea), Ha Kyung Won, MD (Korea), Kyonghee Sohn (Korea), Min-Koo Kang, MD (Korea), Byung-Keun Kim, MD (Korea), Ju-Young Kim, MD (Korea), Seoung-Eun Lee, MD (Korea), Woo-Jung Song, MD (Korea), Kyung-Mook Kim, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Kyung-up Min, MD, PhD (Korea), Claus Bachert, MD, PhD (Belgium) and Sang-Heon Cho, MD, PhD (Korea)
- 1046 Effects of Chronic Repeated Exposure of Staphylococcal Enterotoxin B on Allergic Asthma Model in Mice | Ji Won Lee (Korea), Da-Eun Park (Korea), Boram Bae (Korea), Hyun Seuna Lee (Korea), Minayu Kana, MD (Korea), Han-Ki Park, MD (Korea), Soon-Hee Kim (Korea), Woo-Jung Song, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Chang-Han Park (Korea), Suk-Il Chang (Korea), Sook-Hee Song, MD, PhD (Korea), Kyung-up Min, MD, PhD (Korea) and Sang-Heon Cho, MD, PhD (Korea)
- 1047 Clinical Applications of Impulse Oscillometry in Asthma Management after Exacerbation in Preschool Children | Yong Feng, MD (China) and Yunxiao Shana, PhD (China)
- Serum Folliculin as a Novel Biomarker for Asthma | Jung-Hyun Kim, MD (Korea), Sae-Hoon Kim, MD, PhD (United States), Jaemoon Lee, MS 1048 (Korea), Mira Yoo (Korea), Hyo-Jung Kim, MD (Korea), So-Young Park, MD (Korea), Bomi Shin, MD (Korea), So Young Park, MD (Korea), Bomi Seo, MD (Korea), Min-Gu Kim, MD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea), Jin-Ah Park, PhD (United States), Tae-Bum Kim, MD, PhD (Korea) and Tae-Bum Kim, MD, PhD (Korea)
- 1049 Therapeutic Effects of BCG Secretory Protein MPB70 against Established Asthma in Mice | Eui-Ryoung Han, MD (Korea), Inseon S Choi, MD, PhD (Korea) and Hwa-Jung Kim, PhD (Korea)
- 1050 Clinical Significance of Increased VEGF, TGF-B1 and YKL-40, a Chitinase Like Protein, in Serum of the Children with Asthma | Yoon Young Jang (Korea), Hai Lee Chung, MD (Korea), Seung Gook Lee (Korea), Ji Hyun Na (Korea) and Jong Hoon Lee (Korea)
- Effect of Dexamethasone in Th17 Cell Mediating Neutrophilc Asthma | Nong Guang-Min, MD, PhD (China), Jiang Min, MD, PhD (China), Nong 1051 Guang-Min, MD, PhD (China) and Jiang Min, MD, PhD (China)
- 1052 The Relationship between Airway Hyperresponsiveness to Mannitol and Atopy in Asthmatic Children | Woo-Hyeok Choi. MD (Korea) and Heysung Baek (Korea)
- 1053 Role of SLC26a4 in Ozone-Induced Airway Reactivity and Inflammation. | <u>Da-Jeong Bae (Korea)</u>, Chang-Gi Min (Korea), Jong-Uk Lee (Korea), Hun Soo Chang (Korea), Jong-Sook Park, MD (Korea), An-Soo Jang (Korea) and Choon-Sik Park, MD, PhD (Korea)
- 1054 IL-32 in the Induced Sputum of Patients with Asthma | Jae-Woo Kwon, MD (Korea), Jeong-Seok Heo (Korea), Jong-Uk Lee (Korea), Hun Soo Chang (Korea), Jong-Sook Park (Korea), Eusom Kim (Korea), Soo Hyun Kim (Korea) and Choon-Sik Park, MD, PhD (Korea)
- Relationship of \$100calcium Binding Protein A9 with Neutophilic Inflammation in Murine Asthma Model | Taehveona Lee (Korea). Hyun Ji 1055 Song (Korea), Ji Ah Jun (Korea), Jong-Sook Park, MD (Korea) and Choon-Sik Park, MD., PhD (Korea)
- Blood Eosinophils Could Predict Sputum Eosinophilia?: A Comparison between Asthma and Non-Asthmatic Chronic Cough in the Elderly | Ha 1056 Kyeong Won, MD (Korea), Kyoung Hee Sohn, MD (Korea), Byung-Keun Kim, MD (Korea), Ju-Young Kim, MD (Korea), Eun-Jung Jo, MD (Korea), Kyung-Mook Kim, MD (Korea), Heung Woo Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Woo-Jung Song, MD (Korea)
- 1057 Relationship of \$100 Calcium Binding Protein A9 with Inflammasome Activation in Murine Asthma Model | Hyun Ji Song (Korea), Taehyeong Lee (Korea), Ji Ah Jun (Korea), Hun Soo Chang, PhD (Korea), Jong-Sook Park, MD (Korea) and Choon-Sik Park, MD, PhD (Korea)
- 1058 Redox Modulation for the Treatment of Toluene Diisocyanates-Induced Lung Inflammation | Li-Ming Chin (Taiwan) and Chi-Chang Shieh, MD., PhD (Taiwan)
- 1059 Interleukin 1 Beta in Sputum of Patients with Asthma: Relation with Airway Obstruction and Neutrophilc Inflammation | Jae Woo Jung (Korea), Hyun Ji Song (Korea), Taehyeong Lee (Korea), An-Soo Jang (Korea), Jong-Sook Park, MD (Korea), Hun Soo Chang (Korea), Byoung Whui Choi, MD, PhD (Korea) and Choon-Sik Park, MD, PhD (Korea)
- Increased Expression of Purinergic (P2Y12) Receptor and Cysteinyl Leukotriene Receptors in the Lung Tissue of a Mouse Model of Allergic 1060 Asthma | Tu/Hoang Kim Trinh, MD (Korea), Duy Le Pham, MD (Korea), Jing-Nan Liu, MD (Korea), Hae-Sim Park, MD, PhD (Korea) and Yoo Seob Shin, MD, PhD (Korea)
- 1061 Interleukin 8 in Sputum of Patients with Asthma: Relation with Neutrophilic Inflammation and Exacerbation | Min-Hye Kim, MD (Korea), Da-Jeong Bae (Korea), Hyun Ji Song (Korea), Taehyeong Lee (Korea), Ji Ah Jun (Korea), Jong-Sook Park, MD (Korea), An-Soo Jang (Korea), Hun Soo Chang, PhD (Korea), Young Joo Cho, MD, PhD (Korea) and Choon-Sik Park, MD, PhD (Korea)
- 1062 The Effect of TSLP in a Murine Model of Allergic Asthma | Joon Young Choi (Korea), Ji Young Kang (Korea), Seok Chan Kim (Korea), Sei Won Kim (Korea), Seung Joon Kim (Korea), Young Kyoon Kim (Korea), Chin Kook Rhee, MD (Korea), Hea Yon Lee (Korea), Hwa Young Lee (Korea) and Sook Youna Lee (Korea)
- 1063 Expression of Muscarinic Receptors and Effect of Tiotropium Bromide on Chronic Asthma According to Age in a Murine Model | Ji Young Kana (Korea), Hwa Young Lee (Korea), In Kyoung Kim, PhD (Korea), Sei Won Kim (Korea), Chin Kook Rhee, MD (Korea), Seung Joon Kim (Korea), Seok Chan Kim (Korea), Sook Young Lee (Korea), Young Kyoon Kim (Korea), Soon Seog Kwon, MD, PhD (Korea) and Joon Young Choi
- 1064 Role of S-Nitrosoglutathione Reductase (GSNOR) in the Murine Strain Differences of Airway Hyperresponsiveness / Jin-Young Lee, MD, PhD (Korea), Mi-Juna Oh, MD, PhD (Korea), Youna Hee Lim, MD, PhD (Korea), Kvouna Won Ha, MD (Korea), Jae-Won Paena (Korea), Mi-Jin Jana (Korea), Sehyo Yune, MD (Korea), Byung-Jae Lee, MD, PhD (Korea) and Dong-Chull Choi, MD, PhD (Korea)

Abstracts receiving awards will be identified with 🌑 next to the Abstract Number.



- Protection from Airway Bronchoconstriction by GNSO | <u>Jin-Young Lee, MD, PhD (Korea)</u>, Yun-Jin Jeung, MD (Korea), Mi-Jung Oh, MD, PhD (Korea), Young Hee Lim, MD, PhD (Korea), Kyoung Won Ha, MD (Korea), Mi-Jin Jang (Korea), Jae-Won Paeng (Korea), Sehyo Yune, MD (Korea), Byung-Jae Lee, MD, PhD (Korea) and Dong-Chull Choi, MD, PhD (Korea)
- Antagonism of MicroRNA-21 Suppressed the Airway Inflammation in a Mouse Model of Bronchial Asthma | <u>Hwa Young Lee (Korea)</u>, In Kyoung Kim, PhD (Korea), Joon Young Choi (Korea), Hea Yon Lee (Korea), Sei Won Kim (Korea), Chin Kook Rhee, MD (Korea), Young Kyoon Kim (Korea), Soon Seog Kwon, MD, PhD (Korea) and Sook Young Lee (Korea)
- 1067 Effect of Glycosides Based Standardized Fenugreek Seed Extract in Bleomycin-Induced Pulmonary Fibrosis in Rats | Amit Kandhare (India)
- Augmentation of Arginase 1 Expression Exacerbates Airway Inflammation in Murine Asthma Models | <u>Jin-Young Lee, MD, PhD (Korea)</u>, Young Hee Lim, MD, PhD (Korea), Mi-Jung Oh, MD, PhD (Korea), Kyoung Won Ha, MD (Korea), Jae-Won Paeng (Korea), Sehyo Yune, MD (Korea), Byung-Jae Lee, MD, PhD (Korea), Dong-Chull Choi, MD, PhD (Korea) and Jin-Young Lee, MD, PhD (Korea)

12:30 – 13:30 POS 1-2: Skin Allergy Hall D Pre-Function

Chairpersons: Seong Jun Seo (Korea), Michihiro Hide (Japan), Razvigor Darlenski (Bulgaria)

- Food Hypersensitivity in Patients with Atopic Dermatitis in Korea | Jee Hee Son (Korea), Yong Se Cho, MD (Korea), Yun Sun Byun, MD (Korea), Soo Ick Cho, MD (Korea), Yoon Seok Yang, MD (Korea), Bo Young Chung, MD (Korea), Hye One Kim, MD (Korea), Hee Jin Cho, MD (Korea) and Chun Wook Park (Korea)
- Evaluation of Long-Term Prognosis and Topical Corticosteroid Usage after One Year of Proactive Treatment for Children with Moderate-to-Severe Atopic Dermatitis | <u>Mayako Saito, MD (Japan)</u>, Masami Narita (Japan), Akio Yoshida (Japan), Tomohisa Ando (Japan), Miyuki Hashimoto (Japan), Mai Kondo, MD (Japan), Aki Gen (Japan), Yumiko Miyaji (Japan), Shinichiro Inagaki (Japan), Osamu Natsume (Japan), Tetsuo Shoda (Japan), Kiwako Yamamoto-Hanada, MD (Japan), Tomoko Suda (Japan), Ichiro Nomura (Japan) and Yukihiro Ohya (Japan)
- A Case of Persistent Atopic Dermatitis Associated with Parasitic Infection | <u>Rosanna Qualizza, MD (Italy)</u>, Cristoforo Incorvaia, MD (Italy) and Anna Maraschini. MD (Italy)
- The Icatibant Outcome Survey: More Than 1500 Icatibant-Treated Attacks in Patients with Type I or II Hereditary Angioedema | <u>Marcus Maurer</u> (<u>Germany</u>), Teresa Caballero (Spain), Werner Aberer (Austria), (Italy), Laurence Bouillet (France), Vincent Fabien (Switzerland) and Hilary Longhurst (United Kingdom)
- Role of Omalizumab in the Setting of Recalcitrate Dermatitis with Extremely Elevated IgE Levels | <u>Muhammad Imran, MD (United States)</u>, John Martinez, MD (United States) and Selina Gierer, DO (United States)
- 1074 Intravenous Immunoglobluin Treatment in a Child with Resistant Atopic Dermatitis: A Brief Review on this Therapeutic Regimen | <u>Hyuck Hoon Kwon, MD, PhD (Korea)</u> and Kyu Han Kim, MD, PhD (Korea)
- **1075** A Study of the Eczema Herpeticum in Korean | <u>Yun Seon Choe, MD (Korea)</u>, Kyu Han Kim, MD, PhD (Korea) and Mira Choi, MD (Korea)
- Retrospective Analysis of the Incidence of Allergy in Patients with Contact Eczema | Milena Wojciechowska, MD (Poland), Anna Hnatyszyn-Dzikowska, MD (Poland), Micha Chojnacki (Poland), *Joanna Kolodziejczyk (Poland*), Zbigniew Bartuzi, MD, PhD (Poland) and Milena Wojciechowska, MD (Poland)
- Specific Sublingual Immunotherapy in Korean Patients with Atopic Dermatitis | <u>Byung Soo Kim, MD, PhD (Korea)</u>, Hyun-Joo Lee, MD (Korea), Jeong-Min Kim, MD (Korea), Gun-Wook Kim, MD (Korea), Je-Ho Mun, MD (Korea), Hoon-Soo Kim, MD (Korea), Margaret Song, MD (Korea), Hyun-Chang Ko, MD (Korea) and Moon-Bum Kim, MD, PhD (Korea)
- 1078 Innate Type 2 Response to Aspergillusfumigatus in a Murine Model of Atopic Dermatitis-like Skin Inflammation | <u>Arum Park (Korea)</u>, Eun Lee, MD (Korea), Song-I Yang, MD (Korea), Hyun-Ju Cho, MD (Korea) and Jinho Yu, MD, PhD (Korea)
- 1079 A Kampo Formula, Ogi-kenchu-to, Decreases Side-Effects of Steroid Ointment for Infantile Atopic Dermatitis: Three Cases Report | Noriko Yahiro, MD, PhD (Japan)
- Activin a Receptor 1C May Implicate in the Development of Sensitive Skin | Eun Ju Kim, PhD (Korea), <u>Dong Hun Lee, MD, PhD (Korea)</u>, Yeon Kyung Kim (Korea), Eun Jin Doh, MD (Korea), Seon Pil Jin (Korea), Young Mee Lee, PhD (Korea), Hee Chul Eun, MD PhD (Korea) and Jin Ho Chuna. MD PhD (Korea)
- Eyelid Dermatitis: Patch Test Results During a 15-Year Period in Korea and Evaluation of Metal Contents in Eye Shadows | <u>Hae Young Choi, MD</u> (<u>Korea</u>), Hye Jin Lee, MD (Korea), Ju Yun Woo, MD (Korea), Ji Yeon Byun, MD PhD (Korea), You Won Choi, MD PhD (Korea) and Hye Jin Lee, MD (Korea)
- Evaluation of Anti-Pruritic and Anti-Inflammatory Effects of Korean Red Ginseng Extract on Atopic Dermatitis Murine Model | Hyun Joo Lee, MD (Korea), So Min Kim, MD (Korea), Hei Sung Kim, MD, PhD (Korea), Jeong Deuk Lee, MD, PhD (Korea) and Sang Hyun Cho, MD, PhD (Korea)
- Clinical Characteristics of Patients with Chromium Allergy in a Single University Hospital in Korea | <u>Hae Young Choi, MD (Korea)</u>, Ji Yeon Byun, MD PhD (Korea), Ju Yun Woo, MD (Korea), You Won Choi, MD PhD (Korea) and Ju Yun Woo, MD (Korea)
- Factors of Influencing Epidermal Permeability Barrier Defects in Atopic Dermatitis Children | <u>Myong Soon Sung (Korea)</u>, Yong Jin Hwang (Korea), Jin Uck Choi (Korea) and Sung Won Kim (Korea)
- 1085 Mechanism of Oral and Topical Polyprenol Action in Atopic Dermatitis | Galina Kuznecova (Latvia) and Ivans Sergejs Kuznecovs, MD (Latvia)
- Second Line Treatments of Dermographic Urticaria Refractory to Antihistamines | <u>Keiko Hanaoka, MD (Japan)</u>, Makiko Hiragun, MD, PhD (Japan), Akio Tanaka, MD, PhD (Japan), Mikio Kawai, MD (Japan) and Michihiro Hide, MD, PhD (Japan)
- The Prevalence of Metal Allergy in the Patients with Orthodontic Appliance | Hana Bak, MD, PhD (Korea) and Yong-Won Lee, MD, PhD (Korea)
- Inappropriate Amounts of Topical Tacrolimus Applied on Korean Patients with Eczema | <u>Gun-Wook Kim, MD (Korea)</u>, Hyun-Chang Ko, MD (Korea), Byung Soo Kim, MD, PhD (Korea), Moon-Bum Kim, MD, PhD (Korea) and Margaret Song, MD (Korea)

- New Strategy for Atopic Dermatitis Therapy with Modulation of Calcium Ion Channels | <u>Woo Kyung Kim, MD, PhD (Korea)</u>, Yu Ran Nam, PhD Student (Korea) and Joo Hyun Nam, PhD (Korea)
- 1090 Contact Allergy to Sodium Sulfite and Its Relationship to Facial Cosmetic Contact Dermatitis | Hana Bak, MD, PhD (Korea) and <u>Yongwon Lee, MD, PhD (Korea)</u>
- 1091 Individual Therapeutic Patient Education and Consultation in Children with Atopic Dermatitis | <u>Hye-Soo Yoo, MD (Korea)</u>, Jieun Kim (Korea), Inok Kim (Korea), Haejin Kim (Korea), Younhee Chang (Korea), Hae-Sim Park, MD, PhD (Korea) and Sooyoung Lee, MD, PhD (Korea)
- Neutralization of Stratum Corneum Accelerates the Progress from Atopic Dermatitis to Asthma-like Lesion in Flaky Tail Mice Treated by House

 Dust Mite Allergen | <u>Hae-Jin Lee, MD (Korea)</u>, Noo Ri Lee, MD (Korea), Bo-Kyung Kim, MD (Korea), Minyoung Jung, PhD (Korea), Dong Hye

 Kim (Korea), Catharina S. Moniaga (Japan), Kenji Kabashima (Japan) and Eung Ho Choi, MD (Korea)
- Korean Treatment Guideline of Atopic Dermatitis | <u>Joo Young Roh, MD (Korea)</u>, Jung Eun Kim, MD (Korea), Hyun Jeong Kim, MD (Korea), Bark-Lynn Lew, MD (Korea), Kyung Ho Lee, MD (Korea), Seung-Phil Hong, MD (Korea), Yong Hyun Jang, MD (Korea), Kui Young Park, MD (Korea), Seong Jun Seo, MD, PhD (Korea), Jung Min Bae, MD (Korea), Eung Ho Choi, MD (Korea), Ki Beom Suhr, MD (Korea), Seung Chul Lee, MD (Korea), Hyun-Chang Ko, MD (Korea), Young Lip Park, MD (Korea), Sang Wook Son, MD (Korea), Young Jun Seo, MD (Korea), Yang Won Lee, MD (Korea), Sang Hyun Cho, MD (Korea) and Chun Wook Park, MD (Korea)
- The Inhibition of Mast Cell Degranulation by Crucial Factors Released from Human Stem Cells in Atopic Dermatitis | Hyung-Sik Kim, DVM, PhD (Korea), Tae-Hoon Shin, DVM (Korea), Byung-Chul Lee, DVM (Korea) and Kyung-Sun Kang, DVM, PhD (Korea)
- Activation of Toll Like Receptor 1 and 6 by House Dust Mite Enhances the Expression of Tight Junction Protein in Epidermal Keratinocytes | <u>Yong Hyun Jang, MD (Korea)</u>, Min Ji Kim (Korea), Hyun Bo Sim (Korea), Sang Lim Kim (Korea), Weon Ju Lee (Korea), Seok-Jong Lee (Korea), Jin Kyeong Choi (Korea), Sang-Hyun Kim (Korea) and Do Won Kim (Korea)
- 1096 Triggering Factors of Atopic Dermatitis by Severity | <u>Yoon Ha Hwang, MD (Korea)</u> and Sung Won Kim (Korea)
- Low Vitamin D Levels are Related to High House Dust Mite Sensitization in Patients with Severe Atopic Dermatitis | <u>Yong Hyun Jang, MD</u> (<u>Korea</u>), Hyun Bo Sim (Korea), Sang Lim Kim (Korea), Weon Ju Lee (Korea), Seok-Jong Lee (Korea), Sang-Hyun Kim (Korea) and Do Won Kim (Korea)
- Procedure for Diagnostic and Selection of Immunotherapy Method for Children with Different Immunopathogenetic Phenotypes of Atopic Dermatitis | <u>Tatiana Slavyanskaya, MD, Prof (Russia)</u> and Vladislava Derkach, PhD (Russia)
- Validation of the Newly Developed Multiple Allergen Simultaneous Test in Korea | <u>Jungsoo Lee, MD (Korea)</u>, Howard Chu, MD (Korea), Hemin Lee, MD (Korea), Hong Kyu Kang, MD (Korea), Jung U Shin, MD (Korea), Chang Ook Park, MD (Korea) and Kwang Hoon Lee, MD, PhD (Korea)
- Improved Quality of Life through an Integrated Health Care Service for Children with Atopic Dermatitis | <u>Hyungoo Kang, MD (Korea)</u>, Hyunhee Kim, MD (Korea) and Hye-Yung Yum, MD, PhD (Korea)
- Lipid Profiles and Adipokines in Korean Children with Atopic Dermatitis | Young Yoo, MD, PhD (Korea), Won Suck Yoon, PhD (Korea), Sungchul Seo, PhD (Korea), In Soon Kang (Korea), Jae Won Choi (Korea), Hye-Young Lim (Korea) and Ji Tae Choung, MD, PhD (Korea)
- Immunological Changes Induced by Intramuscular Injections of Autolologous Immunoglobulin in Patients with Severe Atopic Dermatitis | <u>Su-Mi</u> <u>Cho, MS (Korea)</u>, Myoung-Eun Kim, RN (Korea) and Dong-Ho Nahm, MD, PhD (Korea)
- Prevalence of Atopic Dermatitis and Its Associated Risk Factors in Elementary School Children: A Cross-Sectional Study in Gyeonggi-Do, Korea | <u>Eunji Kim, MD (Korea)</u>, Jue Seong Lee, MD (Korea), Sungchul Seo, PhD (Korea), In Soon Kang (Korea), Ji Hyen Hwang, MD (Korea), Ji Tae Choung, MD, PhD (Korea) and Young Yoo, MD, PhD (Korea)
- Multicenter Questionnaires on Current Management of Atopic Dermatitis among Korean Patients and Caregivers | <u>Dong Hun Lee, MD, PhD</u> (<u>Korea</u>), Jin-Young Lee, MD, PhD (Korea), Yang Park, MD, PhD (Korea), Jae-Won Oh, MD, PhD, FAAAAI (Korea), Mi Hee Lee, MD (Korea), Soo-Jong Hong, MD, PhD (Korea), So-Yeon Lee, MD (Korea), Joon Soo Park, MD, PhD (Korea), Dong-Ho Nahm, MD, PhD (Korea) and Hye-Yung Yum, MD, PhD (Korea)
- Clinical, Histological, and Skin Microbiome Characteristics of Head and Neck Dermatitis in Atopic Dermatitis | <u>Hemin Lee, MD (Korea)</u>, Howard Chu, MD (Korea), Jungsoo Lee, MD (Korea), Jung U Shin, MD (Korea), Chang Ook Park, MD (Korea), Ji Yeon Noh, PhD (Korea), Seo Hyeong Kim (Korea), Ji Hye Kim (Korea) and Kwang Hoon Lee, MD, PhD (Korea)
- A Questionnaire Survey on Understanding of Atopic Dermatitis among Korean Patients and Caregivers | <u>Eun Jin Doh, MD (Korea)</u>, Mira Choi, MD (Korea), Ji Soo Lim, MD (Korea), Hyun-Sun Yoon, MD, PhD (Korea), Dong Hun Lee, MD, PhD (Korea) and Kyu Han Kim, MD, PhD (Korea)
- miR-432 Modulates Th1 Responses and Induced Therapeutic Effects in Atopic Like Mouse Model | <u>Won Suck Yoon, PhD (Korea)</u> and Young Yoo, MD, PhD (Korea)
- Correlations between Objective Severity Score and Each of the Subjective Severity Intensity in Atopic Dermatitis | <u>Hong Kyu Kang, MD (Korea)</u>, Howard Chu, MD (Korea), Hemin Lee, MD (Korea), Jungsoo Lee, MD (Korea), Jung U Shin, MD (Korea), Chang Ook Park, MD (Korea) and Kwang Hoon Lee, MD, PhD (Korea)
- A Case of Generalized Pustular Psoriasis Mimicking Acute Generalized Exanthematous Pustulosis | <u>Myung Shin Kim, MD (Korea)</u> and Chansun Park. MD (Korea)
- Barrier Related Gene Mutations in Atopic Dermatitis | <u>Na Young Yoon, MD (Korea)</u>, Hye-Young Wang, PhD (Korea), Minyoung Jung, PhD (Korea), Dong Hye Kim (Korea), Seong Jun Seo, MD, PhD (Korea), Eunhee Choi, PhD (Korea), Hyeyoung Lee, PhD (Korea) and Eung Ho Choi, MD, PhD (Korea)
- Efficacy of Sodium Hypochlorite (bleach) Baths to Reduce Staphylococcus Aureus Colonization in Childhood Onset Moderate-to-Severe Eczema: A Randomized, Placebo-Controlled Crossover Trial | Kam Lun E. Hon, MD (Hong Kong), Yin Ching K. Tsang (Hong Kong) and Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)

- Capsaicin Injection in Neonatal Period Potentiates Intensity and Duration of Atopic Dermatitis of Rats | <u>Jue Seong Lee, MD (Korea)</u>, Sewon Kim (Korea), Seung Keun Back, PhD (Korea), Young Yoo, MD, PhD (Korea), Heung Sik Na, MD, PhD (Korea) and Sun-Ho Kee, MD, PhD (Korea)
- 1113 Protective Effect of Probiotics in the Treatment of Infantile Eczema | Rong Jun Lin (China) and Ren Zheng Guan (China)
- Which Clinical Features Are Useful in Predicting Presence of Staphylococcus Aureus Colonization/Infection in Childhood Atopic Dermatitis? | Kam Lun E. Hon, MD (Hong Kong), Yin Ching K. Tsang (Hong Kong) and Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)
- 1115 Genetic Diversity of Filaggrin Mutation and Its Clinical Implication in East Asian Atopic Dermatitis Patients | <u>Seong Jun Seo, MD, PhD (Korea)</u>
 and Won Jong Oh, MD (Korea)
- Development of a Questionnaire for Secular Change of Atopic Dermatitis from Birth to 19-Year-Old | <u>Akio Tanaka, MD, PhD (Japan)</u>, Satoshi Morioke, MD, PhD (Japan), Hiroko Shizukawa, MD (Japan), Yukihiro Ohya (Japan), Naoki Shimojo, MD, PhD (Japan), Akira Akasawa, MD, PhD (Japan) and Michihiro Hide, MD, PhD (Japan)
- An Analysis of the Filaggrin Gene Polymorphism in Korean Atopic Dermatitis Patients | <u>Kui Young Park, MD, PhD (Korea)</u> and Won Jong Oh, MD (Korea)
- Sublingual Immunotherapy Efficacy in Patients with Atopic Dermatitis in Korea | <u>Jongrok Lee, MD (Korea)</u>, Jooyoung Roh, MD (Korea) and Haryeong Ryu (Korea)
- 1119 Clinical Characteristics of Filaggrin-Related Atopic Dermatitis Patients in Korea | <u>Sun Young Choi, MD (Korea)</u> and Yeon a No, MD (Korea)
- Introducing Reach (Reliable Estimation of Atopic dermatitis in Childhood): Novel, Questionnaire-Based Diagnostic Criteria for Childhood Atopic Dermatitis | Jung Min Bae, MD (Korea), Ho-June Lee, M.D (Korea) and Seung-Chul Lee, Prof, MD (Korea)
- Phthalate Exposure and Obesity in Atopic Dermatitis of Korean Children and Adolescents | <u>Ju-Hee Seo, MD (Korea)</u>, Mina Ha, MD, PhD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- Probiotic Recombination Protein Effect on Atopic Dermatitis | <u>Chen-Wei Leng (Taiwan)</u>, Jiu-Yao Wang, MD, PhD (Taiwan) and Jiu-Yao Wang, MD, PhD (Taiwan)
- Health Advice on Dairy and Non-Dairy Beverage Consumption for Childhood Eczema | Kam Lun E. Hon, MD (Hong Kong), Chantel Ng (Hong Kong), and Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)
- Clinical Analysis the Serum TARC Levels as the Condition Index of Atopic Dermatitis in the Early Infancy. | <u>Munemitsu Koizumi, MD (Japan)</u> and Kazuyo Kuzume, MD (Japan)
- A Case of Generalized Molluscum Contagiosum in an Adult Patient with Severe Atopic Dermatitis | Minkee Park, MD (Korea), Misoo Choi, MD (Korea), Chanhee Nam (Korea), Ji Seok Kim (Korea), Byung Cheol Park (Korea), Myunghwa Kim (Korea) and Seung-Phil Hong, MD (Korea)

12:30 – 13:30 POS 1-3: Infection and Allergy

Hall D Pre-Function

Chairpersons: Luis Caraballo (Colombia), Claus Bachert (Belgium)

- 1126 Stevens Johnson Syndrome Caused by Typhoid Fever in a Child | <u>Azwin Lubis, MD (Indonesia)</u> and Anang Endaryanto, MD, PhD (Indonesia)
- Infantile Eczema is Associated with Campylobacter and Roseburia Subpopulations but Not Microbial Diversity in Stool Samples of Chinese
 Newborns | Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong), Man Fung Tang, BSc (Hong Kong), Jamie Sui-Lam Kwok, BSc (Hong Kong),
 Wing Hung Tam, MD (Hong Kong), Hing Yee Sy, PhD (Hong Kong), Christine Kit-Ching Tung, BSc (Hong Kong), Kam Lun Ellis Hon, MD, FAAP
 (Hong Kong), Gary WK Wong, MD (Hong Kong) and Stephen Kwok-Wing Tsui, PhD (Hong Kong)
- 1128 Characterization of Specific IqE Antibody Related to Antigen 5 of Echinococcus Granulosus | Mohammadreza Siavashi, PhD (Iran)
- The Study of Clinical Characteristics, Lung Function and Bronchodilator Responsiveness in Infants with RSV Bronchiolitis | <u>Yong Feng, MD</u> (<u>China</u>) and Yunxiao Shang, PhD (China)
- A Synbiotic Mixture of ScGOS/IcFOS and Bifidobacterium Breve M-16V Is Able to Restore the Delayed Colonization of Bifidobacterium Observed in C-Section Delivered Infants | Chua Mei Chen (Singapore), Anne Goh (Singapore), Wen Chin Chiang (Singapore), Rajeshwar Rao (Singapore), Charmaine Chew (Singapore), Christophe Lay, PhD (Singapore), Kaouther Benamor, PhD (Netherlands), Jan Knol, PhD (Netherlands), Surasith Chaithongwongwatthana, MD (Thailand), Nipon Khemapech, MD (Thailand) and Voranush Chongsrisawat, MD (Thailand)
- Dominance of Th1-Response in Children with Refractory Mycoplasma Pneumoniae Pneumonia | <u>Jun Bao, MD (China)</u> and Yi-Xiao Bao, MD (China)
- A Metagenomic Approach through t-RFLP to the Microbiome of Asthma | Jae Woo Jung (Korea), Hye-Ryun Kang, MD, PhD (Korea), Kijeong Kim (Korea), Jae Chol Choi (Korea) and Byoung Whui Choi, MD, PhD (Korea)
- 1133 The Relationship between Rhinovirus and Recurrent Wheezing | Wenjing Zhu, MM (China), Chuanhe Liu (China), Min Zhao (China), Linqing Zhao (China), Yuan Qian (China), Yuzhi Chen, MD (China), Li Sha (China), Li Chang (China) and Yuzhi Chen, MD (China)
- Airway Inflammation Induced by House Dust Mite Derived Vesicles Is Mainly Induced By LPS Derived from Gram Negative Bacteria in Dust Mite. | Sang-Yoon Kim, MD (Korea), Jun-Pyo Choi, PhD (Korea), Ji-Hyun Lee, MD (Korea), Han-Ki Park, MD (Korea) and Yoon-Keun Kim, MD, PhD (Korea)
- The Prevalence of Toxocariasis and Diagnostic Value of Serologic Tests in Asymptomatic Korean Adults | <u>Jin-Young Lee, MD, PhD (Korea)</u>, Kyoung Won Ha, MD (Korea), Mi-Jung Oh, MD, PhD (Korea), Yun-Jin Jeung, MD (Korea), Young Hee Lim, MD, PhD (Korea), Sehyo Yune, MD (Korea), Byung-Jae Lee, MD, PhD (Korea) and Dong-Chull Choi, MD, PhD (Korea)
- Commensal Microbiota Regulates IgE Production in Response to Food Antigens | <u>Sung-Wook Hong, PhD (Korea)</u>, Kwangsoon Kim, PhD (Korea), Eunju O (Korea) and Charles D. Surh, PhD (Korea)

- The Effect of Helicobacter Pylori Infection in Atopic Individuals | <u>Sukran Kose, As, Prof (Turkey)</u>, Basak Gol Serin, MD (Turkey), Arzu Didem Yalcin, MD (Cyprus), Süheyla Serin Senger, As, Prof (Turkey), Mehmet Erden (Turkey) and Ertan Serin (Turkey)
- Relationship between Gut Microbiota in the First 3 Months of Life and Infant Immune Function at Age 12 Months | <u>Intan Hakimah Ismail, MD, MMed (Malaysia)</u>, Paul Licciardi, PhD (Australia), Frances Oppedisano, BAppSc (Australia), Robert Boyle, MB ChB, PhD (United Kingdom), Roy Robins-Browne, MJB BCh, PhD (Australia) and Mimi Tang, MBBS, PhD, FRACP, FRCPA (Australia)
- Respiratory Syncytial Virus Regulates IL-33 Expression in Bronchoalveolar Cells and Lung Tissue in Vivo | <u>Alina Gaisina (Russia)</u>, Igor Shilovskiy (Russia), Aleksandra Nikonova (Russia), Komogorova Viktoriya (Russia), Marina Litvina (Russia), Nina Sharova (Russia), Oleg Kamyshnikov (Russia), Alexander Mitin (Russia) and Musa Khaitov, MD, PhD (Russia)
- Feeding Shapes the Colonization of Gut Microbiota and Associated with Total IgE in Infant | Mi-Jin Kang, MS (Korea), Eun Lee, MD (Korea), Kil Yong Choi, MS (Korea), Ha-Jung Kim, PhD (Korea), Bong-Soo Kim, PhD (Korea), Song-I Yang, MD (Korea), Young-Ho Jung, MD (Korea), Hyun-Ju Cho, MD (Korea), Young-Ho Kim, MD (Korea), Yean Jung Choi, PhD (Korea), So-Yeon Lee, MD (Korea), Yoon Hee Kim, MD (Korea), Dongin Suh, MD (Korea), Youn Ho Shin, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Byoung-Ju Kim, MD (United States), Hyun-Jin Kim, MD (Korea), Juneyoung Koh, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
 - Severe Refractory Pulmonary Complications in Children with Mycoplasma Pneumoniae Pneumonia | <u>Sejin An, MD (Korea)</u>, Jae Ho Lee, MD, PhD (Korea) and Jae Ho Lee, MD, PhD (Korea)
 - Immune-Modulatory Genomic Properties Differentiate Gut Microbiotas of Infants with and without Eczema | Seungdae Oh (United States),

 <u>Gaik Chin Yap (Singapore)</u>, Pei Ying Hong (Saudi Arabia), Chiung Hui Huang (Singapore), Marion Aw, MD (Singapore), Lynette Shek, MBBS,

 MRCPCH (Singapore), Wen Tso Liu (United States) and Bee Wah Lee, MD (Singapore)
 - The Effect of Medication in OSA Patients with Allergic Rhinitis | <u>Young Seok Byun, MD (Korea)</u>, Sung-Hwa Dong, MD (Korea), Tae Kyung Koh, MD (Korea), Chul Kwon, MD (Korea), Kun Hee Lee, MD, PhD (Korea), Joong-Saeng Jo, MD, PhD (Korea) and Sung Wan Kim, MD, PhD (Korea)
 - Early Gut Bifidobacterium Breve and B. Catenulatum Colonisation Differentially Modulate Eczema Risk in Children at High-Risk of Developing Allergic Disease | Intan Hakimah Ismail, MD, MMed (Malaysia), Robert Boyle, MB ChB, PhD (United Kingdom), Paul Licciardi, PhD (Australia), Frances Oppedisano, BAppSc (Australia), Roy Robins-Browne, MJB BCh, PhD (Australia) and Mimi Tang, MBBS, PhD, FRACP, FRCPA (Australia)
 - Different Inflammatory Mechanisms of Human Metapneumovirus and Respiratory Syncytial Virus | <u>Jin-Sung Park, MD (Korea)</u>, Eunmi Kwon, CRN (Korea), Zac Callaway, PhD (Korea), Takao Fujisawa, MD, PhD (Japan) and Chang-Keun Kim, MD, PhD (Korea)
 - Vitamin D Level in Allergic Rhinitis: A Systemic Review and Meta-Analysis | <u>Yoon Hee Kim, MD (Korea)</u>, Min Jung Kim, MD (Korea), In Suk Sol, MD (Korea), Seo Hee Yoon, MD, PhD (Korea), Young a Park, MD (Korea), Yong Ju Lee, MD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)
 - Clinical Significance of Serum Total IgE Levels in Children with RSV-Associated Lower Respiratory Illness | <u>Yoon Young Jang (Korea)</u>, Hai Lee Chung, MD (Korea), Ji Hye Kim (Korea), Hyun Seok Lee (Korea) and Chang Ho Lee (Korea)
 - 1148 A First Case of Lymphocytic Interstitial Pneumonitis in Healthy Child | <u>Ji-in Jung, MD (Korea)</u>, Ha-Su Kim, MD (Korea), Hyun-a Kim, MD (Korea) and Jin-a Jung, MD, PhD (Korea)
 - Role of BRP-39 in RSV-Induced Airway Inflammation in Mice | Min Jung Kim, MD (Korea), Doo Hee Shim, PhD (Korea), In Suk Sol, MD (Korea), Seo Hee Yoon, MD, PhD (Korea), Yoon Hee Kim, MD (Korea), Mi Na Kim (Korea), Jung Yeon Hong (Korea), Kyung Eun Lee, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea), Kyu-Earn Kim, MD, PhD (Korea) and Jae Myun Lee, MD, PhD (Korea)
 - Elevated Airway CD45RO Memory Cells in Wheezing Children with Lower Respiratory Infection | <u>Jungi Choi, MD (Korea)</u>, Yusok Han, MD (Korea), Jin-Sung Park, MD (Korea), Eunmi Kwon, CRN (Korea) and Chang-Keun Kim, MD, PhD (Korea)
 - Relation of Human MicroRNA in Sputum of Asthma with Influenza A Virus Infection-Induced Exacerbation | <u>Ji-Na Kim (Korea)</u>, Seungwoo Shin (Korea), Hun Soo Chang (Korea), Eun-Young Shim (Korea), Ji Ah Jun (Korea), Hyeonju Lee (Korea), Jong-Sook Park, MD (Korea) and Choon-Sik Park, MD, PhD (Korea)
 - Association between the Clinical Characteristics and Disease Severity in Hospitalized Bronchiolitis Patients Younger than Two Years Old | <u>Seo Hee Yoon, MD, PhD (Korea)</u>, Yoon Hee Kim, MD (Korea), Min Jung Kim, MD (Korea), In Suk Sol, MD (Korea), Young a Park, MD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)

12:30 – 13:30 POS 1-4: Infection and Allergy

Hall D Pre-Function

Chairpersons: Hai Lee Chung (Korea), Ignacio J. Ansotegui (Spain), Suwat Benjaponpitak (Thailand)

- Use of Skin Prick Test, Specific IgE to Shrimp and rPen a1 to Determine Clinical Reaction to Shrimp in Area with High Prevalence of House Dust Mite Sensitization | Narissara Suratannon, MD (Thailand), Jaichat Mekaroonkamol, MD (Thailand), Jarungchit Ngamphaiboon (Thailand), Piyawadee Lertchanarvengrith, MD (Thailand) and Pantipa Chatchatee, MD (Thailand)
- ldentification of Specific IgE-Binding Proteins in Tree of Heaven (Ailanthus Altissima) Pollen | Fateme Mousavi (Iran), Ahmad Majd (Iran), Youcef Shahali (France), Farrokh Ghahremaninejad (Iran), Gholam Ali Kardar (Iran) and Zahra Pourpak (Iran)
- Novel Transcriptomic and Immunoproteotomic Approaches in Identifying Cross-Reactive Allergens between Crustacean and Molluscs | <u>Andreas-Ludwig Lopata, PhD (Australia)</u>, Kyall Zenger, PhD (Australia), Sandip Kamath, PhD (Australia) and Roni Nugraha (Australia)
- 1156 Causative Allergens in Cases of Severe Persistent Allergic Rhinitis in Central India | Subir Jain MB, BS, DLO (India)
- An Evaluation of Various Allergens in Cases of Allergic Bronchial Asthma at Lucknow and Neighbouring Districts by Intradermal Skintest | <u>Drsushil</u> Suri, MD (India) and Dranu Suri, MBBS (India)

- Novel Multiple Allergy Testing Kit Using Parallel Lines Array (PLA) Technology | <u>Bum Joon Kim (Korea)</u>, Hs Joo (Korea), Kh Yoon (Korea), DS Choi (Korea), Jae-Hyun Lee, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea) and Kj Lim (Korea)
- 1159 IgE Reactivity of Recombinant allergen Pac C 3 of the Asian Needle Ant Pachycondyla Chinensis | <u>Kyoung Yong Jeong, PhD (Korea)</u>, Myung-Hee Yi, PhD (Korea), Mina Son, MSc (Korea), Dongpyo Lyu, PhD (Korea), Jae-Hyun Lee, MD, PhD (Korea), Tai-Soon Yong, MD, PhD (Korea), Chein-Soo Hong, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Kyoung Yong Jeong, PhD (Korea) and Jung-Won Park, MD, PhD (Korea)
- Der p 23: A Major House Dust Mite Allergen in Spite of Limited Release from Fecal Pellets and Prominent Protease Sensitivity | <u>Wai Tuck Soh</u> (<u>Thailand</u>), Emmanuel Nony (France), Maxime Le Mignon (France), Kiat Ruxrungtham (Thailand) and Alain Jacquet, PhD (Thailand)
- Immunoglobulin E to Allergen Components of House Dust Mite in Korean Children with Allergic Disease | <u>Hwan Soo Kim, MD (Korea)</u>, Sul Mui Won (Korea), Yoon Hong Chun, MD (Korea), Jong-Seo Yoon, MD (Korea), Hyun Hee Kim, MD (Korea) and Jin Tack Kim, MD (Korea)
- 1162 Identification of an IgG1-Mediated Anaphylaxis Marker and Its Application in Evaluating the Antigenicity of Infant Formulas | <u>Takeshi Matsubara</u>, <u>PhD (Japan)</u>, Hiroshi Iwamoto (Japan), Yuki Nakazato (Japan), Kazuyoshi Namba (Japan) and Yasuhiro Takeda (Japan)
- Production and Characterization of Recombinant Periplaneta Americana Allergens for Component Resolved Diagnosis | <u>Stephanie Eichhorn</u> (<u>Austria</u>), Isabel Pablos (Austria), Bianca Kastner (Austria), Bettina Schweidler (Austria), Sabrina Wildner (Austria), Peter Briza (Austria), Jung-Won Park, MD, PhD (Korea), Naveen Arora (India), Stefan Vieths (Germany), Gabriele Gadermaier (Austria) and Fatima Ferreira (Austria)
 - No Increase in the Serum Periostin Level is Detected in Elementary School-Age Children with Allergic Diseases | <u>Yuzaburo Inoue, MD, PhD</u> (<u>Japan</u>), Kenji Izuhara, MD, PhD (Japan), Shoichiro Ohta, MD, PhD (Japan), Junya Ono, BS (Japan) and Naoki Shimojo, MD, PhD (Japan)
 - The Prevalence of Gastroesophageal Reflux Disease in Chronic Unexplained Cough | <u>Sehyo Yune, MD (Korea)</u>, Jin-Young Lee, MD, PhD (Korea), Jae-Won Paeng (Korea), Mi-Jin Jang (Korea), Young Eun Kim (Korea), Yongseok Lee (Korea), Dong-Chull Choi, MD, PhD (Korea) and Byung-Jae Lee, MD, PhD (Korea)
 - The Sensitization Model and Correlation of Bermuda and Timothy Grass Pollen Allergen in Allergic Patients in Southern China | <u>Wenting Luo, MD</u> (<u>China</u>) and Baoqing Sun, MD (China)
 - 1167 Clinical Significance between the Allergic Test and Serum Eosinophil Cationic Protein | <u>Boo-Young Kim (Korea)</u> and Soo Whan Kim, MD (Korea)
 - Usefulness of House Dust Mites Nasal Provocation Test in Asthma | <u>Inseon S Choi, MD, PhD (Korea)</u>, Soo-Jeong Kim, MD (Korea), Joo-Min Won, MD (Korea) and Myeong-Soo Park, MD (Korea)
 - Clinical and Laboratory Characteristics of Nasal Obstruction Dominant Allergic Sensitization | <u>Seung-No Hong, MD (Korea)</u>, Chae-Seo Rhee, MD, PhD (Korea) and Doo-Hee Han (Korea)
 - Cloning and Expression of Recombinant Blomia Tropicalis Dust Mite Allergen Blo t 7 | Arun Buaklin, PhD (Thailand), Nat Malainual, PhD (Thailand) and Alain Jacquet, PhD (Thailand)
 - Reference Values of Total IgE in Estonian Children | <u>Kaja Julge, MD, PhD (Estonia)</u>, Tiina Rebane, MSc (Estonia), Maire Vasar, MD, PhD (Estonia) and Tiia Voor, MD, PhD (Estonia)
 - 1172 Component-Resolved Diagnostic Study of Dermatophagoides Pteronyssinus Major Allergen Molecules in a Southern China | Baoqing Sun, MD (China) and Wenting Luo, MD (China)
 - Discovery of Putative Macadamia Nut Allergens by Patient IgE Binding and a Label-Free Shotgun Proteomics Approach | Nanju Alice Lee,

 PhD (Australia), Johanna Rost (Australia), Sridevi Muralidharan, PhD (Australia), Dianne Campbell, MD, PhD (Australia) and Sam Mehr, MD (Australia)
 - 1174 Assessment of ORAL Drug Provocation Test in the Diagnosis of Non-Steroidal Anti-Inflammatory Drugs Hypersensitivity | <u>Bui van Khanh, MD</u> (<u>Vietnam</u>), Hieu Chi Chu, MD (Vietnam), Nguyen Nhu Nguyet, MD (Vietnam) and Nguyen Hoang Phuong, MD (Vietnam)
 - 1175 Comparison of Interpretation Methods in Allergic Skin Test | <u>Sung-Hwa Dong, MD (Korea)</u>, Young Seok Byun, MD (Korea), Tae Kyung Koh, MD (Korea), Chul Kwon, MD (Korea), Kun Hee Lee, MD, PhD (Korea), Joong-Saeng Jo, MD, PhD (Korea) and Sung Wan Kim, MD, PhD (Korea)
 - 1176 Component Resolved Diagnosis and Single Nucleotide Polymorphism Analyses: Towards the Development of Specific Immunotherapy for Allergy | Maricar Wisco Ching, PhD (Philippines) and John Donnie Ramos, PhD (Philippines)
 - Clinical Meanings of Serum Soluble CD93 in Asthmatics and Its Potential as a Novel Biomarker of Allergic Inflammation | <u>Hye Jung Park, MD</u> (Korea), Yoon Hee Park (Korea), Heejae Han (Korea), Junho Kim, MD (Korea), Kyung Hee Park, MD (Korea), Jung-Won Park, MD, PhD (Korea) and Jae-Hyun Lee, MD, PhD (Korea)
 - The Transcription Factor Ehf Is Involved in TGF-B-Induced Suppression of Fceri and c-Kit Expression and Fceri-Mediated Activation in Mast Cells | Susumu Yamazaki, MD (Japan), Nobuhiro Nakano (Japan), Asuka Honjoh, MD (Japan), Eisuke Inage, MD, PhD (Japan), Yosuke Baba, MD, PhD (Japan), Yoshikazu Ohtsuka, MD, PhD (Japan) and Toshiaki Shimizu, MD, PhD (Japan)
 - 1179 Technical Validation of the Repurposing of a Personal Particle Sampler to Determine House Dust Mite Exposure in the Ambient Air | <u>Torsten Sehlinger (Germany)</u>, Karl-Christian Bergmann, Prof., Dr (Germany) and Frank Goergen (Germany)
 - A Retrospective Analysis of Allergy Blood Testing in Beijing Children's Hospital in the Year of 2013: A Single-Center Research | *Qing Miao (China) and Li Xiang (China)*
 - In-Vitro Screening of Atopy in the Indian Population: Are Current Methods Adequate, Keeping Local IgE Seroprevalence for Common Food & Inhalant Allergens in Mind? | Vidya Nerurkar, MD (India), Meenal Patel, Msc (India) and Simi Bhatia, MD (India)
 - A Sequential Indirect-Direct Bronchial Provocation Test for Diagnosis of Asthma: a Pilot Study | <u>Jaechun Lee, MD, PhD (Korea)</u>, Sun Young Yang (Korea), Mi Young Ahn (Korea), Jong Hoo Lee, MD, PhD (Korea) and Jasmina Golez, MD (Slovenia)
- 1184 Collection of Nasal Secretions for Measurement of Local IgE: A Quest for the Best Method | <u>Margot Berings, MD (Belgium)</u>, Natalie De Ruyck, MSC (Belgium), Gabriële Holtappels (Belgium), Claus Bachert, MD, PhD (Belgium) and Philippe Gevaert, MD, PhD (Belgium)

- Serum Eosinophilia and Total IgE are Associated with the Risk of Allergic Sensitization and Allergic Symptoms in Two Years Follow-up,
 Respectively | Sang Chul Park, MD (Korea), Hyo Jin Chung, MD (Korea), Chang-Hoon Kim, MD (Korea), Ju Wan Kang, MD (Korea), Keun-Hwa
 Lee, PhD (Korea), Jaechun Lee, MD, PhD (Korea), Hye-Sook Lee, PhD (Korea), Seong-Chul Hong, MD (Korea) and Jeong Hong Kim, MD
 (Korea)
- Laboratory Diagnostic of Staphylococcal Sensitization | <u>Natalya Khramykhoverchenko, MD, PhD (Kazakhstan)</u> and Yagofarov Farid (Kazakhstan)
- Diagnostic Value of an Increase in FEV1 and/or FVC >12% and >200 mL from Baseline after Bronchodilators for Diagnosis of Asthma | <u>Jeong-Eun Kim, MD (Korea)</u>, Ju Suk Lee, MD (Korea), Ji Hyun Lee (Korea) and Kyung Woo Kang (Korea)
- 1188 Allergic Sensitization Status in Various Inflammatory Skin Diseases | <u>Youin Bae, MD (Korea)</u> and Gyeong-Hun Park, MD, PhD (Korea)
- 1189 The Relationship between the Relevance of Allergic Disease and the Value of Non-Specific IqE | Yasuhiro Suzuki, MD, PhD (Japan)
- 1190 The Association between Respiratory Tract Infection and Reactive Oxygen Stress | <u>Kazuhiro Sekimoto, MD (Japan)</u>, Kazuko Sugai, MD, PhD (Japan), Keiji Tsuchimoto, MD (Japan), Hiromi Uehara (Japan) and Masanori Ikeda, MD, PhD (Japan)
- Allergen Profile for Asthma/Rhinitis and Eczema among Patients in North India: An Immunocap Allergen Specific IgE Antibodies Assay Based Study | Nalin Nag, MD (India)
- Detection of Galacto-Oligosaccharide Specific IgE in Vitro | <u>Chiung-Hui Huang, PhD (Singapore)</u>, Jian Yi Soh, MRCPCH (Singapore), Wen Chin Chiang (Singapore), Wenyin Loh (Singapore), Si Hui Goh, MBBS (Singapore), Lynette Shek, MBBS, MRCPCH (Singapore), Dianne J. Delsing, PhD (Netherlands) and Bee Wah Lee, MD (Singapore)
- Reference Value and Utility of Total Serum Immunoglobulin E in Korean Schoolchildren | <u>Jaehee Choi (Korea)</u>, Kwanghoon Kim (Korea), Jiyoung Lee (Korea), Jihyun Kim, MD, PhD (Korea) and Kangmo Ahn, MD, PhD (Korea)
- 1194 Comparison between House Dust Mite and Aspergillosis Sensitization in Patients with High Level of Tige | <u>Wu Shiquan (China)</u> and Baoqing Sun, MD (China)

12:30 - 13:30 POSTER SESSIONS 2

POS 2-1: Drug Allergy Hall D Pre-Function

Chairpersons: Sandra N. González-Diaz (Mexico), Luciana Kase Tanno (Brazil), Alberto Alvarez-Perea (Spain)

- 2000 Chronic Bronchitis with Radio Contrast Media Hypersensitivity: A Case with Hypothesized GINA Step 1 Asthma | Shinichiro Koga (Japan), MPH, MD, PhD
- Atopic Disease and/or Atopy are Risk Factors for Local Anesthetic Allergy in Patients with History of Hypersensitivity Reactions to Drugs | <u>Fatma Merve Tepetam, MD (Turkey)</u>, Ismet Bulut, MD (Turkey), Emine Nur Koc (Turkey), Ulku Akturk (Turkey), Dildar Duman (Turkey) and Dilek Ernam (Turkey)
- **2002** Effectiveness of Premedication and Rapid Desensitization in Hypersensitivity to l-Asparaginase | <u>Hwan Soo Kim, MD (Korea)</u>, Sul Mui Won (Korea), Yoon Hong Chun, MD (Korea), Jong-Seo Yoon, MD (Korea), Hyun Hee Kim, MD (Korea) and Jin Tack Kim, MD (Korea)
- The Study about Cause and Clinicopathological Findings of Injection Induced Dermatitis | Youngjun Oh, MD (Korea), Dongwoo Suh, MD (Korea), Bark-Lynn Lew, MD (Korea), and Woo-Young Sim, MD, PhD (Korea)
- 2004 Clinical Values of Interferon-Gamma Enzyme-Linked Immunospot Assays for Management of Antibiotic Hypersensitivity in Hospitalized Patients | <u>Suda Sibunruang, MD (Thailand)</u> and Jettanong Klaewsongkram, MD (Thailand)
- **2005** Bepotastine-Induced Urticaria, Cross-Reactive with Other Antihistamines | <u>Jasmina Golez, MD (Slovenia)</u>, Jaechun Lee, MD, PhD (Korea) and Eunkyoung Lee, MBA (Korea)
- **2006** Evaluation of Drug Provocation Tests in Korean Children: A Single Center Experience | *Jinwha Choi (Korea), Kwanghoon Kim (Korea), Jaehee Choi (Korea), Jihyun Kim, MD, PhD (Korea) and Kangmo Ahn, MD, PhD (Korea)*
- 2008 Clinical and Subclinical Manifestations of Allopurinol Induced Severe Cutaneous Adverse Reactions in Vietnam | <u>Dinh Van Nguyen, PhD</u>

 <u>Student (Vietnam)</u>, Hieu Chi Chu, MD (Vietnam), Sy Van Than, MD Student (Vietnam), Mui Thi Tran, MD (Vietnam), Sheryl Van Nunen, Prof (Australia), Christopher Vidal, PhD (Australia) and Suran Fernando, Prof (Australia)
- 2009 De-Labeling Beta-Lactam Hypersensitivity: An Experience from a Tertiary Care Hospital in Thailand | <u>Sirinoot Palapinyo, MSc (Thailand)</u> and Jettanong Klaewsongkram, MD (Thailand)
- 2010 Hydroclorothiazide-Induced Acute Non-Cardiogenic Pulmonary Edema | <u>Ramon Lleonart, MD (Spain)</u>, Blanca Andres (Spain), Olga Capdevila (Spain) and Mercè Corominas (Spain)
- Skin-Test Cross-Reactivity Patterns in Immediate Hypersensitivity to Iodinated Contrast Media | <u>Ju-Young Kim, MD (Korea)</u>, Gun-Woo Kim, MD (Korea), Sung-Yoon Kang, MD (Korea), Kyoung Hee Sohn, MD (Korea), Byung-Keun Kim, MD (Korea), Woo-Jung Song, MD (Korea), Heung Woo Park, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea), Kyung-up Min, MD, PhD (Korea) and Hye-Ryun Kang, MD, PhD (Korea)
- A Case of Methazolamide-Induced Toxic Epidermal Necrolysis | <u>Jong-Wook Bae, MD (Korea)</u>, Kyu-Hyung Han, MD (Korea), Misoo Choi, MD (Korea), Seung-Phil Hong, MD (Korea), Seung-Hyun Kim, PhD (Korea) and Young-Koo Jee, MD (Korea)
- A Case of Rifampicin-Induced Hypersensitivity Diagnosed by the Lymphocyte Activation Test with Successful Desensitization | <u>Chan-Sun Park</u>, <u>MD (Korea)</u>, Mi Yeoung Kim, MD (Korea), Yeonye Kim (Korea), Jae-Hyeog Choi (Korea), Saegwang Park (Korea), Eun-Young Kim (Korea) and Jae-Gook Shin (Korea)
- Anti-Tuberculosis Drugs-Induced Liver Injury in Patients with Connective Tissue Diseases | <u>Dong Won Park, MD (Korea)</u>, Ji Young Yhi, MD (Korea), Ji-Yong Moon, MD (Korea), Sang-Heon Kim, MD (Korea), Tae Hyung Kim, MD (Korea), Jang Won Sohn, MD (Korea), Dong Ho Shin, MD (Korea) and Ho Joo Yoon, MD (Korea)
- The Clinical Characteristics of Adverse Drug Reactions Reported in a Regional University Hospital for 6 Years and the Suggestions for the Reporting System | <u>Jaechun Lee, MD, PhD (Korea)</u>, Su Hee Kim, MD (Korea) and Eunkyoung Lee, MBA (Korea)
- **2016** Fixed Drug Eruption Induced By Ornidazole and Diclofenac | <u>Ismet Bulut, MD (Turkey)</u> and Zeynep Ferhan Ozseker, MD (Turkey)
- 2017 Cephalosporin-Induced DRESS (Drug Rash with Eosinophilia and Systemic Symptoms) Syndrome in a 7-Year-Old Boy | <u>Heejeong Kang, MD</u> (Korea), Taek-Ki Min, MD, PhD (Korea), Hyeon-Jong Yang, MD, PhD (Korea) and Bok-Yang Pyun, MD, PhD (Korea)
- Oral Provocation Test in Non-Steroidal Anti-Inflammatory Drug Hypersensitive Patients Referred to Singapore General Hospital | *Tze Chin Tan, MD, MRCP (Singapore), Yong Yeow Chong, MBBS, MRCP, MMed, FAMS (Singapore) and Chaw Su Naing, MBBS, MRCP, MSc (Singapore)*
- 2019 A Case of Trimebutine-Induced Morbilliform Skin Eruption | Gyeong Yul Park, MD (Korea) and Hyun-Sun Yoon, MD, PhD (Korea)
- Neutropenia Induced by Intravenous Immunoglobulin | <u>Young-Hee Nam, MD (Korea)</u>, Dong Sub Jeon, MD (Korea), Hee-Joo Nam (Korea), Yeo Myeong Noh (Korea), Sang Hee Kim Kim (Korea), Ye Suel Park (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- DRESS Syndrome with Acute Interstitial Nephritis Caused by Quinolone and Nonsteroidal Anti-Inflammatory Drugs | <u>Young-Hee Nam, MD</u> (<u>Korea</u>), Soo Jin Kim, MD (Korea), Ji Young Juong, MD (Korea), Eun Young Kim, MD (Korea), Su Mi Lee, MD (Korea), Young Ki Son, MD (Korea), Hee-Joo Nam (Korea), Ki-Ho Kim, MD (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- 2022 Stevens-Johnson Syndrome Caused by Methotrexate in the Treatment of Psoriasis | <u>Young-Hee Nam, MD (Korea)</u>, Dong Sub Jeon, MD (Korea), Hee-Joo Nam (Korea), Yeo Myeong Noh (Korea), Sang Hee Kim Kim (Korea), Ye Suel Park (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- A Clinical Comparison of Drug Reaction with Eosinophilia and Systemic Symptoms Syndrome in a Single Tertiary Hospital in Korea | <u>Young-Hee Nam, MD (Korea)</u>, Dong Sub Jeon, MD (Korea), Hee-Joo Nam (Korea), Yeo Myeong Noh (Korea), Sang Hee Kim Kim (Korea), Ye Suel Park (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- Clinical Features of Immediate Hypersensitivity to Histamine H2 Antagonists and Their Cross Reactivity | <u>Chan-Sun Park, MD (Korea)</u>, Young-Hee Nam, MD (Korea), Mi Yeoung Kim, MD (Korea) and Gil-Soon Choi, MD (Korea)

Ji-Hun Mo (Korea)

- Two-Step Prescreening Skin Testing May Be Useful for Reducing Immediate Hypersensitivity Reaction to Nonionic Contrast Media: Results of 7-Year Period in a Secondary Hospital | <u>Bo Bae Park (Korea)</u>, In Young Nho (Korea), Chang-Han Park (Korea), Jang Min Kim (Korea) and Suk-Il Chang (Korea)
- 12:30 13:30 POS 2-2: Rhinitis, Rhinosinusitis, Ocular Allergies and Comorbidities Hall D Pre-Function Chairpersons: Seok Hyun Cho (Korea), Wang De Yun (Korea), Wang Xue Yan (Korea), Hongfei Lou (China), Sung Wan Kim (Korea), Hye-Ryun Kang (Korea),
 - Anti-Allergic Effect of Anti-IL-33 by Suppression of Immunoglobulin Light Chain and Inducible Nitric Oxide Synthase | *Tae Young Jang, MD, PhD (Korea), Chang-Shin Park, PhD (Korea), Tae-Suk Kyung, MD (Korea), Seung-Chan Yang, MD (Korea), Min-Jeong Heo, MS (Korea), Ah-Yeoun Jung, MS (Korea) and Young Hyo Kim, MD, PhD (Korea)*
 - Sublingual Immunotherapy in Elderly Rhinitis Patients Sensitized to House Dust Mites | <u>Ji Hye Kim, MD (Korea)</u>, Daehong Seo, MD (Korea), Young Min Ye, MD, PhD (Korea), Jae-Hyun Lee, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Yoo Seob Shin, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
 - The Effects of Antihistamine Drugs on on-Road Driving Performance | <u>Aurora van De Loo (Netherlands)</u>, Johan Garssen (Netherlands) and Joris Verster (Netherlands)
 - **2029** Newly Allergic Rhinitis Classification Danyoung Classification | <u>Chang, Brian Sun-Ho, MD PhD (Korea)</u>
 - Quality of Life of Chronic Rhinosinusitis Patients with or without Nasal Polyps in Korea | <u>Soo Whan Kim, MD (Korea)</u> and Do Hyun Kim, MD (Korea)
 - Effect of Thymic Stromal Lymphopoietin on MUC5B Expression in Human Airway Epithelial Cells | Hyung Gyun NA, MD (Korea), Chang Hoon Bae, MD, PhD (Korea), Si-Youn Song, MD, PhD (Korea), Yoon Seok Choi, MD, PhD (Korea) and Yong-Dae Kim, MD, PhD (Korea)
 - 2032 Danyoung Classification 2015 Update by Digital HD Endoscopic Evaluation | Chang, Brian Sun-Ho, MD PhD (Korea)
 - 2033 IFN-Gamma Contributes to Nasal Polypogenesis by Inducing Epithelial-to-Mesenchymal Transition via Non-SMAD Pathway | Mingyu Lee, BS (Korea), Roza Khalmuratova, MD, PhD (Korea), Dae Woo Kim, MD, PhD (Korea) and Hyun-Woo Shin, MD, PhD (Korea)
 - **2034** Ocular Symptoms of Cedar Pollinosis in Otolaryngology Patients | <u>Yukiyoshi Hyo (Japan)</u> and Tamotsu Harada (Korea)
 - Different Levels in Rantes, IL-5 and TNF- α between the Nasal Polyps of Adolescents with Allergic, Local Allergic and Non-Allergic Rhinitis | <u>Ha-Na Kang, MD (Korea)</u> and Jae-Won Oh, MD, PhD, FAAAAI (Korea)
 - Aggravation of Airway Inflammation and Hypperresponsiveness Following Nasal Challenge with Dermatophagoides Pteronyssinus in Perennial Allergic Rhinitis Patients without Symptoms of Asthma | <u>Wan Jun Wang (China)</u>, Mo Xian (China), Yan Qing Xie (China), Jing Ping Zheng, PhD, MD (China) and Jing Li, MD (China)
 - Periostin Is a Novel Biomarker in Eosinophilic Nasal Polyps of Chronic Rhinosinusitis | <u>Dong-Kyu Kim, MD (Korea)</u>, Seung-No Hong (Korea), Kyoung Mi Eun (Korea), Hong Ryul Jin, MD, PhD (Korea) and Dae Woo Kim, MD, PhD (Korea)
 - Prevalence of Allergic Sensitization in Patients with Allergy Rhinitis; Gwangju, Jeonnam State Study | <u>Sun Kyung Kim, MD (Korea)</u>, Hyung Chae Yang, MD (Korea) and Kwang Il Nam, MD, PhD (Korea)
 - The Role of TRPV1 in CD4+ T Cell Mediated Inflammatory Response of Allergic Rhinitis | <u>Ji-Hun Mo, MD, PhD (Korea)</u>, Ramachandran Samivel, PhD (Korea), Eun-Hee Kim (Korea), Ji-Hye Kim (Korea), Jun-Sang Bae, PhD (Korea), Young-Jun Chung, MD, PhD (Korea) and Dae Woo Kim, MD, PhD (Korea)
 - Immune Suppressive Effects of Tonsil-Derived Mesenchymal Stem Cells for Eosinophilic Rhinosinusitis with Nasal Polyps in a Mouse Model | <u>Jun-Sang Bae, PhD (Korea)</u>, Ramachandran Samivel, PhD (Korea), Eun-Hee Kim (Korea), Ji-Hye Kim (Korea), Ji-Hun Mo, MD, PhD (Korea)
 - Nitric Oxide as a Screening Tool for Evaluation of Postoperative State of Chronic Rhinosinusitis | <u>Jae Hoon Lee, MD (Korea)</u> and Woo Yong Bae, MD, PhD (Korea)
 - **2042** Roles of ADAM10 and ADAM17 in Allergic Rhinitis | <u>Ji Won Seo, MD (Korea)</u>, Jae Hoon Lee, MD (Korea) and Woo Yong Bae, MD, PhD (Korea)
 - Nasal Provocation Test is Useful for the Diagnoses of Allergic, Non- Allergic, and Local Allergic Rhinitis | *Tae Young Jang, MD, PhD (Korea), Young-Joo Ko, MD (Korea), Dae-Young Kim, MD (Korea) and Young Hyo Kim, MD, PhD (Korea)*
 - 2044 Effect of the Production of Extracellular Matrix from Nasal Fibroblasts by Eosinophils Activated with Airborne Fungi | <u>Seung-Heon Shin, MD, PhD</u> (<u>Korea</u>), Mi-Kyung Ye, MD, PhD (Korea) and Jeong-Kyu Kim, MD, PhD (Korea)
 - 2045 Micronized Cellulose Powder Reduces the Dose of Locally Applied Glucocorticoids in Patients with Allergic Rhinitis | Xueyan Wang (China)
 - Evaluation of Aspirin Hypersensitivity in Chronic Rhinosinusitis Patients | <u>Tae Kyung Koh, MD (Korea)</u>, Sung-Hwa Dong, MD (Korea), Young Seok Byun, MD (Korea), Chul Kwon, MD (Korea), Kun Hee Lee, MD, PhD (Korea), Sung Wan Kim, MD, PhD (Korea) and Joong-Saeng Jo, MD, PhD (Korea)
 - 2047 Chronic Cough without Wheezing in Young Children as a Manifestation of Chronic Sinusitis | <u>Charles Song, MD (United States)</u> and Andrew Wong (United States)
 - Comparison of Clinical Characteristics, Quality of Life and Sleep in Patients with Allergic Rhinitis When Categorised as "Sneezers and Runners" and "Blockers" | Kamal Gera, MBBS (India), Ashok Shah, MD (India) and Ashok Shah, MD (India)
 - Anti-Allergic Effect of Intralymphatic Injection of OVA-Flagelin Mixture in Mouse Model of Allergic Rhinitis | <u>Eun-Hee Kim (Korea)</u>, Ji-Hye Kim (Korea), Young-Jun Chung, MD, PhD (Korea) and Ji-Hun Mo, MD, PhD (Korea)
 - Increased Expression of Filaggrin, TSLP, Periostin, IL13 and IL-33 in Nasal Polyps | <u>Liang Zhang, MD (Japan)</u>, Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan), So Watanabe, MD, PhD (Japan), Manabu Nonaka, MD, PhD (Japan), Miyuki Hayashi, MD, PhD (Japan), Shingo Yamanishi, MD, PhD (Japan), Harumi Suzaki, MD, PhD (Japan), Hitome Kobayashi, MD, PhD (Japan) and Yasuhiko Itoh, MD, PhD (Japan)

- Rupatadine Pharmacokinetics in Japanese Healthy Volunteers after Single and Repeated Oral Doses of 10, 20 and 40 mg | <u>Iñaki Izquierdo</u>

 <u>Pulido (Spain)</u>, Eva Santamaria Masdeu (Spain), Jorg Taubel (England) and Georg Ferber (Switzerland)
- Inhibition of Allergic Response by Intranasal Topical Selective Nuclear Factor-Kappa B Inhibitor in Murine Model of Allergic Rhinitis | <u>Jee Hye Wee</u> (Korea), Yu-Lian Zhang (Korea), Chae-Seo Rhee, MD, PhD (Korea) and Dong-Young Kim, MD, PhD (Korea)
- Changes in Skin Prick Test Results Over 3 Years in School-Aged Children | Hahn Jin Jung (Korea), Jaehyun Lim (Korea), Seung-No Hong (Korea), Doo-Hee Han (Korea) and Chae-Seo Rhee, MD, PhD (Korea)
- **2054** Effect of Administration of Oral Steroids on T-Cells in Patients with Chronic Rhinosinusitis | <u>So Watanabe, MD, PhD (Japan)</u>, Yuta Soma, MD (Japan), Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan), Harumi Suzaki, MD, PhD (Japan) and Hitome Kobayashi, MD, PhD (Japan)
- Der p 1, Der p 2 and Der p 10 IgE Reactivities in Allergic Rhinitis Patients in Korea | Kyu Young Choi, MD (Korea) and Dong-Young Kim, MD, PhD (Korea)
- The Role of Neurotrophin in a Murine Model of House Dust Mite Induced Allergic Rhinitis | <u>Pei-Chi Chen, MS (Taiwan)</u> and Jiu-Yao Wang, MD, PhD (Taiwan)
- The Roles of Type 2 Innate Lymphoid Cells (ILC2) in Chronic Rhinosinusitis (CRS) | <u>Keisuke Uno (Japan)</u>, Yoshinori Matsuwaki (Japan), Kazuhiro Omura (Japan), Eika Hayashi (Japan), Norifumi Tatsumi, PhD (Japan), Nobuyoshi Otori (Japan), Hiromi Kojima (Japan) and Hirohito Kita, MD (United States)
- 2058 Pirfenidone Inhibits TGF-b1-Induced Extracellular Matrix Production in Nasal Polyp-Derived Fibroblasts | <u>Jae-Min Shin, MD (Korea)</u>, Il-Ho Parh, MD, PhD (Korea) and Heuna-Man Lee, MD, PhD (Korea)
- The Effect of Korean Red Ginseng (KRG) on Rhinovirus Infection in Human Nasal Epithelial Cells | <u>Joo Hyun Jung, MD, PhD (Korea)</u>, Il Gyu Kang, MD, PhD (Korea), Seon Tae Kim, MD, PhD (Korea), Hyoungmin Park (Korea) and Joo Hyun Jung, MD, PhD (Korea)
- 2060 Corticosteroid Nasal Irrigations after Endoscopic Sinus Surgery in the Management of Chronic Rhinosinusitis with Asthma | <u>Jin Hyeok Jeong</u>, <u>MD</u>, <u>PhD</u> (<u>Korea</u>), <u>Tae Wook Kang</u>, <u>MD</u> (<u>Korea</u>), <u>Han Seok Yoo</u>, <u>MD</u> (<u>Korea</u>), <u>Yong Hee Cho</u>, <u>MD</u> (<u>Korea</u>), <u>Seok Hyun Cho</u>, <u>MD</u>, <u>PhD</u> (<u>Korea</u>) and <u>Kyung Rae Kim</u>, <u>MD</u>, <u>PhD</u> (<u>Korea</u>)
- The Effect of Korean Red Ginseng on the Symptoms and Allergic Inflammation in Patients with Allergic Rhinitis | Joo Hyun Jung, MD, PhD (Korea), Seon Tae Kim, MD, PhD (Korea), Il Gyu Kang, MD, PhD (Korea), Hyoungmin Park (Korea), Kwang-Pil Ko, MD, PhD (Korea) and Seon Tae Kim, MD, PhD (Korea)
- Effects of Vitamin D in Patients with Chronic Rhinosinusitis | <u>Yuta Soma, MD (Japan)</u>, So Watanabe, MD, PhD (Japan), Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan), Harumi Suzaki, MD, PhD (Japan) and Hitome Kobayashi, MD, Ph.D (Japan)
- Assessment of Symptoms Severities of Allergic Rhinitis Patients Sensitive to Multiple Allergens in Skin Prick Test | Geun Jeon Kim, MD (Korea), Jae Hyung Hwang (Korea), Jin Bu Ha (Korea), <u>Dong Chang Lee (Korea)</u> and Su Hee Jeong (Korea)
- 2064 Availability of Preoperative Systemic Steroids on Endoscopic Sinus Surgery for Chronic Rhinosinusitis with Nasal Polyposis | <u>Seok Jin Hong, MD, PhD (Korea)</u> and Kyung Chul Lee, MD, PhD (Korea)
- Validation of Montelukast and Levocetirizine Combination Tablet versus Individual Tablets in the Treatment of Moderate to Severe Persistent Allergic Rhinitis among Adult Filipinos Seen at the Philippine General Hospital-Outpatient Department | Michelle Buela, MD (Philippines)
- Serum Levels Specific IgE to Toxic Shock Syndrome Toxin Type 1 in Eosinophilic Chronic Rhinosinusitis with Nasal Polyp in Korean | <u>Jongin Jeong, MD (Korea)</u>, Sang Duk Hong, MD (Korea), Sujin KIM, MD (Korea), Hyo Yeol Kim, MD, PhD (Korea), Hun Jong Dhong, MD, PhD (Korea) and Seung Kyu Chung, MD (Korea)
- Spectrum of Allergens Causing Allergic Rhinitis and Asthma in Urban Bangalore, India A Study of 120 Patients | <u>Jacqueline Elizabeth Joseph</u>, <u>ENT (India)</u>, Soumya, MS, ENT (India), Harshitha Kumar, ENT (India) and Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan)
- Skin Prick Test Reactivity to Common Pollen Aeroallergens in Patients with Allergic Rhinitis In Urban Bangalore, India | <u>Harshitha Kumar, ENT</u> (<u>India</u>), Soumya, MS, ENT (India), Jacqueline Elizabeth Joseph, ENT (India) and Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan)
- Diagnostic Value of Serum Total IgE and Prediction of Cut-Off Value to Recommend Mast in Allergic Rhinitis | <u>Hyung Chae Yang, MD (Korea)</u>, Sun Kyung Kim, MD (Korea) and Kwang Il Nam, MD, PhD (Korea)
- Effectiveness of Air Filters Intervention in Allergic Rhinitis | <u>Jiaying Luo (China)</u>, Xiao Lan (China), Zhao Chen (China), Shimin Li (China), Jiaqing Hu (China), Guiyuan Sun (China) and Baoqing Sun, MD (China)
- The Power of Allergen Specific Ig E in the Classification of Rhinitis, Korean National Hanes 2010 | <u>Seung Kyu Chung, MD (Korea)</u>, Sujin Kim, MD (Korea), Sang Duk Hong, MD (Korea), Hyo Yeol Kim, MD, PhD (Korea), Hun Jong Dhong, MD, PhD (Korea) and Jong in Jeong, MD (Korea)
- 2072 Complementary and Alternative Medicine for Allergic Rhinitis in Japan | <u>Syuji Yonekura, MD, PhD (Japan)</u> and Yoshitaka Okamoto, MD, PhD (Japan)

12:30 – 13:30 POS 2-3: Food Allergy Hall D Pre-Function

- Chairpersons: Bee Wah Lee (Singapore), Hyunhee Kim (Korea), Hugh Sampson (United States), Alessandro Fiocchi (Vatican City), Christina West (Sweden)
- **2073** Wheat Allergy is Difficult to Diagnose than Other Food Allergens | Suman Kumar, MD (India)
- Oral Exposure to the Amino Acid Glycine Inhibits the Onset of Allergic Disorders | <u>Anita Hartog, PhD (Netherlands)</u>, Reinilde Loonstra (Netherlands), Jacqueline Bastiaans (Netherlands), Lieke Rutten (Netherlands), Lucien Harthoorn, PhD (Netherlands), Johan Garssen, MD, PhD (Netherlands) and Jeroen Van Bergenhenegouwen, PhD (Netherlands)
- Effectiveness of Allergy-Test Directed Elimination Diets in Eosinophilic Esophagitis | Jason Kangeun Ko, BSc (Canada), David JT Huang, MD (Canada) and Jorge A Mazza, MD (Canada)

- Follow-up Study on the Natural History of Prawn Allergy | <u>Lydia Wong, MBBS (Singapore)</u>, Gaik Chin Yap (Singapore), Genevieve Llanora, MD (Singapore), Bernard Thong, MBBS, FRCP (Singapore), Lynette Shek, MBBS, MRCPCH (Singapore) and Bee Wah Lee, MD (Singapore)
- Comparison of Cut-Off Values and Probability Curves for Egg Specific IgE in Diagnosis of Egg Allergy in Young Children | <u>Kanae Furuya, MD</u> (<u>Japan</u>), Takahiro Ito, MD (Japan), Yu Kuwahara, MD (Japan), Junya Hirayama, MD (Japan), Keigo Kainuma, MD (Japan), Mizuho Nagao, MD, PhD (Japan) and Takao Fujisawa, MD, PhD (Japan)
- **2078** The Use of Aeroallergen Immunotherapy to Treat Eosinophilic Esophagitis | <u>Muhammad Imran, MD (United States)</u>
- A Case of Occupational Asthma and Rhinitis with Anaphylaxis to Korean Ginseng and Sanyak | <u>Ji Hye Kim, MD (Korea)</u>, Hye-Soo Yoo, M.D (Korea), Moon Gyeong Yoon, MS (Korea), Ga Young Ban, MD (Korea), Yoo Seob Shin, MD, PhD (Korea), Young Min Ye, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- Occurrence and Physiological Function of Immune Complexes of Food Proteins and IgA in Human Saliva | *Junko Hirose, PhD (Japan), Kumiko Kizu, PhD (Japan), Ayu Matsunaga (Japan) and <u>Hiroshi Narita, PhD (Japan)</u>*
- Analysis of 71 Cashew Nut Oral Challenge Tests | <u>Takashi Inoue, MD (Japan)</u>, Kiyotake Ogura, MD (Japan), Noriyuki Yanagida, MD (Japan), Kenichi Nagakura, MD (Japan), Tomoyuki Asaumi, MD (Japan), Yu Okada, MD (Japan), Hirotoshi Unno, MD, PhD (Japan), Tetsuharu Manabe, MD (Japan), Sakura Sato, MD (Japan), and Motohiro Ebisawa, MD, PhD (Japan)
- Food Allergy with Eczema Is Associated with Reduced Growth in the First Four Years of Life | Cara Beck, PhD (Australia), Jennifer Koplin, PhD (Australia), Melanie Matheson, PhD (Australia), Mimi Tang, MBBS, PhD, FRACP, FRCPA (Australia), Anne-Louise Ponsonby, MBBS, FAFPHM, PhD (Australia), Lyle Gurrin, PhD (Australia), Shyamali Dharmage, MD, PhD (Australia), Melissa Wake, MD, FRACP (Australia) and Vicki Mcwilliam, BSc, MND (Australia)
 - Individuals Allergic to Cow's Milk Should be Vigilant when Consuming Beef because It May Be Injected Beef | <u>Shigeyuki Narabayashi, MD</u> (<u>Japan</u>), Ikuo Okafuji, MD, PhD (Japan), Yuya Tanaka, MD (Japan), Satoru Tsuruta, MD, PhD (Japan) and Nobue Takamatsu, PhD (Japan)
 - Allergenicity Assessment of Hydrolysed Infant Formula; A Multicenter Comparison of a Mouse Model and a Guinea Pig Model for Cow's Milk Allergy | Betty C.a.m. Van Esch (Netherlands), Jolanda Van Bilsen, PhD (Netherlands), Prescilla V. Jeurink (Netherlands), Marjan Gros (Netherlands), Johan Garssen, MD, PhD (Netherlands), Joost J Smit, PhD (Netherlands), Raymond H.H. Pieters (Netherlands) and Leon Knippels, PhD (Netherlands)
 - Trends in Oral Food Challenges in Japan: A Six-Year Prospective Study | Noriyuki Yanagida, MD (Japan), Sakura Sato, MD (Japan), Chizuko Sugizaki (Japan) and Motohiro Ebisawa, MD, PhD (Japan)
 - Regional Differences of Vitamin D and Food-Induced Anaphylaxis in Korea | <u>Si-Heon Kim, MD (Korea)</u>, Gil-Soon Choi, MD (Korea), Su-Chin Kim (Korea), Ji Hye Kim, MD (Korea), Ga Young Ban, MD (Korea), Yoo Seob Shin, MD, PhD (Korea), Hae-Sim Park, MD, PhD (Korea) and Young Min Ye, MD, PhD (Korea)
 - Allergic Sensitization to Whey in Mice Is Facilitated by the Mycotoxin Deoxynivalenol (DON) | Marianne Bol-Schoenmakers (Netherlands), Saskia Braber (Netherlands), Peyman Akbari (Netherlands), Prescilla V. Jeurink (Netherlands), Priscilla De Graaff (Netherlands), Joost J. Smit (Netherlands), Betty C.a.m. Van Esch (Netherlands), Johan Garssen (Netherlands), Johanna Fink-Gremmels (Netherlands) and Raymond H.H. Pieters (Netherlands)
 - The Analysis of Risk Factors and Features of Food Allergy in Korean Children: Nationwide Cross-Sectional Survey | <u>Kun Song Lee, MD (Korea)</u>, Seung Ho Lee (Korea), Yoo-Mi Chae (Korea) and Ho Jang Kwon (Korea)
 - **2090** A Case of Surgical Diagnosed Eosinophilic Enteritis with Intussusception in Adult Patient | Sang-Rok Lee, MD, PhD (Korea)
 - Case Report of Near-Fatal Asthma Due to Snail Allergy in a House Dust Mite-Allergic Adult | <u>Jean-Pierre L'huillier, MD (France)</u>, Jean-Eric Autegarden, MD (France), Catherine Bertrand, MD (France) and Dominique Tardy (France)
 - A Safe and Effective Method to Desensitize Patients with Wheat Allergy | <u>Alireza Khayatzadeh, MD (Iran)</u>, Masoud Movahedi, MD (Iran), Mohammad Gharagozlou, MD (Iran) and Motohiro Ebisawa, MD, PhD (Japan)
 - Spectrum of Anaphylaxis in Children and Adults at Emergency Departments in Singapore | <u>Si Hui Goh, MRCPCH, MBBS (Singapore)</u>, Bee Wah Lee, MD (Singapore) and Jian Yi Soh, MRCPCH (Singapore)
 - Etiology and Clinical Feature of Oral Allergy Syndrome in Children | Young A Park, MD (Korea), Kyunguk Jeong, MD (Korea), Yoon Hee Kim, MD (Korea), In Suk Sol, MD (Korea), Seo Hee Yoon, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea), Sooyoung Lee, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)
 - A Variant of Interleukine-13 (IL13) Gene Is Associated with Food Allergy in the Japanese Population | <u>Tomomitsu Hirota, PhD (Japan)</u>, Mayumi Tamari, MD, PhD (Japan), Motohiro Ebisawa, MD, PhD (Japan), Sakura Sato, MD (Japan), Takanori Imai, MD (Japan), Teruaki Matsui (Japan), Komei Ito (Japan), Satoru Doi (Japan) and Noriyuki Yanagida, MD (Japan)
 - An Analysis of 145 Oral Almond Challenge Tests | <u>Makoto Nisihinom, MD (Japan)</u>, Yu Okada, MD (Japan), Noriyuki Yanagida, MD (Japan), Kenichi Nagakura, MD (Japan), Tomoyuki Asaumi, MD (Japan), Hirotoshi Unno, MD, PhD (Japan), Tetsuharu Manabe, MD (Japan), Kiyotake Oqura, MD (Japan), Sakura Sato, MD (Japan) and Motohiro Ebisawa, MD, PhD (Japan)
 - The Gut Microbiome in the Food Allergic Host | <u>Jamie Kiehm, MD (United States)</u>, Punita Ponda, MD (United States), Cristina Sison, PhD (United States), Sherry Farzan, MD (United States), Jared Weiss (United States), Claudia Elera (United States), Catherine Destio (United States) and Annette Lee, PhD (United States)
 - Component-Specific IgE and IgG4 Levels in Milk Allergy Children Tolerated Baked Milk Products | Osamu Higuchi, MD (Japan), Toshiko Itazawa, MD, PhD (Japan), Yoko Adachi, MD, PhD (Japan), Miki Hamamichi, MD (Japan), Motokazu Nakabayashi, MD, PhD (Japan), Yasunori Ito, MD, PhD (Japan), Takuya Wada, MD (Japan), Miki Takao, MD (Japan), Junko Yamamoto, MD (Japan), Gyoukei Murakami, MD, PhD (Japan), Yu-Ichi Adachi, MD, PhD (Japan) and Yu-Ichi Adachi, MD, PhD (Japan)

- Clinical Characteristics of Anaphylaxis in Korean Children | <u>Taek-Ki Min, MD, PhD (Korea)</u>, Kangmo Ahn, MD, PhD (Korea), Jihyun Kim, MD (Korea), So-Yeon Lee, MD (Korea), Gwang-Cheon Jang, MD, PhD (Korea), Hyeon-Jong Yang, MD, PhD (Korea), Bok-Yang Pyun, MD, PhD (Korea), Ji-Won Kwon, MD (Korea), Myung Hyun Sohn, MD, PhD (Korea), Kyu-Earn Kim, MD, PhD (Korea), Jinho Yu, MD, PhD (Korea), Soo-Jong Hong, MD, PhD (Korea), Jung Hyun Kwon, MD (Korea), Sung-Won Kim (Korea), Tae-Won Song, MD (Korea), Woo Kyung Kim (Kroea), Hyung Young Kim, MD (Korea), Youhoon Jeon, MD, PhD (Korea), Yong Ju Lee, MD (Korea), Hae Ran Lee, MD, PhD (Korea), Hye-Young Kim (Korea), Youngmin Ahn (Korea), Hye-Yung Yum, MD, PhD (Korea), Dongin Suh, MD (Korea), Hyun Hee Kim, MD (Korea), Jin Tack Kim, MD (Korea), Jeong Hee Kim, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Yong Mean Park, MD, PhD (Korea) and Sooyoung Lee, MD, PhD (Korea)
- The Prevalence of Parent-Perceived Food Hypersensitivity in Pre-School Children Attending a Tertiary Care Hospital in Malaysia | Faizah Mohamed Jamli, MD (Malaysia)
- Analysis of IgE Binding Components of Walnut in Korean Children Effect of Cooking Methods on the Allergenicity of Walnut Proteins | <u>Jeongmin</u> <u>Lee, MD (Korea)</u>, Kyunguk Jeong, MD (Korea), Se-Ah Jeon (Korea) and Sooyoung Lee, MD, PhD (Korea)
- IgE-Mediated Maize Allergy in India: A 28 kd Protein Responsible for Food-Induced Allergic Reaction | <u>Anand Bahadur Singh, PhD (India)</u>, Chandni Mathur (India) and Dr. Pooran Chand Kathuria (India)
- Clinical Manifestation and Treatment Outcome of Eosinophilic Gastroenteritis in Korean Children | Jong Sub Choi, MD (Korea), Shin Jie Choi, MD (Korea), Kyung Jae Lee, MD (Korea), Won Im Cho, MD (Korea), Gyeong Hoon Kang, MD (Korea), Dongin Suh, MD (Korea), Jin Soo Moon, MD (Korea) and Jae Sung Ko, MD (Korea)
- Analyses of the Factors Behind the Negative Attitudes toward the Administration of Adrenaline Auto-Injectors in School Settings | <u>Ikuo Okafuji</u>, <u>MD, PhD (Japan)</u>, Yuya Tanaka, MD (Japan), Shegeyuki Narabayashi, MD (Japan) and Satoru Tsuruta, MD, PhD (Japan)
- 2105 Initial Antigen-Specific IgE Levels Predict Clinical Outcome of Rush Oral Immunotherapy for Food Anaphylaxis | <u>Sakura Sato, MD (Japan)</u>, Noriyuki Yanagida, MD (Japan) and Motohiro Ebisawa, MD, PhD (Japan)
- Prevalence of Food Sensitization, IgE-Mediated and Non-IgE-Mediated Food Allergy among Pediatric Patients Diagnosed with Autism Spectrum Disorders | Aimee Lou Manalo Nano, MD (Philippines)
- Anaphylaxis in Korean Children, 2009-2013: Triggers of Anaphylaxis by Age Groups | So-Yeon Lee, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Jihyun Kim, MD (Korea), Gwang-Cheon Jang, MD, PhD (Korea), Taek-Ki Min, MD, PhD (Korea), Hyeon-Jong Yang, MD, PhD (Korea), Bok-Yang Pyun, MD, PhD (Korea), Ji-Won Kwon, MD (Korea), Myung Hyun Sohn, MD, PhD (Korea), Kyu-Earn Kim, MD, PhD (Korea), Jinho Yu, MD, PhD (Korea), Soo-Jong Hong, MD, PhD (Korea), Jung-Hyun Kwon (Korea), Sung-Won Kim (Korea), Tae-Won Song, MD (Korea), Woo Kyung Kim (Korea), Hyung Young Kim, MD (Korea), Hye-Young Kim (Korea), Youhoon Jeon, MD, PhD (Korea), Yong Ju Lee, MD (Korea), Hae Ran Lee, MD, PhD (Korea), Youngmin Ahn (Korea), Hye-Yung Yum, MD, PhD (Korea), Dongin Suh, MD (Korea), Hyun Hee Kim, MD (Korea), Jin Tack Kim, MD (Korea), Jeong Hee Kim, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Yong Mean Park, MD, PhD (Korea) and Sooyoung Lee, MD, PhD (Korea)
- 2108 Adult Patients' Views on the Design of Adrenaline Autoinjectors | Clare Brown (United Kingdom), Christina Jones (United Kingdom), Mark Davies (United Kingdom) and Helen Smith (United Kingdom)
- Two Case Reports of Eosinophilic Gastroenteritis Associated with Allergic Disease | <u>Do Hyeong Lee, MD (Korea)</u>, Han Su Park, MD (Korea), Hee-Kyoo Kim, MD (Korea) and Gil-Soon Choi, MD (Korea)
- 2110 Clinical Features of Systemic Contact Dermatitis from Ingestion of Rhus | <u>Young-Hee Nam, MD (Korea)</u>, Chansun Park, MD (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- 2111 Utility of Alpha-Lactalbumin Specific IgE Levels Using Immulite 2000 3gAllergy in Predicting Clinical Severity of Milk Allergy | <u>Kazuyo Kuzume</u>, <u>MD (Japan)</u>, Munemitsu Koizumi, MD (Japan), Koji Nishimura, MD (Japan) and Michiko Okamoto (Japan)
- Soybean Storage Proteins as the Main Allergen in a Patient with Food-Dependent Exercise-Induced Anaphylaxis Due to Tofu | Miyuki Hayashi, MD, PhD (Japan), Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan), Shingo Yamanishi, MD, P.D (Japan), Toru Igarashi, MD, PhD (Japan) and Yasuhiko Itoh, MD, PhD (Japan)
- The Beneficial Effect of Lactobacillus Gasseri PM-A0005 and Its Immunoregulatory Protein PMA5P40 on Milk-Induced Allergic Enteritis | <u>Yung-I Hou (Taiwan)</u> and Jiu-Yao Wang, MD, PhD (Taiwan)
- **2114** Two Cases of Prawn Allergy in Adult Patients | *Ismet Bulut, MD (Turkey) and Zeynep Ferhan Ozseker, MD (Turkey)*
- 2115 Allergen Sensitization in Zimbabwean Children with Atopic Dermatitis | <u>Jin-Kyong Chun, MD (Zimbabwe)</u>, Hilda Angela Mujuru, MD (Zimbabwe) and Elopy N Sibanda, MD (Zimbabwe)
- Usefulness of Specific IgE Antibody Levels to Wheat, Gluten and W-5 Gliadin for Wheat Allergy in Korean Children | <u>Jong-Seo Yoon, MD</u> (<u>Korea</u>), Kyunguk Jeong, MD (Korea), Hye-Soo Yoo, MD (Korea) and Sooyoung Lee, MD, PhD (Korea)
- A Pediatric Case of Food-Dependent Exercise-Induced Anaphylaxis Due to Spice Allergy | <u>Hisako Yagi, MD (Japan)</u>, Takumi Takizawa, MD, PhD (Japan), Harumi Koyama, MD, PhD (Japan), Yutaka Nishida, MD (Japan) and Hirokazu Arakawa, MD, PhD (Japan)
- A New Protocol for Wheat Oral Immunotherapy in Patients with Anaphylaxis | <u>Delara Babaie, MD (Iran)</u>, Zahra Chavoshzadeh, MD (Iran), Mohammad Nabavi, MD (Iran), Fariborz Zandieh (Iran), Mehrdad Amir Moini (Iran), Mehrnaz Mesdaghi, MD, PhD (Iran), Mohammad Hassan Bemanian (Iran), Hamideh Seifi (Iran) and Mitra Sahragard (Iran)
- Association between the Increasing Incidence of Peanut Allergies and Fagales Tree Pollen in Korea | Kyung Hee Park, MD (Korea), Junho Kim, MD (Korea), Hye Jung Park, MD (Kroea), Jae-Hyun Lee, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea) and Youngwoong Son, MD (Korea)

Abstracts receiving awards will be identified with 🎥 next to the Abstract Number.



- Anaphylaxis Caused By Gummy Jelly Ingestion: A Case Report | <u>Han Seok Cho (Korea)</u>, Min-Ju Kim (Korea), Keum Hee Hwang (Korea), Min Ji Kim (Korea), Young Ok Park (Korea), Hye Yeong Lee (Korea), Hee Seong Kim (Korea), Eun Lee, MD (Korea), Hyun-Ju Cho, MD (Korea), Jinho Yu, MD, PhD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- A Case of Multiple Food Allergies with Recurrent Anaphylaxis Successively Controlled By Omalizumab | Mi-Ae Kim, MD (Korea), Man Yong Han, MD (Korea), Hye Mi Jee, MD (Korea), Young-Ho Jung, MD (Korea), Kyung Suk Lee, MD, PhD (Korea) and Seung Jin Lee, MD (Korea)
- The Positive Distribution Characteristics of 90 Food Specific IgG in Patients with Allergic Diseases | <u>Huimin Huang, MD (China)</u>, Baoqing Sun, MD (China), Mingyu Bai (China), Yiting Huo (China), Peiyan Zhena, MD (China), Nili Wei (China) and Wenting Luo, MD (China)
- Asthma Impact on Children with Food Induced Anaphylaxis | <u>Chikako Motomura (Japan)</u>, Masatoshi Wakatsuki, MD (Japan), Yuko Akamine, MD (Japan), Mihoko Iwata, MD (Japan), Hiroshi Matsuzaki, MD (Japan), Naohiko Taba, MD (Japan), Yoko Murakami, MD (Japan) and Hiroshi Odajima, MD, PhD (Japan)
- Analysis of 68 Oral Walnut Challenge Tests | <u>Mikita Yamamoto, MD (Japan)</u>, Sakura Sato, MD (Japan), Noriyuki Yanagida, MD (Japan), Ayako Ogawa, MD (Japan), Kanako Ogura, MD (Japan), Kyohei Takahashi, MD (Japan), Kenichi Nagakura, MD (Japan), Shigehito Emura, MD (Japan), Tomoyuki Asaumi, MD (Japan), Yu Okada, MD (Japan), Katsuhito likura, MD, PhD (Japan) and Motohiro Ebisawa, MD, PhD (Japan)
- Clinical Features of Anaphylaxis Caused by Peanut, Tree Nuts and Seeds in Children and Adolescents: Multi-Center Study with 126 Patients | Kyunguk Jeong, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Jihyun Kim, MD (Korea), So-Yeon Lee, MD (Korea), Hae Ran Lee, MD, PhD (Korea), Youngmin Ahn (Korea), Dongin Suh, MD (Korea), Taek Ki Min, MD (Korea), Hyeon-Jong Yang, MD, PhD (Korea), Bok-Yang Pyun, MD, PhD (Korea), Ji-Won Kwon, MD (Korea), Kyu-Earn Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Tae Won Song, MD, PhD (Korea), Jung Hyun Kwon, MD (Korea), Youhoon Jeon, MD, PhD (Korea), Jeong Hee Kim, MD, PhD (Korea), Dae Hyun Lim, MD, PhD (Korea), Hyung Young Kim, MD (Korea) and Sooyoung Lee, MD, PhD (Korea)
- IgE Reactivity to Carbohydrate Moieties of Glycoproteins in Wheat Allergy | <u>Tae Won Song, MD, PhD (Korea)</u>, Jung Yeon Hong (Korea), Kyung Eun Lee, PhD (Korea), Mi Na Kim (Korea), Yoon Hee Kim, MD (Korea), Sooyoung Lee, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)
- A Report of Two Cases of Anaphylaxis Caused by Perilla Seed in Children | <u>Kyunguk Jeong, MD (Korea)</u>, Kyu Jung Park, MD (Korea), Byeong Sub Park, MD (Korea), Se-Ah Jeon (Korea) and Sooyoung Lee, MD, PhD (Korea)
- 2128 Comprehensive Assessment to Identify the Causative Factors in Oral Allergy Syndrome | <u>Emi Ono, MD (Japan)</u>, Sayaka Matsumura (Japan), Hiroyuki Murota, MD, PhD (Japan) and Ichiro Katayama, MD, PhD (Japan)
- Cow's Milk Oral Food Challenge: Clinical and Laboratory Features in Korean Children | <u>Kyunguk Jeong, MD (Korea)</u>, Byeong Sub Park, MD (Korea), Jeong-Min Lee, MD (Korea), Youngjoo Na, MD (Korea), Kyu Jung Park, MD (Korea), Eunjae Cheon, MD (Korea), Eunjoo Lee, MD (Korea) and Sooyoung Lee, MD, PhD (Korea)

12:30 – 13:30 POS 2-4: Air Pollution and Environmental Allergies

Hall D Pre-Function

Chairpersons: Gennaro D'Amato (Italy), Mario Zernotti (Argentina), Menachem Rottem (Israel), Jae-Won Oh (Korea)

- Yoga as a Lifestyle Modification to Improve the Quality of Life in Smokers with Allergic Rhinitis | <u>Chellaa R, MSc (India)</u>, Inbaraj G, ENT (India), Soumya MS, ENT (India) and Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan)
- Pollen Season and Climate Change in the Continental United States (CONUS) | <u>Leonard Bielory, MD (United States)</u>, Yong Zhang, PhD (United States), Wheat Mi (United States), Ting Cai (United States) and Panos Georgopoulos, PhD (United States)
- Incidence of Emergency Department Visits and Hospitalizations for Asthma Exacerbations during the Lunar Month in Singapore | Mohana Rajakulendran, MBBS, MRCPCH (Singapore), Haripriya Santhanam, MBBS, MRCPCH (Singapore), Lynette Shek, MBBS, MRCPCH (Singapore), Tow Keang Lim, MBBS, MMed, FAMS (Singapore) and Lydia Wong, MBBS (Singapore)
- 2133 Comparative Study of Pine, Oak, and Ginkgo Pollen Counts in Korea during Last Four Years | Mae Ja Han, MS (Korea), Jae-Won Oh, MD, PhD, FAAAAI (Korea), Kyu Rang Kim, PhD (Korea) and Baek-Jo Kim, PhD (Korea)
- Aeroallergenic Profile of Indoor Allergens and Their Clinical Relevance in Allergy and Asthma Patients in Saudi Arabia | <u>Syed Mohammed Hasnain, PhD, FACAAI, FAAAA (Saudi Arabia)</u> and Abdulrahman Al-Frayh, MD, FACAAI, FAAAAI (Saudi Arabia)
- The Identification of Morphology, Structure and Study of Seasonal Variation of Airborne Fraxinus Excelsior Pollen Grains in the Tehran | Maryam Sharifshoushtari, PhD Student (Iran), Ahmad Majd, PhD (Iran), Taher Nejadsattari, PhD (Iran), Zahra Pourpak (Iran), Mostafa Moin, MD (Iran) and Gholam Ali Kardar. PhD (Iran)
- Effect of Asian Dust Events on Asthma According to the Socioeconomic Status Using Claim Data in Korea | <u>Yoon-Sung Park (Korea)</u>, Jeong Hee Kim, MD, PhD (Korea), Jisun Park (Korea), Hae Ji Jang (Korea), Yoon-Hee Tae (Korea) and Dae Hyun Lim, MD, PhD (Korea)
- Betamethasone Suppresses Th2 Cell Development Induced by Langerhans Cell Like Dendritic Cells | <u>Katsuhiko Matsui, PhD (Japan)</u>, Saki Tamai (Japan) and Reiko Ikeda, PhD (Japan)
- The Fatty Acid Binding Protein Der p 13 Is a Minor House Dust Mite Allergen Able to Activate Innate Immunity | <u>Pattraporn Satitsuksanoa, PhD</u>
 (<u>Thailand</u>), Narissara Suratannon, MD (<u>Thailand</u>), Jongkonnee Wongpiyabovorn, MD, PhD (<u>Thailand</u>), Pantipa Chatchatee, MD (<u>Thailand</u>), Kiat Ruxrungtham (<u>Thailand</u>) and Alain Jacquet, PhD (<u>Thailand</u>)
- Bacteria Derived Extracellular Vesicles in Indoor Dust Is Closely Associated with Airway Disease and Lung Cancer: Analysis of Indoor Dust
 Microbiome and IgG Sensitization of Indoor Bacteria Derived Extracellular Vesicles | Sae-In Kim, MD (Korea), Do-Yeon Kim, MD (Korea), Han-Ki
 Park, MD (Korea), Mina Rho, PhD (Korea), Jun-Pyo Choi, PhD (Korea), Jun-Pyo Choi, PhD (Korea)
- Glucocorticoid Enhances Viability of Human Respiratory Epithelial Cells Inflicted by Ambient Particulate Matter | <u>Jae Hwan Kwon, MD, PhD</u>
 (Korea) and Gil-Soon Choi, MD (Korea)

- 2141 HLA Allele Frequencies in 5,802 Koreans: Varied Allele Types Associated with SJS/Ten According to Culprit Drugs | <u>Hye Jung Park, MD (Korea)</u>, Young Joo Kim, MD (Korea), Dong Hyun Kim, MD (Korea), Junho Kim, MD (Korea), Kyung Hee Park, MD (Korea), Jung-Won Park, MD, PhD (Korea) and Jae-Hyun Lee, MD, PhD (Korea)
- The Association between Air Pollution, Allergic Sensitization to Inhalant Allergens and Airway Hyperresponsiveness in Ulaanbaatar, Mongolia | Munkhbayarlakh Sonomjamts, PhD (Mongolia) and Bayar-Ulzii Batmunkh (Mongolia)
- The Association between Serum Lead Level and Total Immunoglobulin E According to Allergic Sensitization | <u>Yoo Suk Kim, MD (Korea)</u>, Jung Hyun Chang, MD (Korea), Jeong Hong Kim, MD (Korea) and Ju Wan Kang, MD (Korea)
- Dusty Air Pollution are Associated with an Increase Risk of Allergic Diseases in General Population | Mohammadkazem Gheiby, MD (Iran) and Shokrollah Farrokhi, MD, PhD (Iran)
- Exposure Profile of Indoor Risk Factors in Dwellings of Children with Atopic Dermatitis | <u>Hyunwook Lim, MD (Korea)</u>, Jun-Sik Park, MS (Korea), Byung Kwan Kim, MD (Korea), Sungchul Seo, PhD (Korea), Young Yoo, MD, PhD (Korea) and Ji Tae Choung, MD, PhD (Korea)
- Gestational Secondhand Smoke Exposure Could Affect Maternal n-Glycosylation and Cause Filaggrin Loss in Children with Atopic Dermatitis | <u>Galina Kuznecova (Latvia)</u> and Ivans Sergejs Kuznecovs, MD (Latvia)
- 2147 Inhalant Allergens on Soft Toys: A Literature Review | Francis FS Wu (Taiwan) and Robert Siebers (New Zealand)
- Volatile Organic Compounds and Airway Inflammation; Prospective Study | <u>Jae-Woo Kwon, MD (Korea)</u>, Yeji Cheong (Korea) and Man-Goo Kim, PhD (Korea)
- Regulatory Role of Progranulin in Cigarette Smoke Extract—Exposed Lung Epithelial Cells | <u>Kyoung Young Lee, BS (Korea)</u>, Sunjoo Park, PhD (Korea), Gyong Hwa Hong, BS (Korea), So Young Park, MD (Korea), Keun Ai Moon, MS (Korea), Eun Hee Ha, BS (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Tae-Bum Kim, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and You Sook Cho, MD, PhD (Korea)
- The Aeroallergen Sensitization Pattern and Effect on Airway Hyperresponsiveness in Busan, Korea | <u>Sun-Mi Jang, MD (Korea)</u>, Hae-Jung Na, MD (Korea), Seung-Eon Song, MD (Korea), Hye-Kyung Park, MD, PhD (Korea) and Eun-Jung Jo, MD (Korea)
- Aeropolinologic Monitoring and Distribution of Allergoallergens in Western Georgia | Revaz Sepiashvili, MD, PhD (Russia), Darejan Khachapuridze, PhD (Georgia), Sofio Gamkrelidze, PhD (Georgia) and Manana Chikhladze, PhD (Georgia)
- 2152 The Sensitization to *Russian Thistle* on Mongolian Patients | <u>Narantsetseg Logii, PhD (Mongolia)</u>
- The Effect of Surfactant Protein D in Acute Lung Injury and Pulmonary Fibrosis Induced by Bleomycin | *Jiu-Yao Wang, MD, PhD (Taiwan) and Hsu Han Yin (Taiwan)*
- Periostin Levels in Exhaled Breath Condensate of Competitive Athletes, Asthmatics and Healthy Subjects Associations with Outdoor Ambient Conditions | Marcin Kurowski, MD, PhD (Poland), Janusz Jurczyk, MD (Poland), Marzanna Jarzebska, MSc (Poland), Aleksandra Wardzynska, MD, PhD (Poland), Hubert Krysztofiak, MD, PhD (Poland) and Marek L. Kowalski, MD, PhD (Poland)
 - Prenatal Fine Particulate Matter Affects Wheezing in Children with TLR4 Polymorphism: Cocoa Study | <u>Song-I Yang, MD (Korea)</u>, Eun Lee, MD (Korea), Hyun-Ju Cho, MD (Korea), Young-Ho Kim, MD (Korea), Mi-Jin Kang, MS (Korea), Yean Jung Choi, PhD (Korea), Kil Yong Choi, MS (Korea), Eun-Ji Ahn, MD (Korea), Youn Ho Shin, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Dongin Suh, MD (Korea), Byoung-Ju Kim, MD (United States), So-Yeon Lee, MD (Korea), Eun-Jin Kim, PhD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
 - **2156** A Study of Allergy Skin Prick Test with Weed Pollen | *Oyuntsatsral Batsaikhan, MD (Mongolia)*
 - 2157 Effects of Compound V on Pulmonary Fibrosis Model | <u>Chuang/Yao Ming (Taiwan)</u>, Ye/Yi Ling, MD (Taiwan) and Jiu-Yao Wang, MD, PhD (Taiwan)
 - Effect of Exposure to Air Pollution on Asthma and Lung Function Development | <u>Hyung Young Kim, MD (Korea)</u>, Byoung-Ju Kim, MD (United States), Ji-Won Kwon, MD (Korea), Ju-Hee Seo, MD (Korea), Eun Lee, MD (Korea), So-Yeon Lee, MD (Korea), Song-I Yang, MD (Korea), Young-Ho Jung, MD (Korea), Hyo-Bin Kim, MD (Korea), Ho-Jang Kwon, MD (Korea), Hee Ju Park (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- Geographic Variations in the Patterns of Sensitization to Aeroallergens in Korean Adults: A Multi-Center Study | Mingyu Kang, MD (Korea), Mi Yeoung Kim, MD (Korea), Sujeong Kim, MD (Korea), Eun-Jung Jo, MD (Korea), Seoung-Eun Lee, MD (Korea), Woo-Jung Song, MD (Korea), Sang Min Lee, MD, PhD (Korea), Chansun Park, MD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Jaechun Lee, MD, PhD (Korea), Young-Koo Jee, MD (Korea), Inseon S Choi, MD, PhD (Korea), Kyung-up Min, MD, PhD (Korea) and Sang-Heon Cho, MD, PhD (Korea)
 - Impacts of Rhizosphere Cleaning Effects of Potted Indoor Plants on the Symptoms and Stress of Students with Allergic Rhinitis in Newly Built Schools | <u>Yong-Won Lee, MD, PhD (Korea)</u>, Ho-Hyun Kim, PhD (Korea), Hana Bak, MD, PhD (Korea), Hye-Rim Son, BSc (Korea), Si-Eun Lee, BSc (Korea), Kwang-Jin Kim, PhD (Korea) and Young-Wook Lim, PhD (Korea)
 - Lipidomic Analysis of Mattress Dust from Urban and Rural School Children in China | <u>Zhaowei Yang, PhD (China)</u>, Jiukai Zhang, PhD (China), Wentao Zheng (China), Nanshan Zhong (China) and Jing Li, MD (China)
 - 2162 Identification of Phenotypes in Allergic Bronchopulmonary Aspergillosis Using Cluster Analysis | <u>Tsuyoshi Oguma, MD (Japan)</u>, Jun Tanaka, MD (Japan), Katsuyoshi Tomomatsu, MD (Japan) and Koichiro Asano, MD (Japan)
 - Prognostic Factors for Atopic Dermatitis in Spontaneously Born Babies from Low Socioeconomic Background | <u>Conny Tanjung, MD (Indonesia)</u>
 Sri Rezeki Hadinegoro (Indonesia), Damayanti Sjarif (Indonesia) and Berthold Koletzko (Germany)
 - Ethnic Differences in Lifetime Prevalence and Indoor Environmental Factors for Childhood Eczema | <u>Hyo-Bin Kim, MD, PhD (Korea)</u>, Hui Zhou, PhD (United States), Jeong Hee Kim, MD, PhD (Korea), Rima Habre (United States), Theresa Bastain, PhD (United States) and Frank Gilliland, MD, PhD (Korea)
 - Development of an Oak Pollen Emission and Transport Modeling Framework in Korea | <u>Changbum Cho, MS (Korea)</u>, Yun-Kyu Lim, PhD (Korea), Kyu Rang Kim, PhD (Korea), Mijin Kim, BS (Korea) and Baek-Jo Kim, PhD (Korea)

2166	Effects of Particulate Matter on Respiratory Allergic Diseases Considering Meteorological Factors in Busan, Korea <u>Eun-Jung Jo, MD (Korea)</u> , Seung-Eon Song, MD (Korea), Hae-Jung Na, MD (Korea), Sun-Mi Jang, MD (Korea), Woo-Seop Lee, PhD (Korea), Chang-Hoon Kim, MD, PhD (Korea) and Hye-Kyung Park, MD, PhD (Korea)
2167	Seasonal Variations of Airborne Pollen in Bangalore, India <i>Roopashree S, PhD (India)</i>
2168	Pollen Observation and Use of Data <u>Kyu Rang Kim, PhD (Korea)</u> , Mijin Kim, BS (Korea), Changbum Cho, MS (Korea), Mae Ja Han, MS (Korea), Jae-Won Oh, MD, PhD, FAAAAI (Korea) and Baek-Jo Kim, PhD (Korea)
2169	Validation of the Red Maple Trials Allergen Challenge Theatre for Ragweed Pollen Challenge <u>William Yang, MD (Canada)</u> , Suzanne Kelly, PhD (Canada), Rob Perrins, PEng (Canada) and Jimmy Yang, MBA (Canada)
2170	Preliminary Evaluation of the Red Maple Trials Allergen Challenge Theatre for Grass Pollen William Yang, MD (Canada), Suzanne Kelly, PhD

- (Canada), Rob Perrins, PEng (Canada), Jacob Karsh, MDCM (Canada) and Jimmy Yang, MBA (Canada)

 The Effect of CO2-Enriched Atmospheres to Producing of Allergenic Pollen by Ragweed | Young Jin Choi, MD (Korea), Ha-Na Kang, MD (Korea)
- and Jae-Won Oh, MD, PhD, FAAAAI (Korea)

 2172 Allergic Bronchopulmonary Aspergillosis in Asthma and Lung Tuberculosis | <u>Juwita Soekarno, Physician (Indonesia)</u>, Sarie Ratnasari, MD
- (Indonesia), E. Alwi Datau (Indonesia), Eko Surachmanto, MD (Indonesia) and JC Matheos, MD (Indonesia)

 2173 Studies on the Role of CD14 Polymorphism among Pollen and Mold Induced Asthmatics of Kolkata, India | Sanjoy Podder, PhD (India), Goutam
- Kumar, SAHA (India), Shampa Dutta (India) and Amlan Ghosh, PhD (India)
 House Dust Mite Allergy Indian Perspective | Goutam Kumar Saha, PhD (India), Sanjoy Podder, PhD (India) and Salil Kumar Gupta, P.D., DSc (India)

Poster Sessions – Friday, 16 October 2015

12:30 - 13:30 POSTER SESSIONS 3

POS 3-1: Asthma Hall D Pre-Function

Chairpersons: Soon Seog Kwon (Korea), Gary WK Wong (Hong Kong), Stanley Fineman (United States), Koichiro Asano (Japan), Yi Yeong Jeong (Korea), Kwang-Ha Yoo (Korea), Tae-Burn Kim (Korea)

- **3000** Evaluation Frequency of ADHD in Childhood Asthma | <u>Marzieh Heidarzadeh Arani (Iran)</u> and Zohre Ghoreishi (Iran)
- Asthma Exacerbations Seasonal Variation in Two Perennial Phenotypes during Twenty Years (1995-2014): House Dust Mite Monosensitized and Non Atopic Patients | <u>Dimitrios Vourdas (Greece)</u> and Konstantinos Petalas, MD, PhD (Greece)
- Garlic Extracts Reduce Histamine-Induced Proliferation and Migration of Human Asthmatic Bronchial Smooth Muscle Cells | <u>Yi Yeong Jeong</u> (Korea), Dawon Kang (Korea), Su Jin Lim (Korea) and Ji Hyeon Ryu (Korea)
- 3003 First Report of Asthma Prevalence in Afghanistan Using International Standardized Methods | Morteza Fallahpour (Iran), Mohammad Hassan Bemanian (Iran), Mohammad Nabavi, MD (Iran) and Saba Arshi, MD (Iran)
- Toxic and Adjuvant Effects of 3 Types of Silica Nanoparticles on Airway System | <u>Heejae Han (Korea)</u>, Hye Jung Park, MD (Korea), Yoon Hee Park (Korea), Yoon-Jo Kim (Korea), Kangtaek Lee, PhD (Korea), Jung-Won Park, MD, PhD (Korea) and Jae-Hyun Lee, MD, PhD (Korea)
- Primary School Students' Parents Reported ISAAC Questionnaire in a Low Income Area of Ankara | Zeynep Sengul Emeksiz, MD (Turkey), Aysegul Ertugrul, MD (Turkey), Ilknur Bostanci (Turkey), Serap Ozmen (Turkey) and Soner Sahin (Turkey)
- The Effects of Spirulina (Arthrospira Platensis) Dietary Supplement as an Adjunct Therapy for Children Aged 7 to 14 years old with Asthma: A Randomized Double Blind Placebo Controlled Clinical Trial | <u>Lou Ver Leigh Arciaga Manzon (Philippines)</u> and Pilar Agnes Gonzalez Andaya, MD (Philippines)
- **3007** Risk Factor Asthma in Pediatric Pneumonia Patients | <u>Diah Asri Wulandari (Indonesia)</u> and Cissy Kartasasmita, MD, M.Sc, PhD (Indonesia)
- **3008** Vitamin D Insufficiency in Asthmatic Patients | <u>Andreea Ioana Popescu (Romania)</u> and Raluca Greblescu, MD (Romania)
- 3009 Correlation between Serum 25-Hydroxyvitamin D Levels and Recurrent Wheezing in Children under the Age of 36 months | <u>Hong Wang (China)</u>
- The Relationship between Sputum Pentraxin 3 Levels and Childhood Asthma | <u>Hee Seon Lee (Korea)</u>, Kyung Eun Lee, PhD (Korea), Jung Yeon Hong (Korea), Mi Na Kim (Korea), Min Jung Kim, MD (Korea), In Suk Sol, MD (Korea), Seo Hee Yoon, MD, PhD (Korea), Yoon Hee Kim, MD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)
- 3011 Clinical Characteristics of Neutrophilic Asthma | <u>Sachiko Miyauchi (Japan)</u>, Tomoyuki Soma, MD, PhD (Japan), Yoshitaka Uchida, MD (Korea), Susumu Yamazaki, MD (Korea), Toru Noguchi, MD (Korea), Takehito Kobayashi, MD, PhD (Korea), Kazuyuki Nakagome, MD, PhD (Japan) and Makoto Nagata, MD, PhD (Japan)
- 3012 Th-17 Regulatory Cytokines Enhance Neutrophil Production of IL-17 during Asthma | Rabih Halwani, PhD (Saudi Arabia), Asma Sultana, PhD (Saudi Arabia), Ahmed Bahammam (Saudi Arabia) and <u>Saleh Al Muhsen (Saudi Arabia)</u>
- Autophagy Mechanisms in Patients with Severe Asthma: A New Therapeutic Target | <u>Ga Young Ban (Korea)</u>, Chang Gyu Jung, MD (Korea), Seung-Ihm Lee (Korea), Duy Le Pham, MD (Korea), Dong-Hyeon Suh, MS (Korea), Eun-Mi Yang, MS (Korea), Young Min Ye, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- **3014** Effect of AG490 on the Expression of TH17 CELLS and Tregs in the Mouse Model of Neutrophilic Asthma | <u>Zhang Min (China)</u>, Guang-Min Nong, MD, PhD (China) and Jiang Min, MD, PhD (China)
- Serum LTE4 Metabolite as a Biomarker for Aspirin Exacerbated Respiratory Disease | <u>Ga Young Ban (Korea)</u>, Kumsun Cho (Korea), Seung-Hyun Kim, PhD (Korea), Yong Eun Kwon, MD (Korea), Moon Gyeong Yoon, MS (Korea), Ji Hye Kim, MD (Korea), Yoo Seob Shin, MD, PhD (Korea), Young Min Ye, MD, PhD (Korea), Dong-Ho Nahm, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- 3016 Cluster Analysis of Asthma Phenotypes to Predict Exacerbation in Korean Population | <u>Mi-Ae Kim (Korea)</u>, Seungwoo Shin (Korea), Jong-Sook Park, MD (Korea), Hun Soo Chang (Korea), You Sook Cho, MD, PhD (Korea), Hae-Sim Park, MD, PhD (Korea) and Choon-Sik Park, MD, PhD (Korea)
- Atopic Characteristics of Patients with Asthma-COPD Overlap Syndrome | <u>Ji Young Yhi (Korea)</u>, Seok Hyun Cho, MD, PhD (Korea), Dong Won Park, MD (Korea), Ji-Yong Moon, MD (Korea), Sang-Heon Kim, MD (Korea), Tae Hyung Kim, MD (Korea), Jang Won Sohn, MD (Korea), Dong Ho Shin, MD, Dong Ho Shin, MD (Korea) and Ho Joo Yoon, MD (Korea)
- 3018 Role and Relational Mechanism of AG490 in Airway Inflammation in the Mouse Model of Neutrophilic Asthma | <u>Zhang Min (China)</u>, Nong Guang-Min, MD, PhD (China) and Jiang Min, MD, PhD (China)
- 3019 Effects of Anti-IgE on IL-4, IL-5, IL-17, and CD19,20,200 in a Case of Netherton Syndrome (SPINK5 mutation) | <u>Arzu Didem Yalcin (Turkey)</u>, Sukran Kose (Turkey) and Kemal Kiraz (Turkey)
- 3020 Association between Polymorphisms in Bitter Taste Receptors Genes and Clinical Features in Korean Asthmatics | Sun-Young Yoon (Korea)
- Flagellin Modulates the Function of Invariant NKT Cells via Dendritic Cells in Asthma Patients | <u>Jae-Uoong Shim (Korea)</u>, Joon Haeng Rhee, MD, PhD (Korea), Ji-Ung Jeong, MD (Korea) and Young Il Koh, MD, PhD (Korea)
- Successful Treatment of Steroid Resistant Asthma Model by Blocking CD28 Signal | <u>Akio Mori (Japan)</u>, Satoshi Kouyama, MSc (Japan), Miyako Yamaguchi (Japan), Yo lijima (Japan), Akemi Abe-Ohtomo, PhD (Japan), Hiroaki Hayashi, MD (Japan), Kentaroh Watai, MD (Japan), Chihiro Mitsui, MD (Japan), Chiyako Oshikata, MD (Japan), Kiyoshi Sekiya, MD (Japan), Takahiro Tsuburai, MD, PhD (Japan), Mamoru Ohtomo, MD (Japan), Yuma Fukutomi, MD, PhD (Japan), Masami Taniguchi, MD, PhD (Japan), Takayuki Ohtomo, PhD (Japan) and Osamu Kaminuma, PhD (Japan)
- 3023 Interleukin-9 and Interleukin-33 Levels in Children with Asthma | Sedigheh Bahrami Mahneh, MSc (Iran), Masoud Movahedi, MD (Iran), Arezou Rezaei, MSc (Iran), Maryam Sadr, MSc (Iran) and Nima Rezaei (Iran)

Poster Sessions - Friday, 16 October 2015

- Effect of Nintedanib on Asthma in Mouse Model | <u>Chin Kook Rhee (Korea)</u>, Hwa Young Lee (Korea), Hea Yon Lee (Korea), Sei Won Kim (Korea), Ji Young Kang (Korea), Sook Young Lee (Korea), Soon Seog Kwon, MD, PhD (Korea) and Young Kyoon Kim (Korea)
- To Test Use of Jet Nebulizers NE-C802 as a Drug Delivery System in the Children with Asthma | <u>Amit Agarwal (India)</u>, Ruby Pawankar, MD, PhD, FRCP, FAAAAI (Japan), Meenu Singh, MD (India), Jasleen Kaur, MBBS (India), Sukhmanjeet Singh, MBBS (India) and Pankaj Pant (India)
- The Role of Peroxiredoxin-6 of Bronchial Epithelial Cells in Regulating Mitochondrial Function Under Oxidative Stress By Translocation to Outside Mitochondrial Membrane | Sunjoo Park (Korea), Keun Ai Moon, MS (Korea), Keun Ai Moon, MS (Korea), Gyong Hwa Hong, BS (Korea), Eun Hee Ha, BS (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Tae-Burn Kim, MD, PhD (Korea), Hee-Born Moon, MD, PhD (Korea) and You Sook Cho, MD, PhD (Korea)
- **3028** The Expression and Effect of Natural Killer T Lymphocytes in Children with Asthma | Miao Liu, PhD (China) and Yi Jiang (China)
- Genetic Biomarkers Associated with Aspirin-Exacerbated Respiratory Disease (AERD) Phenotype Based on Genome-Wide Association Study | Seung-Hyun Kim (Korea), Hyunna Choi, MS (Korea), Young Min Ye, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- Appendicular Skeletal Muscle Mass Index: A Potential Predictor of Skeletal Muscle Abnormality According to the Severity Airflow Limitation of COPD | <u>Jun-Hong Ahn (Korea)</u>, Dong-Won Lee, MD (Korea), Jin Hong Chung, MD (Korea), Hyun Jung Jin, MD (Korea) and Min-Su Sohn, MD (Korea)
- Development of Binary Forecast Model of Asthma Exacerbation: Asthma Index | <u>Hey Suk Yun (Korea)</u>, Young Jin Choi, MD (Korea), Ha-Na Kana, MD (Korea) and Jae-Won Oh, MD, PhD, FAAAAI (Korea)
- Autophagy Is Associated with the Severity of Asthma in an Ovalbumin-Specific Mouse Model of Allergic Asthma | <u>Jing-Nan Liu (Korea)</u>, Youngwoo Choi (Korea), Yoo Seob Shin, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- ABCC4 Gene Polymorphism Is Associated with High Periostin Levels in Asthmatic Patients | <u>Sailesh Palikhe (Korea)</u>, Seung-Hyun Kim, PhD (Korea), Ri-Yeon Kim (Korea), Eun-Mi Yang, MS (Korea) and Hae-Sim Park, MD, PhD (Korea)
- Post-Translational Modification Patterns of Peroxiredoxin-6 in Peripheral Mononuclear Cells of Asthma and COPD Patients | <u>Bomi Seo (Korea)</u>, Sunjoo Park, PhD (Korea), Keun Ai Moon, MS (Korea), Gyong Hwa Hong, BS (Korea), Kyoung Young Lee, BS (Korea), Eun Hee Ha, BS (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Tae-Bum Kim, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and You Sook Cho, MD, PhD (Korea)
- Genetic Determinants for Lung Function Growth in Asthmatic Children | <u>Ting Fan Leung (Hong Kong)</u>, Man Fung Tang, BSc (Hong Kong), Hing Yee Sy, PhD (Hong Kong), Wilson Wai San Tam, PhD (Singapore) and Wa Cheong Chan, PhD (Hong Kong)
- 3036 Clinical Outcomes after Recovery from Severe Asthma Exacerbation The Third Report | <u>Jeong-Nam Eun (Korea)</u>, Inseon S Choi, MD, PhD (Korea) and Ji-Yun Hong, MD (Korea)
- 3037 The Level of Serum Interleukin 13 and Interleukin 17A and Its Effect Factors in Children with Asthma | <u>Juan Fang (China)</u> and Jing Zhao (China)
- The Seasonal Variation of Asthma Exacerbations in Patients Allergic to Pollens in Greece | <u>Konstantinos Petalas (Greece)</u>, Dimitrios Vourdas, MD (Greece) and Christos Grigoreas, MD, PHD (Greece)
- 3039 Is Vitamin D Insufficiency Also Involved in Childhood Asthma in Korea? | <u>Dae-Jin Song (Korea</u>), Jee Hoo Lee, MD (Korea), Yu-Ri Kim, PhD (Korea), Sungchul Seo, PhD (Korea), Young Yoo, MD, PhD (Korea) and Ji Tae Choung, MD, PhD (Korea)
- Time Trends in the Epidemiology of Recurrent Wheezing in Infants from South America | Herberto Jose Chong Neto, MD, PhD (Brazil), Gustavo Falbo Wandalsen, MD, PhD (Brazil), Ana Caroline Dela Bianca, PHD (Brazil), Carolina Aranda, MSc (Brazil), Nelson Rosário Filho (Brazil), Dirceu Sole, MD, PhD (Brazil), Javier Mallol, MD (Chile) and Luis Garcia-Marcos, MD, PhD (Spain)
- The Association of Vitamine D Deficiency and Skeletal Muscle Dysfunction in Chronic Airway Disease | Hyun Jung Jin, MD (Korea), Min-Su Sohn (Korea), Dong-Won Lee, MD (Korea), Jun-Hong Ahn, MD (Korea), Jin Hong Chung, MD (Korea)
- Significant Rise of the Prevalence and Clinical Features of Childhood Asthma in Qingdao China: Cluster Sampling Investigation of 10,082 Children | Rong Jun Lin (China) and Ren Zheng Guan (China)
- Induction of Kruppel-Like Transcription Factor (KLF4&5) By Baker's Yeast Mannan in Human Bronchial Epithelial and Smooth Muscle Cells | <u>Dukhee, Betty Lew (United States)</u>, Kim, S. Lemessurier, PhD (United States), Joseph, a Moore, BS (United States), Jeoung-Eun Park, PhD (United States), Ae-Kyung Yi, PhD (United States), Chi, Young Song, PhD (United States) and Kafait, U Malik, PhD (United States)
- 3044 Usefulness of Interactive E-Learning Education Program for Asthma Guideline | <u>Sung-Yoon Kang (Korea)</u>, Sae-Hoon Kim, MD, PhD (Korea), Yong-Eun Kwon, MD (Korea), Tae-Bum Kim, MD, PhD (Korea), Hye-Kyung Park, MD, PhD (Korea), Yoon-Seok Chang, MD, PhD (Korea), Young-Koo Jee, MD (Korea), Sang-Heon Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and Kyung-up Min, MD, PhD (Korea)
- The Association of Exhaled Nitric Oxide and Airway Hyperresponsiveness in Patients with and without Asthma | <u>Young-Hee Nam (Korea)</u>, Dong Sub Jeon, MD (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- Fungal Sensitization Is Associated with Asthma Exacerbation | <u>Min-Gu Kim (Korea)</u>, Jaemoon Lee, MS (Korea), Bomi Seo, MD (Korea), Jung-Hyun Kim, MD (Korea), Hyo-Jung Kim, MD (Korea), So-Young Park, MD (Korea), Taehoon Lee, MD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and Tae-Bum Kim, MD, PhD (Korea)
- **3047** Analysis of Follow-up Results of Mannitol Challenge Test in Asthma Patients | <u>Young-Hee Nam (Korea)</u>, Dong Sub Jeon, MD (Korea) and Soo-Keol Lee, MD, PhD (Korea)

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- Different Phenotypes of BHR (Bronchial Hyperresponsiveness) by Natural Course in Children and Its Characteristics | Young-Ho Kim (Korea), Eun Lee, MD (Korea), Song-I Yang, MD (Korea), Hyun-Ju Cho, MD (Korea), Hyung Young Kim, MD (Korea), Ji-Won Kwon, MD (Korea), Young-Ho Jung, MD (Korea), Byoung-Ju Kim, MD (Korea), Ju-Hee Seo, MD (Korea), Hyo-Bin Kim, MD, PhD (Korea), So-Yeon Lee, MD (Korea), Ho-Jang Kwon, MD (Korea), Soo Hyun Kim, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- 3049 Implication of Inspiratory and Expiratory Resistance and Reactance in Children with Asthma | In Suk Sol (Korea), Yoon Hee Kim, MD (Korea), Min Jung Kim, MD (Korea), Seo Hee Yoon, MD, PhD (Korea), Young a Park, MD (Korea), Yong Ju Lee, MD (Korea), Kyung Won Kim, MD, PhD (Korea), Myung Hyun Sohn, MD, PhD (Korea) and Kyu-Earn Kim, MD, PhD (Korea)
- Wheezing as a Clue to the Diagnosis of Cough Variant Asthma and Nonasthmatic Eosinophilic Bronchitis | Jin-Young Lee, MD, PhD (Korea), Sehyo Yune, MD (Korea), Young Nam Kim, MD (Korea), Jihye Kim (Korea), Mi-Jin Jang (Korea), Jae-Won Paeng (Korea), Young Eun Kim (Korea), Dong-Chull Choi, MD, PhD (Korea), Byung-Jae Lee, MD, PhD (Korea), Yongseok Lee (Korea) and Sehyo Yune (Korea)
- 3051 IL-17A Directly Regulates Airway Smooth Muscle Contractility | <u>Makoto Kudo (Japan)</u>, Dean Sheppard, MD (United States), Ushio Ryota, MD (Japan), Masaki Yamamoto, MD, PhD (Japan), Masaharu Shinkai, MD, PhD (Japan), Takeshi Kaneko, MD, PhD (Japan), Takashi Sato, MD, PhD (Japan), Keisuke Wananabe, MD, PhD (Japan), Nobuyuki Horita, MD, PhD (Japan), Kentaro Nakashima, MD (Japan), Yusuke Moriyama, MD (Japan) and Makoto Masuda, MD (Japan)
- High Prevalence of Wheezing Illness and Risk Factor of Atopic Asthma Progression in Korean Preschool Children | Sung-Il Woo, MD (Korea) and Sohyoung Yang (Korea)
- Mitochondrial Fusion Contributes to the Pathogenesis of Fungus-Induced Steroid Resistant Asthma | <u>So Ri Kim (Korea)</u>, Yong Chul Lee, MD, PhD (Korea), Hae Jin Park, MS (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- Patients and Physicians Concept of Well-Controlled Asthma: Findings from Realise Asia | <u>Sang-Heon Cho (Korea)</u>, David Price (Singapore), Jaewon Jeong, MD (Korea), Diahn-Warng Perng, MD, PhD (Taiwan), Jiangtao Lin, MD, PhD (China) and Glenn Neira, MD (Singapore)
- Interaction Between PKR and ER Stress in the Pathogenesis of Neutrophilc Severe Asthma | <u>So Ri Kim (Korea)</u>, Yong Chul Lee, MD, PhD (Korea, Dong Im Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- 3056 Characteristics of Children Hospitalized with Asthma in West Nusa Tenggara General Hospital Mataram Indonesia | <u>Indriyani Sang Ayu Kompiyang (Indonesia)</u>
- Morphological Changes and Contact of Subcellular Organelles Lead to Severe Bronchial Asthmatic Features in Mice | <u>Yong Chul Lee (Korea)</u>, So Ri Kim, MD, PhD (Korea), Dong Im Kim, PhD, Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- 3058 Asthma State of Affairs in Asia: Seeing through Physicians' and Patients' Lenses | <u>Sang-Heon Cho (Korea)</u>, Jaewon Jeong, MD (Korea), Diahn-Warng Perng, MD, PhD (Taiwan), Jiangtao Lin, MD, PhD (China), David Price (Singapore) and Glenn Neira, MD (Singapore)
- The Role of PKR Pathway in Acute Exacerbation of Severe Bronchial Asthma | <u>So Ri Kim (Korea)</u>, Yong Chul Lee, MD, PhD (Korea), Dong Im Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- 3060 Korean Profile in Childhood Asthma Severity Classification | <u>Dongin Suh (Korea)</u>, Hyeon-Jong Yang, MD, PhD (Korea), Bong-Seong Kim, MD, PhD (Korea), Youn Ho Shin, MD (Korea), So-Yeon Lee, MD (Korea), Geunhwa Park, MD (Korea), Woo Kyung Kim (Korea), Hyo-Bin Kim, MD, PhD (Korea), Heysung Baek, MD, PhD (Korea), Ja Kyoung Kim, MD (Korea), Dae Hyun Lim, MD, PhD (Korea) and Jin Tack Kim, MD (Korea)
- PAR2-Antagonist Suppresses Protease-Induced Allergic Inflammation Mediated By Degradation of Lung Epithelial Tight Junction and Generation of ROS | <u>Ha-Jung Kim (Korea)</u>, Young-Joon Kim (Korea), Bok Kyoung Jung (Korea), Seung-Hwa Lee (Korea), Mi-Jin Kang, MS (Korea), Sekyoo Jeong (Korea), Eun Lee, MD (Korea), Hyun-Ju Cho, MD (Korea), Young-Ho Kim, MD (Korea), Song-I Yang, MD (Korea), Seo Hee Kim (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- Associations of Metabolic Syndrome with Asthma and Atopy in Korean Adults | <u>Ji-Yong Moon (Korea)</u>, Sang-Heon Kim, MD (Korea), Ji Young Yhi, MD (Korea), Dong Won Park, MD (Korea), Tae Hyung Kim, MD (Korea), Jang Won Sohn, MD (Korea), Dong Ho Shin, MD (Korea) and Ho Joo Yoon, MD (Korea)
- **3063** Uncontrolled Asthma in Children | <u>Suleiman Al-Hammadi (United Arab Emirates)</u> and Saad Alani (United Arab Emirates)
- Impact of Pregnancy in Asthma on Healthcare Use and Perinatal Outcomes | <u>Sujeong Kim (Korea)</u>, Jinhee Kim, PhD (Korea), So Young Park, MD (Korea), Hye-Yeon Um, MS (Korea), Seunghee Baek, PhD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and Tae-Bum Kim, MD, PhD (Korea)
- **3065** Profile of Children Requiring Admission for Asthma at BPKIHS, Nepal | Satish Yadav (Nepal)
- Identification of Subtypes in Subjects with Mild to Moderate Airflow Limitation and Their Clinical and Socioeconomic Implications | <u>Jin Hwa Lee</u> (<u>Korea</u>), Chin Kook Rhee, MD (Korea), Hye Yun Park, MD (Korea), Woo Jin Kim, MD (Korea), Yong Bum Park, MD (Korea) and Kwang-Ha Yoo, MD (Korea)
- The Concordance between Lung Function Test and Indonesian Version of Childhood Asthma Control Test (CACT) | <u>Nastiti Kaswandani</u> (<u>Indonesia</u>), Cynthia Utami, MD (Indonesia) and Mardjanis Said, MD (Indonesia)
- Comparison of Asthma-Related Outcomes Between Metabolically Healthy Obese and Metabolically Unhealthy Obese Asthma Patients | <u>Hyo-Jung Kim (Korea)</u>, So Young Park, MD (Korea), Jung-Hyun Kim, MD (Korea), So-Young Park, MD (Korea), Bomi Seo, MD (Korea), Min-Gu Kim, MD (Korea), Youn Yee Kim, MD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and Tae-Bum Kim, MD, PhD (Korea)

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- Synergistic Interaction between Bronchiolitis and PM₁₀ Is Modified By *IL-13* Polymorphism on Asthma Development: Replication from Cheer Study | <u>Young-Ho Jung (Korea)</u>, Song-I Yang, MD (Korea), Byoung-Ju Kim, MD (United States), Ji-Won Kwon, MD (Korea), Hwan-Cheol Kim, MD (Korea), Jong-Han Leem, MD (Korea), Ju-Hee Seo, MD (Korea), Hyung Young Kim, MD (Korea), So-Yeon Lee, MD (Korea), Ho-Jang Kwon, MD (Korea), Hyo-Bin Kim, MD (Korea) and Hyun-Ju Cho, MD (Korea)
- **3070** Traffic-Related Pollution Levels and Poorly Controlled Asthma in Adults | Ja Yeun Kim (Korea) and Ho Kim (Korea)
- Examination of Late Pulmonary Toxicity in Children Treated for Malignancies | <u>Agnes Nemeth (Hungary)</u>, Gabor Kovacs (Hungary), Judit Muller (Hungary) and Monika Csoka (Hungary)
- 3072 Diurnal Temperature Range and Emergency Department Visits for Asthma in Korea 6 Cities | Shinha Hwang (Korea), Whahee Lee (Korea) and Ho Kim (Korea)
- 3073 Comparison of Some Vitamin Groups in Asthmatic Patients | <u>Gulden Bilgin (Turkey)</u>, Hatice Surer, MD (Turkey), Aytun Sadan Kilinc, MD (Turkey), Dogan Yucel (Turkey) and Hatice Surer, MD (Turkey)
- 3074 Burden and Correlates of Cigarette Smoking and Respiratory Airway Obstruction: An Observation in Urban Adult Population of West Bengal (India) | Kaushik Chakraborty (India), Tanmay Mahapatra (India), Nilanjana Chakraborty (India), Ramendra Nath Mitra (Australia), Peter L Thompson (Australia) and Arthur William Musk (Australia)
- Impact of Cognitive Impairment on Asthma Control Status in Elderly Asthmatics | <u>Gyv Young Hur (Korea)</u>, Young Min Ye, MD, PhD (Korea), Junga Kim, MD (Korea), Joo-Hee Kim, MD (Korea), Jae Jeong Shim, MD, PhD (Korea), Ki-Suck Jung, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- Depression and Allergy in the Elderly: A Community Population Analysis | <u>Kyoung Hee Sohn (Korea)</u>, Woo-Jung Song, MD (Korea), Byung-Keun Kim, MD (Korea), Ju-Young Kim, MD (Korea), Min Suk Yang, MD (Korea), So-Hee Lee, MD (Korea), Sae-Hoon Kim, MD, PhD (United States), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Sun-Sin Kim, MD (Korea), Kyung-up Min, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Yoon-Seok Chang, MD, PhD (Korea)
- The Follow up of the Potential Immunosuppressant Effects of Marijuana (MJA) | <u>Ishaq M, MD, PhD (Pakistan</u>), Sameera MI Khan, MD (United States), Imran Khan (United States) and Sabeen Khan (United States)

12:30 – 13:30 POS 3-2: Skin Allergy Hall D Pre-Function

Chairpersons: Revaz Sepiashvili (Russia), Masayuki Amagai (Japan), Hee Chul Eun (Korea)

- The Efficacy of a 2-Week Course of Oral Steroid in the Treatment of Chronic Spontaneous Urticaria Refractory to Antihistamines | Gyeong Yul Park, MD (Korea) and <u>Hyun-Sun Yoon (Korea)</u>
- Strong Association between HLA-B*5801 Allele and Allopurinol Induced Severe Cutaneous Adverse Reactions in Vietnamese | <u>Hieu Chi Chu (Vietnam)</u>, Nga Thi Quynh Do (Vietnam), Dinh Van Nguyen (Vietnam), Ha Thi Thu Nguyen (Vietnam), Huong Thi Minh Le (Vietnam), Sheryl Van Nunen (Australia), Christopher Vidal, PhD (Australia) and Suran Fernando (Australia)
- Recurrent Mouth Ulsers Caused by Braces after Developing a Nickel Allergy in Children | <u>Ilknur Bostanci (Turkey)</u> and Yasemin Keskin, MD, PhD (Turkey)
- 3081 Interleukin 10 and Transforming Growth Factor β gene Polymorphisms in Chronic Idiopathic Urticaria | <u>Marzieh Tavakol (Iran)</u>, Ali Akbar Amirzargar (Iran) and Masoud Movahedi (Iran)
- 3082 Protein-Losing Dermopathy Impairing Growth in Children with Severe Atopic Dermatitis | Mohammad S. Ehlayel (Qatar)
- Food Hypersensitivity in Patients with Chronic Urticaria in Korea | Jee Hee Son (Korea), Yong Se Cho, MD (Korea), Yun Sun Byun, MD (Korea), Yoon Seok Yang, MD (Korea), Bo Young Chung, MD (Korea), Hee Jin Cho, MD (Korea), Chun Wook Park, MD (Korea) and Hye One Kim (Korea)
- Thiol-Disulfide Balance in Children with Atopic Dermatitis | *Gulin Karacan (Turkey), Ilknur Bostanci (Turkey), Nazli Ercan (Turkey), Asuman Colak, MD (Turkey), Murat Alisik, MD (Turkey), Gulay Basarir, PhD (Turkey) and Ozcan Erel (Turkey)*
- **3085** Angioedema with Eosinophilia: The First Report from Thailand | *Thatchai Kampitak (Thailand)*
- 3086 Zinc Deficiency in Children with Severe Atopic Dermatitis: More Common than Generally Thought | Mohammad S. Ehlayel (Qatar) and Abdul Bari Bener, PhD (Turkey)
- **3087** Subcutaneous Autologous Serum Therapy in Chronic Urticaria | <u>Kiran Godse (India)</u>
- **3088** Associations between Infectious Diseases and Urticaria | <u>Marius Iordache (Romania)</u>
- Clinical Baseline Characteristics of Asian Patients Suffering from Refractory Chronic Spontaneous Urticaria (CSU) in Three Phase 3 Omalizumab Clinical Trials | Chia-Yu CHU (Taiwan), Derrick Aw, MD (Singapore), Young-Min Ye, MD (Korea), Giovanni Bader, MD, PhD (Switzerland), Nathalie Oliveira, MD, PhD (Switzerland), Fabrizio Dolfi, MD, PhD (Switzerland) and Jacqueline Liang (Taiwan)
- **3090** Fric Test in Dermographism | <u>Kiran Godse (India)</u>
- Gastric Erosions Cause Spontaneous Urticaria Independent of Helicobacter Pylori | <u>Semen Zheleznov (Russia)</u>, Galina Urzhumtseva (Russia), Natalia Petrova (Russia), Zhanna Sarsaniia (Russia), Nikolai Didkovskii, MD (Russia) and Torsten Zuberbier (Germany)
- Current Practice of Infants and Children with Acute Urticaria at a Single Wide Regional Emergency Medical Center | <u>Hea Lin Oh (Korea)</u>, Young Yull Koh, MD, PhD (Korea), Do Kyun Kim, MD (Korea) and Dongin Suh, MD (Korea)
- Criteria Combining Autologous Serum Skin Test and Clusterin for Predicting Antihistamine-Refractoriness in Patients with Chronic Spontaneous Urticaria | Young Min Ye (Korea), Ga-Young Ban, MD (Korea), Ji Hye Kim, MD (Korea), Yoo Seob Shin, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)

Abstracts receiving awards will be identified with 🎥 next to the Abstract Number.

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- Autologous Serum Skin Test in Chronic Idiopathic Urticaria Relationship with Autoimmune Markers and Disease Severity | <u>Hyun-Chang Ko</u> (<u>Korea</u>), Byung Soo Kim, MD, PhD (Korea) and Moon-Bum Kim, MD, PhD (Korea)
- Dye and Preservative Challenge in Meal-Associated Urticaria and Angioedema: A Low-Yield Diagnostic Maneuver | <u>Daniel Eugene Maddox</u> (United States)
- 3096 Clinical Spectrum and Natural History of Chronic Urticaria in Hong Kong Children | <u>Agnes Sze-Yin Leung (Hong Kong)</u> and Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)
- Gene Expression Profiling in Patients with Chronic Idiopathic Urticaria Reveals Unique Gene Signature Distinct from Healthy Controls | <u>Julie Kim-Chang (United States)</u>, Cassandra Love (United States) and Patricia Lugar, MD, MS (United States)
- 3098 Economic Burden of Refractory Chronic Spontaneous Urticaria on Kuwait Health System | Mona Al-Ahmad (Kuwait), Maryam Alowayesh, PhD (Kuwait) and Norman Carroll. PhD (United States)
- Safety of Omalizumab in Patients with Chronic Idiopathic/Spontaneous Urticaria (CIU/CSU): Pooled Analysis of Three Randomized, Double-Blind, Placebo-Controlled Phase III Studies (ASTERIA I, ASTERIA II, and GLACIAL) | Thomas Casale (United States), Sarbjit Saini (United States), Marcus Maurer (Germany), Karin Rosen (United States), Joachim Veith (United States), Selim Aydin (Switzerland), Janice Canvin (United Kingdom) and Rowan Higgs (Ireland)
- Omalizumab Improved Symptoms in All Three Phase III Trials Conducted in Patients with Inadequately Controlled Chronic Spontaneous/
 Idiopathic Urticaria (CSU/CIU): A Post-Hoc Analysis of Percent Change from Baseline | Thomas Casale (United States), Marcus Maurer

 (Germany), Sarbjit Saini (United States), Jonathan Bernstein (United States), Allen Kaplan (United States), Karin Rosen (United States), Sam Khalil (Switzerland) and Rowan Higgs (Ireland)
 - Substantial Impairment of the Quality of Life in Adult Patients with Chronic Urticaria | <u>Wonsun Choi (Korea)</u>, Ji Hye Kim, MD (Korea), Ga Young Ban, MD (Korea), Yoo-Seob Shin, MD, PhD (Korea), Hae-Sim Park, MD, PhD (Korea) and Young Min Ye, MD, PhD (Korea)
 - How Is the Impact of Chronic Urticaria Compared to Psoriasis on Patients? | Maria-Magdalena Balp (Switzerland), Jeffrey Vietri (United States), Susan Gabriel (United States) and Haijun Tian (United States)
 - Assessment of Autonomic Nervous Function in Subjects with Cholinergic Urticaria Associated with Acquired Idiopathic Generalized Anhidrosis | Shoko Shindo, MD (Japan), Hiroyuki Murota, MD, PhD (Japan), Mayuko Tahara, MD (Japan), Aya Takahashi, MD, PhD (Japan), Ichiro Katayama, MD, PhD (Japan) and Midori Fujiwara (Japan)

12:30 – 13:30 POS 3-3: Immunotherapy

Hall D Pre-Function

Chairpersons: Seon Tae Kim (Korea), Giovanni Passalacqua (Italy), Amir Hamzah Abdul Latiff (Malaysia)

- Subcutaneous Immunotherapy Mouse Model for Atopic Dermatitis | <u>Seo Hyeong Kim (Korea)</u>, Jung U Shin, MD (Korea), Ji Yeon Noh, PhD (Korea), Shan Jin (Korea), Chang Ook Park, MD (Korea), Hemin Lee, MD (Korea), Jungsoo Lee, MD (Korea) and Kwang Hoon Lee, MD, PhD (Korea)
- Differences of Change in Der p IgG4 and CD4+CD25+FoxP3+ Treg Cells between Sublingual and Subcutaneous Immunotherapy with House Dust Mite in Chinese Patients with Allergic Rhinitis | Mo Xian (China), Mulin Feng (China) and Jing Li, MD (China)
- Occupational Allergy to Fungal Spores among the Farmers of Paddy Fields in West Bengal, India: An Aeromycological and Immunological Approach | Mouli SAHA (India) and Kashinath Bhattacharya (India)
- 3107 Study of Efficacy of Sublingual Immunotherapy (SLIT) in Cases of Severe Persistent Allergic Rhinitis | Subir Jain (India)
- The Prevalence of Positive Reaction for Skin Prick Test in Korean Farmers and Its Occupational Risk Factors | <u>Hogil Kim (Korea)</u>, Soo-Jin Lee, MD, PhD (Korea), Ji-Hoon Lee, MD (Korea), Soo Yong Roh (Korea) and Soon-Chan Kwon, MD (Korea)
- 3109 The Change of Serous Sige and Three Evaluation Before and After Sublingual Immunotherapy with Dermatophagoides Farinae for Persistent Allergic Rhinitis | <u>Yongping Liu (China)</u>
- Effective Treatment of House Dust Mite (HDM) Allergic Rhinitis with the SQ HDM SLIT-Tablet; Results from a DBPC Phase III Trial | <u>Pascal Demoly (France)</u>, Elke Decot, MD (Germany), Verners Lozovskis, MD (Latvia), Dorte Rehm, PhD (Denmark) and Jörg Kleine-Tebbe, MD (Germany)
- Dose Optimizing Study of a Depigmented Polymerized Allergen Extract of Phleum Pollen by Means of Conjunctival Provocation Test (CPT) |

 Angelika Sager (Germany) and Oliver Pfaar, MD, PhD (Germany)
- 3112 Allergy Immunotherapy Well Tolerated in Children | Mahnaz Sadeghi-Shabestari (Iran)
- 3113 Effect on Quality of Life of the Mixed House Dust Mite/Weed Pollen Extract Immunotherapy in Polysensitized Patients | <u>Lisha Li (China)</u> and Jia Yin (China)
- Local and Systemic Reactions of Dust Mite Subcutaneous Immunotherapy (SCIT) among Children in a Tertiary Care Hospital | <u>Pilar Agnes</u> Gonzalez Andaya (Philippines)
- Time Course of Serum Inhibitory Activity for Facilitated Allergen-IgE Binding during House Dust Mite Immunotherapy | <u>Mulin Feng (China)</u> and Jing Li, MD (China)
- Liposomal Encapsulation of House Dust Mite Allergens and Dexamethasone Modulates Allergic Response in a Murine Model of Asthma | Yordanis Pérez-Llano (Cuba), Wendy Ramírez González, MSc (Cuba), Carlos Calcines Cruz (Cuba), Marilé Hechavarría Stoker (Cuba), Rady Laborde Quintana, MSc (Cuba), Alain Morejón, MSc (Cuba), Virgilio Bourg (Cuba) and María Del Carmen Luzardo Lorenzo, PhD (Cuba)
 - Allergen Specific Immunotherapy in the Treatment of Allergic Rhinitis and Asthma A Randomized Prospective Study from Kashmir Valley-North of India | Roohi Rasool Wani (India), Shafia Alam Syed (India), Ghulam Hassan (India), Ayaz Gul (India), Zaffar Amin Shah (India) and Saniya Nissar (India)

Poster Sessions – Friday, 16 October 2015

- The Effect of G2 Vaccine on the Gene Expression NKG2D and Receptor Presenting on the Surface of NK Cells in Peripheral Blood | Nader Dashti Gerdabi (Iran), Ali Khodadadi, PhD (Iran), Zahra Abdoli, Ms (Iran), Mehri Ghafourian, PhD (Iran), Mohammad Ali Assarehzadegan, PhD (Iran) and Khodayar Ghorban, PhD (Iran)
- The Different Influence on the Regulatory T Cell Response Between Subcutanous Immnuotherapy (SCIT) and Sublingual Immunotherapy (SLIT) in Children with Asthma | Qing Miao (China) and Li Xiang (China)
- Systemic Side Reaction of Subcutaneous Immunotherapy (SCIT) for Perennial Allergic Rhinitis | <u>Kun Hee Lee (Korea)</u> and Sung Wan Kim, MD, PhD (Korea)
- A Case Report of Successful Intralymphatic Immunotherapy in Postorgasmic Illness Syndrome | Sang Min Lee, MD, PhD (Korea), Tae Beom Kim, MD, PhD (Korea), Young Sup Shim, MD, PhD (Korea), Shin Myung Kang, MD, PhD (Korea), Yu Jin Kim, MD, PhD (Korea), Sun Young Kyung, MD, PhD (Korea), Jeong-Woong Park (Korea), Sung Hwan Jeong, MD, PhD (Korea) and Sang Pyo Lee, MD, PhD (Korea)
- Different Increases of Specific Immunoglobulin G4 By Different House Dust Mite Subcutaneous Immunotherapy Reagents | <u>Kyung Hee Park</u> (<u>Korea</u>), Hye Jung Park, MD (Korea), Jae-Hyun Lee, MD, PhD (Korea), Jung-Won Park, MD, PhD (Korea) and Sangchul Lee, MD (Korea)
- 3123 Pollen Exposure in a Mobile Exposure Chamber: Comparing Real-Life Symptoms with Exposure Symptoms | <u>Karl-Christian Bergmann (Germany)</u>, Torsten Sehlinger (Germany), Georg Bölke (Germany), Uwe Berger, MBA (Austria) and Torsten Zuberbier (Germany)
- Localisation Kinetics of Aluminium after Subcutaneous Injection in a Rat Model | <u>Alan David Bullimore (United Kingdom)</u>, Matthew Heath, PhD (United Kingdom), Simon Hewings (United Kingdom) and Murray Skinner, PhD (United Kingdom)
- **3126** Efficacy and Safety of Sublingual Immunotherapy in House Dust Mite Sensitized Children with Allergic Rhinitis | <u>Yang Park (Korea)</u>
- Preclinical Study on the Use of Micro Crystalline Tyrosine (MCT) Adjuvants in Allergy Immunotherapy | <u>Alan David Bullimore (United Kingdom)</u>, Matthew Heath, PhD (United Kingdom) and Murray Skinner, PhD (United Kingdom)
- **3128** Systemic Cyclosporine Treatment in Hand Eczema Patients / <u>Kyung Ho Kim (Korea)</u> and Ji Young Ahn (Korea)
- Protein and MPL Adsorption Capacities for MCT in Candidate Therapeutic Formulations for Use in Immunotherapy, Compared against Existing Adjuvants | <u>Alan David Bullimore (United Kingdom)</u>, Matthew Heath, PhD (United Kingdom), Murray Skinner, PhD (United Kingdom) and Andrew Bell (United Kingdom)
- Pre-Coseasonal Treatment with a 5-Grass Pollen Sublingual Tablet in Adults Demonstrated a Reduction on Asthma Symptoms in Reunion Island | Bashir Omarjee (Reunion)
- Intralymphatic Immunotherapy for Dermatophagoides Farinae, Dermatophagoides Pteronyssinus, Cat, and/or Dog Allergy in Patients with Allergic Rhinitis: 1 Year Follow-up | Sang Min Lee (Korea), Joo Hyun Jung, MD, PhD (Korea), Seung Joon Choi, MD, PhD (Korea), Eugene Joe, MD (Korea), Hyunjung Hwang, MD (Korea), Shin Myung Kang, MD, PhD (Korea), Yu Jin Kim, MD, PhD (Korea), Sun Young Kyung, MD, PhD (Korea), Jeong-Woong Park, MD, PhD (Korea), Sung Hwan Jeong, MD, PhD (Korea) and Sang Pyo Lee, MD, PhD
- House Dust Mites Sublingual Immunotherapy Can Influence the Long-Term Evolution of Severe Atopic Dermatitis and the Progression to Respiratory Allergy | Maurizio Marogna, MD (Italy) and Enrico Compalati (Italy)
- Risk Factors for Systemic and Local Reactions to Subcutaneous Allergen Immunotherapy | <u>Hikmet Tekin Nacaroglu (Turkey)</u>, Semiha Bahceci Erdem, MD (Turkey), Ozlem Sumer, MD (Turkey), Sait Karaman, MD (Turkey), Canan Sule Unsal Karkiner, MD (Turkey), Suna Asilsoy, MD (Turkey), Ilker Gunay, MD (Turkey) and Demet Can, MD (Turkey)
- Analysis of Allergen Immunotherapy Practice and Patients Knowledge and Attitude about Allergen Immunotherapy in a Single Tertiary Hospital in Korea | <u>Young-Hee Nam (Korea)</u>, Dong Sub Jeon, MD (Korea) and Soo-Keol Lee, MD, PhD (Korea)
- 3135 Skin Prick Test Result and Allergen Immunotherapy in Children with Allergic Rhinitis | *Grace Shieh (Philippines)*
- Clinical Factors for Improved Allergen Reactivities Induced by Subcutaneous Allergen Specific Immunotherapy with House Dust Mites during 1 Year Period | <u>Hee-Kyoo Kim (Korea)</u>, Chul-Ho Oak, MD (Korea), Gil-Soon Choi, MD (Korea), Ye-Jin Moon (Korea), Ye-Jin Moon (Korea) and Eun-Kee Park, PhD (Korea)
- 3137 Sublingual Immunotherapy among Problematic Patients, Suffering from Allergic Rhinitis | Nataly Tataurshchikova (Russia)
- The Efficiency of Immunotherapy to the Subjects with Allergy to Bee Venom and Its Influence in Pollen Allergy | <u>Leonora Hana-Lleshi (Kosovo)</u>, Luljeta Ahmetaj (Kosovo), Anila Toka Shkurti (Albania) and Etleva Qirko Loloci (Albania)

12:30 – 13:30 POS 3-4: Pediatrics Hall D Pre-Function

Chairpersons: Yeong Ho Rha (Korea), Jessie de Bruyne (Malaysia), Nelson Rosário Filho (Brazil), Yehia El-Gamal (Egypt), Sun Hee Choi (Korea), Heysung Baek (Korea)

- 3139 Correlation of Cutaneous Sensitivity and Cytokine Response in Children with Asthma | <u>Amit Agarwal (India)</u>, Meenu Singh, MD (India), Bishnupda Chatteriee, PhD (India) and Anil Chauhan, MSc (India)
- 3140 Allergy Symptoms in the First Two Months of Life | Nurul Iman Nilam Sari (Indonesia)
- Correlation between Food Allergy, Aeroinhalant Allergy, Allergic Rhinitis, Atopic Dermatitis, and Acute Upper Respiratory Tract Infections and Levels of Severity of Asthma in Pediatric Medicine Department Saiful Anwar Hospital Indonesia | <u>Muchammad Fahrul Udin (Indonesia)</u>, Ery Olivianto, MD (Indonesia), Wisnu Barlianto, MD (Indonesia) and HMS Chandra Kusuma, MD (Indonesia)
- Prevalence and Risk Factors of Childhood Asthma and Allergic Disease at Exposed Area by Emission of Cement Padang Factory | Finny Fitry Yani (Indonesia), Rizanda Machmud, MD, PhD (Indonesia) and Dhina Lydia Lestari, MD (Indonesia)
- Association between Serum Level of 25-Hydroxyvitamin D with Atopic Dermatitis Occurrence and Severity in Children | *Yurmalina Yurmalina (Indonesia)*, <u>Rusdi Rusdi (Indonesia)</u> and Eryati Darwin, PhD (Indonesia)

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- 3144 Evidence-Based Health Advice for Childhood Eczema and Household Pets | <u>Kam Lun E. Hon (Hong Kong)</u>, Chung Mo Chow, MBCHB (Hong Kong) and Ting Fan Leung, MD, FRCPCH, FAAAAI (Hong Kong)
- Dynamics of Immunological Biomarkers in Children with Food Allergy Fed Goat Milk Formula | *Ilya Vorozhko (Russia)*, <u>Tatiana Sentsova (Russia)</u>, Olga Chernyak (Russia), Vera Revyakina (Russia) and Anna Timopheeva (Russia)
- Application Evaluation of House Dust Mite and Components Specific-IgE and IgG4 in Specific Immunotherapy with Allergic Diseases | Peiyan Zheng, MD (China) and Baoging Sun (China)
- Sleep in Infants in Korea Finding of Bisq Survey | <u>Yeongsang Jeong (Korea)</u>, Sohee Eun, MD (Korea), Wonhee Seo, MD, PhD (Korea), Byung Min Choi, MD (Korea) and Ji Tae Choung, MD, PhD (Korea)
- 3148 House Dust Mite Sensitization and Exacerbation of Asthma in the Fall in Children | <u>Jong-Seo Yoon (Korea)</u>, Sul Mui Won (Korea), Hwan Soo Kim, MD (Korea), Yoon Hong Chun, MD (Korea), Hyun Hee Kim, MD (Korea) and Jin Tack Kim, MD (Korea)
- Serum 25-Hydroxyvitamin D in Early Childhood is Non-Linearly Associated with Allergy | <u>Emma Merike Savilahti (Finland)</u>, Outi Mäkitie, MD PhD (Finland), Anna Kaarina Kukkonen, MD PhD (Finland), Sture Andersson, MD PhD (Finland), Heli Viljakainen, PhD (Finland), Erkki Savilahti, MD PhD (Finland) and Mikael Kuitunen, MD PhD (Finland)
- Successful Cyclophosphamide Desensitization in a Pediatric Patient with Systemic Lupus Erythematosus | <u>Jennifer Toh (United States)</u>, Yoomie Lee, MD (United States), Joyce Huang, MD (United States), Elina Jerschow, MD (United States) and Jenny Shliozberg, MD (United States)
- Maternal Depression Is Associated with Children's Asthma: An Analysis of the Fifth Korea National Health and Nutrition Examination Survey (2010-2012) | Lee Ju Suk (Korea) and Cheol Hong Kim, MD (Korea)
- Oscillometric Bronchodilator Response in 3 to 5 years Old Healthy and Asthmatic Filipino Children | <u>Gemmalyn Esguerra (Philippines)</u>, Emily Resurreccion, MD (Philippines), Kristine Elisa Kionisala, MD (Philippines) and Jenni Rose Dela Cruz, MD (Philippines)
- **3153** Gastroscope Feature and Clinical Characteristics in 172 Cases of Children with Henoch-Schonlein Purpura | <u>Zeng Huasong (China)</u>
- Comparison of Serum Cytokine Levels According to the Severity in Atopic Dermatitis | <u>Ha-Su Kim (Korea</u>), Ji-in Jung, MD (Korea) and Jin-a Jung, MD, PhD (Korea)
- 3155 Maternal Allergy Is Associated with Acute Bronchiolitis Severity in Infant | <u>Chang Hoon Lim (Korea)</u>, Yeongsang Jeong, MD (Korea), Su Jung Kim (Korea) and Wonhee Seo, MD, PhD
- Sleep Disorders in Latin-American Children with Asthma and/or Allergic Rhinitis and Normal Controls | Marilyn Urrutia Pereira (Brazil),
 Dirceu Sole, MD, PhD (Brazil), Herberto Jose Chong Neto, MD, PhD (Brazil), Veronica Acosta, MD (Argentina), Alfonso Mario Cepeda, MD
 (Colombia), Mirta Alvarez Castello, MD (Cuba), Jose Santos Lozano Saenz, MD (Mexico), Juan C. Sisul, MD (Paraguay), Nelson Rosário Filho,
 MD PhD (Brazil), Marylin Valentin Rostan, MD (Uruguay), Antonio Castillo, MD (Dominican Republic), Claudia Almendarez, MD (Honduras),
 Hector Badellino, MD, PhD (Argentina), Raúl Lázaro Castro Almarales, MD, MSc (Cuba), Jennifer Avila (Brazil), Miguel Alejandro Medina
 Avalos, MD (Mexico), Maria Carolina Manotas, MD (Colombia), Mayda González León, MD (Cuba), Caridad Sanchez Silot, MD, MSc (Cuba),
 Carmen Fernandez, MD (Paraguay), Felicia Berroa Rodriguez, MD (Dominican Republic), Michel De La Cruz Betances, MD (Dominican
 Republic)
- Improvements in Quality of Life in Children with Allergic Rhinitis after Adenotonsillectomy | <u>Jung Ho Bae (Korea)</u>, Young Joo Cho, MD, PhD (Korea) and Joo Yeon Kim, MD, PhD (Korea)
- Prevalence of Doctor Diagnosed Atopic Eczema, during 2003-2014 in KOREA; Using Big Data of 48.1 Million Korean Health-Care Records | <u>Gwang-Cheon Jang (Korea)</u>, Hyun-Hee Lee, MD, PhD (Korea), Chang-Jong Lee (Korea) and Huynsun Lim, PhD (Korea)
- Risk Factors of Allergic Rhinitis in Preschool Children and Clinical Utility of FENO | <u>Jisun Yoon (Korea)</u>, Yean Jung Choi (Korea), Song-I Yang (Korea), Eun Lee (Korea), Hyun-Ju Cho (Korea), Ree-Nar Yoo (Korea), Young-Ho Kim (Korea), Young-Ho Jung (Korea), Ju-Hee Seo (Korea), Ji-Won Kwon (Korea), Bong-Seong Kim (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- 3160 Cord Blood Cytokines and Maternal Environmental Exposure during Pregnancy | <u>Soo Hyun Ri (Korea)</u>, Chang Hoon Lim, MD (Korea) and Wonhee Seo, MD, PhD (Korea)
- Prevalence of Allergic Rhinitis in 3-6-Year-Old (preschool) Children in Chiba City (Urban Area), Japan | Fumiya Yamaide (Japan), Syuji Yonekura, MD, PhD (Japan), Yuzaburo Inoue, MD, PhD (Japan), Yoshitaka Okamoto, MD, PhD (Japan) and Naoki Shimojo, MD, PhD (Japan)
- The Preliminary Study on Clinical Efficacy and Impact Factors of One Year's Dust Mite Specific Immunotherapy in Allergic Asthma and Rhinitis Children Sensitized to Dust Mite | Jing Wang (China), Xiaoying Liu (China), Qun Wang (China) and Li Xiang (China)
- A Pilot Study on the Outcomes of Respiratory Allergic Diseases at Pre-School Age in Chinese Infants with Atopic Dermatitis | *Qi Gao (China), Li Xiang (China) and Kunling Shen (China)*
- Respiratory Symptoms, Signs and Spirometry Indexes Comparision in 7-12 Years Old Girls in Esfahan Metropolis and Its Far Suburb | Mohammadreza Fatemi Khorasgani (Iran), Shima Hamidipour (Iran), Farhad Pajang, MD (Iran) and Naghme Eftekary (Iran)
- Changes in Pulmonary Function in the Treatment of Obesity in Children | <u>Keigo Kainuma (Japan)</u>, Takahiro Ito, MD (Japan), Yu Kuwahara, MD (Japan), Junya Hirayama, MD (Japan), Mizuho Nagao, MD, PhD (Japan) and Takao Fujisawa, MD, PhD (Japan)
- The Changes of Allergic Sensitization with Age in Children with Allergic Rhinitis | <u>Gwanghui Ryu (Korea)</u>, Hyo Yeol Kim, MD, PhD (Korea), Hun-Jong Dhong, MD, PhD (Korea), Seung-Kyu Chung, MD, PhD (Korea) and Sang Duk Hong, MD (Korea)
- Sensitization in Children with Atopic Dermatitis: A Single Center Study | <u>Ji Young Lee (Korea)</u>, Hea-Kyoung Yang, MD (Korea), Minji Kim, MD (Korea), Sang-Il Lee, MD, PhD (Korea), Kangmo Ahn, MD, PhD (Korea) and Jihyun Kim, MD, PhD (Korea)
- 3168 Changes of FENO and Nasal FENO Levels after Treatment in Pediatric Allergic Rhinitis | <u>Hyun-a Kim (Korea)</u>, Ha-Su Kim, MD (Korea), Woo Yong Bae, MD, PhD (Korea) and Jin-a Jung, MD, PhD (Korea)

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- A Case of 16-Year-Old Boy with Smoking-Induced Acute Eosinophilic Pneumonia | <u>Kang-in Kim (Korea)</u>, Young Cheon Park, MD (Korea), Taek-Ki Min, MD, PhD (Korea), Hyeon-Jong Yang, MD, PhD (Korea) and Bok-Yang Pyun, MD, PhD (Korea)
- The Epidemiology and Clinical Manifestation of HMPV Infection in Children during Recent 4 Years: 2011-2014 | <u>Meeyong Shin (Korea)</u> and Myeong Sun Jang (Korea)
- Increased Length of Hospitalization Associated with Infiltration on Chest Radiography in Pediatric Asthma Patients | <u>Jung Hyun Kwon (Korea</u>), Sang Hyun Lee, MD (Korea) and Wonhee Seo, MD, PhD (Korea)
- Rick Factors Associated with Longer Length of Stay in Infants Hospitalized with Respiratory Syncytial Virus Bronchiolitis | <u>Yena Lee (Korea)</u>, Suk Hee Han, MD (Korea), Suyeon Park (Korea), Taek-Ki Min, MD, PhD (Korea), Jeongho Lee, MD (Korea), Won-Ho Hahn, MD, PhD (Korea), Hyeon-Jong Yang, MD PhD (Korea) and Bok-Yang Pyun, MD, PhD (Korea)
- The Prevalence and Risk Factors of Atopic Dermatitis from Nationwide Study for Korean School Students | <u>Sunghee Lee (Korea)</u>, Ju-Hee Seo, MD (Korea), Hyun-Ju Cho, MD (Korea), Young-Ho Kim, MD (Korea), Eun Lee, MD (Korea), Go-Hun Seo (Korea), Hye Lim Shin, MS (Korea), Song-I Yang (Korea), Mina Ha (Korea), Eunae Burm (Korea), Kee-Jae Lee (Korea), Hwan-Cheol Kim (Korea), Sinye Lim (Korea), Hee-Tae Kang (Korea), Mia Son (Korea), Soo-Young Kim (Korea), Hae-Kwan Cheong (Korea), Yu-Mi Kim (Korea), Gyung-Jae Oh (Korea), Joon Sakong (Korea), Chul-Gab Lee (Korea), Sue Jin Kim (Korea), Yong-Wook Baek (Korea) and Soo-Jong Hong, MD, PhD (Korea)
- Pediatric Anaphylaxis at a University Hospital in Cheonan, Korea, 2013-2014 | <u>Jun Seak Gang (Korea</u>), Joon Soo Park, MD, PhD (Korea), Young Hwangbo MD, PhD (Korea), Hyun Jung Lee, MD, PhD (Korea), Hye Sun Kim, RN (Korea), Tae Ho Kim, MD (Korea), Hyun Ho Bang, MD (Korea), Kyeong Bae Park, MD, PhD (Korea), Gyeong Hee Yoo, MD, PhD (Korea), Seung Soo Kim, MD, PhD (Korea) and Young Chang Kim, MD, PhD (Korea)
- Association of Recurrent Wheeze with Lung Function and Airway Inflammation in Preschool Children | <u>Ji-Eun Soh (Korea)</u>, Ji-Won Kwon, MD (Korea), Hyung Young Kim, MD (Korea), Ju-Hee Seo, MD (Korea), Byoung-Ju Kim, MD (United States), Hyo-Bin Kim, MD (Korea), So-Yeon Lee, MD (Korea), Gwang-Cheon Jang, MD (Korea), Dae-Jin Song, MD (Korea), Woo Kyung Kim (Koreaw), Young-Ho Jung, MD (Korea), Soo-Jong Hong, MD, PhD (Korea) and Jung Yeon Shim, MD (Korea)
 - 3176 Transition of Allergic and Nonallergic Rhinitis after 2 Years in Korean Children: Preliminary Study | <u>Jae Hoon Cho (Korea)</u> and Ji Ho Choi, MD, PhD (Korea)
 - Clinical Care Program for Childhood Asthma (CCP-Childhood Asthma); A Multidisciplinary Team Care at Samitivej International Children's Hospital | <u>Wasu Kamchaisatian (Thailand)</u>, Thitikul Hiranras, MD (Thailand), Surinda Wongpun, RN (Thailand), Phornthip Chiraphorn (Thailand), Anupan Tantachun, MD (Thailand), Wannipa Wongrassamee, MD (Thailand), Planee Vatanasurkitt, MD (Thailand), Nartipa Somboonkul MD (Thailand), Nattipat Juthacharoenwong, MD (Thailand), Surangkana Techapaitoon MD (Thailand) and Montri Tuchinda, MD (Thailand)
 - Relationship between Serum Folate Levels and Risks of Allergic and Respiratory Diseases in Early Childhood: The Mothers and Children's Environmental Health Study | <u>Ja Hyeong Kim (Korea)</u>, Seol Jae Hee (Korea), Eun-Hee Ha, MD (Korea), Hyesook Park, MD (Korea), Mina Ha, MD (Korea), Yun-Chul Hong, MD (Korea), Yangho Kim, MD (Korea) and Namsoo Chang, PhD (Korea)
 - Seasonal Variation of Skin Symptoms in Atopic Dermatitis and Peak Expiratory Flow Rate in Asthma | Minji Kim (Korea), Young-Min Kim, PhD (Korea), Kangmo Ahn, MD, PhD (Korea), Ji Young Lee (Korea), Hea-Kyoung Yang(Korea), Hyunmi Kim (Korea), So Yeon Hong (Korea) and Jihyun Kim, MD (Korea)
 - Relationship Between Lipid Levels and Risks of Allergic and Respiratory Diseases in Early Childhood: The Mothers and Children's Environmental Health Study | <u>Ja Hyeong Kim (Korea)</u>, Eun-Hee Ha, MD (Korea), Hyesook Park, MD (Korea), Mina Ha, MD (Korea), Yun-Chul Hong, MD (Korea), Yangho Kim, MD (Korea), and Namsoo Chang, PhD (Korea)
 - Efficacy of Makyokansekito on Treatment of Wheezing Lower Respiratory Tract Infection in Children: A Retrospective Study of 68 Patients | Koji Nishimura (Japan), Hitomi Hino (Japan) and Kazuyo Kuzume (Japan)
 - Breast Feeding Increases the Risk of Food Sensitization but Does Not Affect Food Allergy in Young Children with Atopic Dermatitis | <u>Dong Chan Kim (Korea)</u>, An Deok Seo, MD (Korea), Song-I Yang, MD (Korea), Hae Ran Lee, MD, PhD (Korea) and So Yeon Lee, MD (Korea)
 - Comparison of the Dosage of Bronchodilators in the Bronchodilator Response Test in Children | <u>Ji Hyeon Baek (Korea)</u>, Seung Jin Lee, MD (Korea), Youhoon Jeon, MD, PhD (Korea), Kyung Suk Lee, MD, PhD (Korea), Young-Ho Jung, MD (Korea), Hye Mi Jee, MD (Korea), Youn Ho Shin, MD (Korea) and Man Yong Han, MD (Korea)
 - The Effect of Cord Serum 25-Hydroxyvitamin D (25(OH)D) on the Development of Atopic Dermatitis in First 3 Years of Life: Cocoa Study | Hyun-Ju Cho (Korea), Youn Ho Shin, MD (Korea), Eun Lee, MD (Korea), Young-Ho Kim, MD (Korea), Darae Lee, MD (Korea), Mi-Jin Kang, MS (Korea), Song-I Yang, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Kyung Won Kim, MD, PhD (Korea), Yoon Hee Kim, MD (Korea), Dongin Suh, MD (Korea), Hye-Sung Won (Korea), Soo Hyun Kim (Korea), Suk-Joo Choi (Korea), Young Han Kim (Korea), Jong Kwan Jun (Korea), Eun-Jin Kim (Korea), Jeom Gyu Lee (Korea), So-Yeon Lee, MD (Korea) and Soo-Jong Hong, MD, PhD (Korea)
 - Combined Use of Fractional Exhaled Nitric Oxide and Bronchodilator Response in Predicting Future Loss of Asthma Control Among Children with Atopic Asthma | Youn-Soo Hahn, MD (Korea) <u>Je-Kyung Kim (Korea)</u>, and Jae-Yub Jung, MD (Korea)
 - **3187** The Effectiveness of Oral Tolerance Induction for Wheat Allergy Using Two Different Intake Levels | Yuri Takaoka (Japan)
 - Prevalence and Clinical Characteristics of Local Allergic Rhinitis in Children | Min Sun Na (Korea), Young-Ho Jung, MD (Korea), Heysung Baek (Korea), Seung Jin Lee, MD (Korea), Ji Hyeon Baek (Korea), Jungwon Yoon (Korea), Sun Hee Choi (Korea), Youn Ho Shin, MD (Korea) and Man Yong Han, MD (Korea)

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3189	The Association between Serum Vitamin D Levels and Allergic Diseases in Elementary Schoolchildren <u>Hea-Kyoung Yang (Korea)</u> , Ji Young Lee, MD (Korea), Minji Kim, MD (Korea), Kangmo Ahn, MD, PhD (Korea), Jihyun Kim, MD, PhD (Korea), Young-Min Kim, PhD (Korea), Hye-Young Kim (Korea), Yong Mean Park, MD, PhD (Korea), Woo Kyung KIM, MD, PhD (Korea) and So-Yeon Lee, MD (Korea)
3190	Comparison between the Impulse Oscillometry System, Spirometry, FENO, Lung Clearance Index and Asthma Control and Exacerbation Status Seung Jin Lee (Korea), Bo Seon Seo (Korea), Ji Hyeon Baek (Korea), Kyung Suk Lee, MD, PhD (Korea), Young-Ho Jung, MD (Korea), Hye Mi Jee, MD (Korea), Youn Ho Shin, MD (Korea), Man Yong Han, MD (Korea) and Mi-Ae Kim, MD (Korea)
3191	EPIPEN4SCHOOLS® Program Pilot Survey: Characteristics and Treatment of Anaphylactic Events in a US School Setting Martha White, MD (United States), Suyapa Silvia, PhD (United States), Kelly Hollis, MBA (United States) Margaret J Wooddell (United States), and Susan Hogue (United States)
3192	Effects of Air Pollution on Allergic Rhinitis in Korea <u>Jisun Park (Korea)</u> , Yoon-Sung Park (Korea), Hae Ji Jang (Korea), Dae Hyun Lim, MD, PhD (Korea) and Jeong Hee Kim, MD, PhD (Korea)
3193	Exhaled Nitric Oxide in Korean Children with Allergic Rhinitis <u>Seung Hyun Moon (Korea)</u> , Chan Yang Kim (Korea), Hae Ji Jang (Korea), Yoon Sung Park (Korea), Dae Hyun Lim, MD, PhD (Korea) and Jeong Hee Kim, MD, PhD (Korea)
3194	Association between the Dyspnea Perception and the Degree of Bronchoconstriction or Airway Inflammation in Children with Suspected Asthma <u>Jun Hyuk Song (Korea)</u> , Hea Lin Oh, MD (Korea), Jungwon Yoon (Korea), Young Yull Koh, MD, PhD (Korea) and Dongin Suh, MD (Korea)
3195	The Association of Asthma Predictive Index with Asthma in Preschool Children with Recurrent Wheeze <u>Sung Joo Park (Korea)</u> , Ji-Won Kwon, MD (Korea), Woo Kyung Kim (Korea), Hyung Young Kim, MD (Korea), Hyo-Bin Kim, MD (Korea), Ju-Hee Seo, MD (Korea), So-Yeon Lee, MD (Korea), Gwang-Cheon Jang, MD (Korea), Young-Ho Jung, MD (Korea), Soo-Jong Hong, MD, PhD (Korea), Byoung-Ju Kim, MD (United States), Dae-Jin Song, MD (Korea), Yun Seok Yang, MD (Korea) and Jung Yeon Shim, MD (Korea)
3196	Relationship betweem Asthma Symptoms and Overweight/Obesity in Children <u>Audrey M. I. Wahani (Indonesia)</u> , Sansan Suhelda, MD (Indonesia), Patricia Yulita Gunawan, MD (Indonesia) and Praisilia Najoan, MD (Indonesia)
3197	Vitamin D Level and the Correlation with IgE in Children with Allergic Respiratory Diseases in Guangzhou China <u>Huimin Huang (China)</u> , Baoqing Sun, MD (China), Yun Chen, MD (China), Peiyan Zheng, MD (China), Nili Wei (China) and Wenting Luo, MD (China)
3198	The Risk Factors and Lung Function of Current Allergic Rhinitis Due to Dust Mite Sensitization <u>Euncho Chung (Korea)</u> , Jeewon Park, MD (Korea), So Yeon Lee, MD (Korea), Yean Jung Choi, PhD (Korea), Soo-Jong Hong, MD, PhD (Korean) and Kang Seo Park, MD (Korea)
3199	Clinical Profile of Allergic Rhinitis in Children in Jakarta <u>Wahyuni Indawati (Indonesia)</u>

12:30 - 13:30 POSTER SESSIONS 4

POS 4-1: Drug Allergy Hall D Pre-Function

- Chairpersons: Revaz Sepiashvili (Russia) and Edgardo Jares (Argentina)
- 4000 A Case of Ofloxacin-Induced Anaphylaxis By Non-IgE, but Specific IgG4-Mediated Responses | <u>Daehong Seo (Korea)</u>, Ji Hye Kim, MD (Korea), Young-Mok Lee, MD (Korea), Young Min Ye, MD, PhD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- 4001 Anaphylactic Reaction after Inhalation of Budesonide | <u>Mary Lee-Wong (United States)</u>, Suzanne McClelland (United States), Christian E. Song, MD (United States) and Nanette B. Silverberg, MD (United States)
- Clinical Features and Course of Hypersensitivity Reactions to Paclitaxel | <u>Byung-Keun Kim (Korea)</u>, Min-Koo Kang, MD (Korea), Jiyoung Lee (Korea), Ju-Young Kim, MD (Korea), Woo-Jung Song, MD (Korea), Hye-Ryun Kang, MD, PhD (Korea), Heung Woo Park, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Kyung-up Min, MD, PhD (Korea)
- **4003** Successful Rapid Desensitization to Glatiramer Acetate: Report of 2 Cases | Fotis Psarros (Greece), Spyridon Chrysoulakis (Greece), Ekaterini Politi (Greece) and Ekaterini Syrigou (Greece)
- 4004 Isoniazid/Rifampicin-Specific T-Cell Responses in Patients with Anti-Tuberculosis —Induced DRESS Syndrome | <u>Seung-Hyun Kim (Korea)</u>, Young Min Ye, MD, PhD (Korea), Gyu Young Hur, MD, PhD (Korea), Sang-Heon Kim, MD (Korea), Young-Koo Jee, MD (Korea) and Hae-Sim Park, MD, PhD (Korea)
- 4005 Chlorhexidine Anaphylaxis: A Report of Two Cases | <u>Jose Antonio Navarro (Spain)</u>, Maria Ascension Aranzabal, MD (Spain), Alejandro Joral, MD (Spain), Susana Lizarza, MD (Spain), Miguel Echenagusia, MD (Spain) and EVA Maria Lasa, MD (Spain)
- Drug Allergy in Pregnant Adolescents: Relation with Familial and Personal Atopy, and Substances Use | <u>Francisco Vazquez-Nava (Mexico)</u>, Carlos F Vázquez-Rodriguez (Mexico), Octelina Castillo Ruiz (Mexico) and Eliza M Vazquez Rodriguez, MD (Mexico)
- **4007** Drug Allergy in Children: A Three-Years Experience at Dr. Kariadi Hospital Semarang Indonesia | <u>Ani Wistiani (Indonesia)</u> and Galuh Hardaningsih (Indonesia)
- Association between Genetic Polymorphisms of Costimulatory Molecules and Antituberculosis Drugs Induced Hepatitis | <u>Sang-Heon Kim (Korea)</u>, Sang-Hoon Kim, MD (Korea), Jang Won Sohn, MD (Korea), Ho Joo Yoon, MD (Korea), Dong Ho Shin, MD (Korea), Jae Hyung Lee, MD (Korea), Byoung Hoon Lee, MD (Korea), Youn-Seup Kim, MD (Korea), Jae-Seuk Park, MD (Korea) and Young-Koo Jee, MD (Korea)
- The Hidden Culprit: A Case of Repeated Anaphylaxis from Cremophor Hypersensitivity | Sehyo Yune, MD (Korea), Jin-Young Lee, MD, PhD (Korea), Jihye Kim, MD (Korea), Young Nam Kim (Korea), Young Eun Kim (Korea), Yongseok Lee (Korea), Jae-Won Paeng (Korea), Mi-Jin Jang (Korea), Dong-Chull Choi, MD, PhD (Korea) and Byung-Jae Lee, MD, PhD (Korea)
- 4010 Anaphylactic Reaction to Famotidine with Pheniramine Hypersensitivity | *Ilkay Koca Kalkan (Turkey)*
- Successful Outcomes of Severity Based Premedication for the Prevention of Iodinated Contrast Media Hypersensitivity | <u>Suh Young Lee (Korea)</u>, Ju-Young Kim, MD (Korea), Min Suk Yang, MD (Korea), Younghun Choi, MD (Korea), Changmin Park, MD (Korea), Woo-Jung Song, MD (Korea) and Heung Woo Park, MD, PhD (Korea)
- 4012 A Case of Pranlukast Induced Anaphylactic Shock | <u>Sujeong Kim (Korea)</u>, Hye-Jin Jung, MD (Korea), Jung-Wha Park, MD (Korea), Sun Jin, MD (Korea) and Jong-Myung Lee, MD, PhD (Korea)
- Genome-Wide Association Study (GWAS) May Identify Common Genetic Variations Both in Immediate and Delayed Drug Hypersensitivity | So-Young Park (Korea), Eun-Soon Shin, PhD (Korea), Hyo-Jung Kim, MD (Korea), Jung-Hyun Kim, MD (Korea), Bomi Seo, MD (Korea), Min-Gu Kim, MD (Korea), Yoon Su Lee, MD (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), You Sook Cho, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and Tae-Bum Kim, MD, PhD
 - 4014 Characteristics of Serious Adverse Drug Reactions in a Tertiary University Hospital | <u>Cheol-Woo Kim (Korea)</u>, Jae Hwa Cho, MD (Korea), Ji Young Kang (Korea), Mi Ra Eom (Korea) and Hye Gyeung Lee (Korea)
 - 4015 Incidence of Adverse Reaction to Radioconstrast Media in a Single Tertiary Hospital | Eun Jung Sim (Korea), Sora Yoon (Korea), Juwhan Choi, MD (Korea), Junga Kim, MD (Korea), Jae Keom Sim, MD (Korea), Jee Youn Oh, MD (Korea) and Gyu Young Hur (Korea)
 - Clinical Utility of Basophil Activation Test (BAT) in the Diagnosis of Drug Induced Anaphylaxis | <u>Joo-Hee Kim (Korea)</u>, Young-Sook Jang, Msc (Korea), Jeong-Hee Choi, MD, PhD (Korea), Sunghoon Park, MD, PhD (Korea), Young Il Hwang, MD, PhD (Korea), Seung Hun Jang, MD, PhD (Korea) and Ki-Suck Jung, MD, PhD (Korea)
 - Delayed Contrast Media Hypersensitivity after Coronary Angiography | <u>Gun-Woo Kim (Korea)</u>, Ju-Young Kim, MD (Korea), Jin Lee (Korea), Ji Young Lee (Korea), Ji Young Go (Korea), So Jung Park (Korea), Hyo-Soo Kim, MD, PhD (Korea), Sang-Heon Cho, MD, PhD (Korea), Jung Gyu Han, MD, PhD (Korea) and Hye-Ryun Kana, MD, PhD (Korea)
 - Anaphylactoid Reactions to N-Acetylcysteine in the Treatment of Aacetaminophen Overdose | <u>Young-Hee Nam (Korea)</u>, Dong Sub Jeon, MD (Korea), Hee-Joo Nam (Korea), Yeo Myeong Noh (Korea), Sang Hee Kim (Korea), Ye Suel Park (Korea) and Soo-Keol Lee, MD, PhD (Korea)
 - 4019 Atypical Antipsychotics and Anticholinergic Agents Mimicking Anaphylaxis | Anthony Elias, BSc MD (Australia), Susannah Olivia Lauer, BSc (Korea), Dinh Van Nguyen, MD MM (Korea) and Sheryl van Nunen (Australia)
 - Analysis of Individual Case Safety Reports of Drug-Induced Anaphylaxis Based on Korea Adverse Event Reporting System Database | <u>Kyung-Hwan Lim (Korea)</u>, Mingyu Kang, MD (Korea), Ju-Young Kim, MD (Korea), Jae Woo Jung Hyun Jeong Kim (Korea), Yeon-Ju Woo (Korea), Soo-Youn Jung (Korea) and Hye-Ryun Kang, MD, PhD (Korea)
 - 4021 Clinical Characteristics and the Associated Factors of ATG Hypersensitivity Reaction | <u>Ha Kyeong Won (Korea)</u>, Sung Do Moon, MD (Korea), Ji-Su Shim (Korea), Soo Jie Chung (Korea), Min-Koo Kang, MD (Korea), Byung-Keun Kim, MD (Korea), Ju-Young Kim, MD (Korea), Sang-Heon Cho, MD, PhD (Korea) and Hye-Ryun Kang, MD, PhD (Korea)

12:30 - 13:30 POS 4-2: Immunology

Hall D Pre-Function

Chairpersons: J. David Edgar (United Kingdom), Ricardo Sorensen (United States), Bruce Bochner (United States), Sang-Heon Kim (Korea), You Sook Cho (Korea), Young Il Koh (Korea)

- 4022 The Altered Distribution of Follicular T Helper Cells May Predict a More Pronounced Clinical Course of Primary Sjögren's Syndrome | Margit Zeher (Hungary)
- 4023 Dietary Intake and Perceived Immune Status in Young Dutch Women | <u>Aurora van De Loo (Netherlands)</u>, Amanda Fernstrand (Netherlands), Johan Garssen (Netherlands) and Joris Verster (Netherlands)
- 4024 Cysteine Protease Allergen Der f 1 Induces Th2 Cytokines in Mouse Bone Marrow Derived Basophils Via ERK and JNK Dependent Pathways | Myung-Hee Yi (Korea), Kyoung Yong Jeong, PhD (Korea), Ju-Yeong Kim, MD (Korea) and Tai-Soon Yong, MD, PhD
- 4025 Steinert (DM1) Patients Have IaG1 Deficiency and Should be Screened for Immune Deficiency | K van Bilsen (Netherlands), O. Manusama (Netherlands), WA Dik, PhD (Netherlands), M. Van Der Burg, Ph (Netherlands), DV.H.J. Van Der Velden, PhD (Netherlands), V.a.S.H. Dalm, MD, PhD (Netherlands) and P.M. Van Hagen, MD, PhD (Netherlands)
- 4026 The Efficacy and Safety of Peanut Oral Immunotherapy in High-Dose with Predicting Factors | Ishaq M (Pakistan), Sameera MI Khan, MD (United States), Imran Khan (United States) and Sabeen Khan (United States)
- 4027 Cyclic Gamp-AMP (cGAMP) Induces Allergic Inflammation | Koji Ozasa (Japan), Etsushi Kuroda, PhD (Japan) and Ken Ishii, MD, PhD (Japan)
- 4028 Colabomycin E, a Streptomycete-Derived Secondary Metabolite, Inhibits Proinflammatory Cytokines in Human Monocytes/Macrophages | Ilia Striz (Czech Republic), Eva Cecrdlova, MSc (Czech Republic), Katerina Petrickova, PhD (Czech Republic), Libor Kolesar, PhD (Czech Republic), Alena Sekerkova, MSc (Czech Republic), Veronika Svachova, MSc (Czech Republic) and Miroslav Petricek, PhD (Czech Republic)
- 4029 ATP, A Danger Signal, Activates Human Eosinophils via P2 Purinergic Receptors | Takehito Kobayashi (Japan), Tooru Noquchi, MD (Japan), Kazuyuki Nakagome, MD, PhD (Japan), Tomoyuki Soma, MD, PhD (Japan), Hidetomo Nakamoto, MD, PhD (Japan), Hirohito Kita, MD (Japan) and Makoto Nagata, MD, PhD
- 4030 Asymptomatic Bacteruria Increases the Risk of Edematous Attacks in Patients with Hereditary Angioedema due to C1 Inhibitor Deficency (C1-INH-HAE) | Zsuzsanna Zotter (Hungary), Lilian Varga, PhD (Hungary), Nora Veszeli, MSc (Hungary), Eva Imreh, MD PhD (Hungary), Gabor Kovacs, MD (Hungary), Marsel Nallbani, MD (Hungary) and Henriette Farkas, MD, PhD, DSc (Hungary)
- 4031 Inflammatory Responses of Human Adipose-Tissue Derived Stem Cells to LPS and Nanoparticles | Hee-Kyoo Kim (Korea), Gil-Soon Choi, MD (Korea), Jeonghoon Heo, PhD (Korea), Young-Ho Kim, PhD (Korea) and Eun-Kee Park, PhD (Korea)
- 4032 SCIg Patient Preference Pump versus Push | Karlee Trafford (Canada)
- 4033 Continuous B Cell Stimulation with CD40 Ligand Induce IgE Isotype Switching | Jae Ho Lee (Korea) and Sejin An, MD (Korea)
- 4034 Th2 Dominant Airway Inflammation Induced By House Dust Mite Chitin Is Dependent on TNF-a and NKT Cell | Da-Il Yoon (Korea), Jun-Pyo Choi. PhD (Koera), Han-Byul Choi, MD (Korea), Hyeon-Il Choi, PhD (Korea) and Yoon-Keun Kim, MD, PhD (Korea)
- Toll-Like Receptor 2 Mediates a Cutaneous Reaction Induced by Repetitive Ultraviolet B Irradiation in C57/BL6 Mice in Vivo | Min-Woo Kim 4035 (Korea) and Hyun Sun Park, MD, PhD (Korea)
- 4036 The Role of Local Antibody Responses in the Nasal Inflammation of Allergic Rhinitis (AR) Patients | Ji Hye Kim (Korea), Young Mok Lee, MD, PhD (Korea), Moon Gyeong Yoon, M.S (Korea), Daehong Seo, MD (Korea), Yoo Seob Shin, MD, PhD (Korea), Young Min Ye, MD, PhD (Korea) and Hae-Sim Park, MD, PhD
- 4037 A Case of Eosinophilic Granulomatosis with Polyangiitis Accompanied by Rapidly Progressive Glomerulonephritis | Sang Min Lee, MD, PhD (Korea), Yu Jin Kim (Korea), Sojeong Kim, MD (Korea), Shin Myung Kang, MD, PhD (Korea), Sun Young Kyung, MD, PhD (Korea), Sung Hwan Jeong, MD, PhD (Korea), Jeong-Woong Park, MD, PhD (Korea), Hyunjung Hwang, MD (Korea), Yong Han Seon, MD, PhD (Korea), Sanghui Park, MD, PhD (Korea) and Sang Pyo Lee, MD, PhD (Korea)
- 4039 Sonic Hedgehog Signaling: Evidence for Its Protective Role in Endotoxin Induced Acute Lung Injury Mouse Model | Xing Chen (China), Yuting Jin (China), Xiaoming Hou, MD (China), Fenggin Liu, MD (China), Chunyan Guo, MD (China) and Yulin Wang, PhD (China)
- 4040 Clinical and Laboratory Screening of Primary Immunodeficiency Diseases: International Effects | Nima Rezaei (Iran)
- 4041 Higher IgE Antibody Levels Mediate Anti-Cancer Immunity in Transgenic KN1 Hyper-IgE Mice | Judit Fazekas (Austria), Josef Singer (Austria), Anna Lukschal (Austria), Reinhard Horvat (Austria), Gernot Achatz (Austria), Gertrude Achatz-Straussberger (Austria) and Erika Jensen-Jarolim (Austria)
- Acute Exposure to Silica Nanoparticles Aggravate Airway Inflammation: Different Effects According to Surface Characteristics | Hye Juna Park 4042 (Korea), Jung-Ho Sohn, BS (Korea), Yoon-Jo Kim (Korea), Yoon Hee Park (Korea), Heejae Han (Korea), Kyung Hee Park, MD (Korea), Kangtaek Lee, PhD (Korea), Kiju Umln-Hong Choi, PhD (Korea), Jung-Won Park, MD, PhD (Korea), Jae-Hyun Lee, MD, PhD (Korea) and Ji Ye Park. MD (Korea)
- 4043 Clusterin Modulates Allergic Airway Inflammation by Attenuating CCL20-Mediated Dendritic Cell Recruitment | Gyong Hwa Hong (Korea), Hyouk-Soo Kwon, MD, PhD (Korea), Keun Ai Moon, MS (Korea), So Young Park, MD (Korea), Sunjoo Park, PhD (Korea), Kyoung Young Lee, BS (Korea), Eun Hee Ha, BS (Korea), Tae-Bum Kim, MD, PhD (Korea), Hee-Bom Moon, MD, PhD (Korea) and You Sook Cho, MD, PhD
- 4044 German Cockroach-Induced Matrix Metalloproteinases Modulate Intercellular Junction Proteins in Airway Epithelial Cells | Kyung Eun Lee (Korea), Jung Yeon Hong (Korea), Mi Na Kim (Korea), Kyung Won Kim, MD, PhD (Korea), Kyu-Earn Kim, MD, PhD (Korea), Hye Mi Jee, MD (Korea) and Myung Hyun Sohn, MD, PhD (Korea)

Abstracts receiving awards will be identified with 🎥 next to the Abstract Number.



- Two Cases of Good's Syndrome: A Rare Acquired Immunodeficiency Associated with Thymoma | <u>Suk Yeon Kim (Korea)</u>, Joo-Hee Kim, MD (Korea), Sunghoon Park, MD, PhD (Korea), Young II Hwang (Korea), Seung Hun Jang, MD, PhD (Korea), Ki-Suck Jung (Korea), Ha Won Hwang (Korea) and Kwang Youn Kim (Korea)
- 4046 Contribution of Stem Cell Factor Autocrine/Paracrine Mechanism to Aberrant Proliferation of Mast Cells | <u>Yosuke Amagai (Japan)</u>, Akane Tanaka, DVM, PhD (Japan) and Hiroshi Matsuda, DVM, PhD (Japan)
- **4047** Diffuse Alveolar Hemorrhage with Positive Anti-Neutrophil Cytoplasmic Antibody in a Child: A Case Report | *Moo-Young Oh, MD (Korea) and Sung-Woo Kim (Korea)*
- **4048** Failure to Recognize Lymphopenia in Newborn Leads to Undetectable Primary Immunodeficiency | Endah Citraresmi (Indonesia)
- 4049 Lipopolysaccharide Signaling through Toll- like Receptor 4 Could be Augmented By Dermatophagoides Farinae in the Human Middle Ear Epithelial Cell | Ji-Eun Lee (Korea), Dona-Young Kim, MD, PhD (Korea) and Chae-Seo Rhee, MD, PhD (Korea)
- **4050** Mannan-Binding Lectin Serum Levels in Atopic Mongolian Adults | <u>Enkhbayar Bazarsad (Mongolia)</u>
- SIRT1 Contributes to LPS-Induced Lung Inflammation with Building a Cooperative System with Mitochondrial ROS Generation | Yong Chul Lee (Korea), So Ri Kim, MD, PhD (Korea), Hee Jung Kim, PhD (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- Long-Term Outcomes of Twenty-Four Adults with Primary Immunodeficiency from a Single Centre in Singapore | <u>Hiok Hee Chng (Singapore)</u>, Khai Pang Leong (Singapore), Faith Chia (Singapore), Grace Chan (Singapore), Chwee Ying Tang (Singapore), Justina Tan (Singapore), Sze-Chin Tan (Singapore), Teck Choon Tan (Singapore), Jinfeng Hou (Singapore) and Bernard Thong, MBBS, FRCP (Singapore)
- Diversity of Clinical Manifestations and Treatment Responses for Idiopathic Hypereosinophilic Syndrome | <u>Joo-Hee Kim (Korea)</u>, Sunghoon Park, MD, PhD (Korea), Young Il Hwang, MD, PhD (Korea), Seung Hun Jang, MD, PhD (Korea) and Ki-Suck Jung, MD, PhD (Korea)
- Case Reports of Stevens-Johnson Syndrome and Stevens-Johnson Syndrome-Toxic Epidermal Necrolysis in Systemic Lupus Erythematosus | <u>Reni Ghrahani (Indonesia)</u>, Budi Setiabudiawan, MD, PhD (Indonesia), Gartika Sapartini, MD (Indonesia) and Muhammad Akbar Tirtosudiro (Indonesia)
- **4055** Mannan-Binding Lectin Serum Levels in Healthy Mongolian Adults | *Enkhbayar Bazarsad (Mongolia)*
- Interplaly Between TLR4 and VEGF Signaling Pathways Activate NLRP3 Inflammasome in LPS-Induced Lung Inflammation | <u>So Ri Kim (Korea)</u>, Yong Chul Lee, MD, PhD (Korea), Hee Jung Kim, PhD (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- **4057** Early Onset of Psoriasis Juvenile Idiopathic Arthritis | <u>Budi Setiabudiawan (Indonesia</u>), Reni Ghrahani, MD (Indonesia), Gartika Sapartini, MD (Indonesia) and Fiska Febriana, MD (Indonesia)
- Antigen-Specific IgA Plays an Important Role in Mucosal Immune Response in Allergic Children: Measurement of Secretory IgA and Antigen-Specific IgA | Yosuke Baba (Japan), Tomoaki Yokokura, MD (Japan), Asuka Honjoh, MD (Japan), Sususmu Yamazaki, MD, PhD (Japan), Eisuke Inage, MD, PhD (Japan), Mari Mori, MD, PhD (Japan), Yoshikazu Ohtsuka, MD, PhD (Japan) Masato Kantake, MD, PhD (Japan) and Toshiaki Shimizu, MD, PhD (Japan)
- Polyhexamethylene Biguanide-Induced Pulmonary Fibrotic Inflammation Can be Controlled By the Modulaiton of ER Stress Linked to TGF-Beta Production | <u>So Ri Kim (Korea)</u>, Yong Chul Lee, MD, PhD (Korea), Dong Im Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- Intensified B Lymphocyte Depletion (IBLD) without Immunosuppressive Maintenance Treatment as a Rescue Therapy in Refractory Lupus Nephritis (LN): A 4-Year Observation | Roccatello Dario (Italy)
- Evaluation of Serum Levels of Osteopontin as a Potential Biomarker of Immune Activation in Patients with Allergic Diseases | Elisa Villa (Italy), Rosalba Minisini, PhD (Italy), Olaf Rötzschke, PhD (Singapore), Anand Andiappan, PhD (Singapore), Elena Boggio, PhD (Italy), Luca Gigliotti, PhD (Italy), Nausicaa Clemente, PhD (Italy), Annalisa Chiocchetti, MD (Italy), Umberto Dianzani, Prof, MD (Italy) and Mario Pirisi, Prof, MD (Italy)
- The Interaction Between Two Subcellular Organelles-Induced Stress Contributes to Pulmonary Fibrotic Inflammation | <u>Yong Chul Lee (Korea)</u>, So Ri Kim, MD, PhD (Korea), Dong Im Kim, PhD (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- **4063** IL-6 Blockade as a Steroid-Sparing Treatment for Rhupus Patients | <u>Daniela Rossi (Italy)</u> and Roccatello Dario, MD (Italy)
- Chitotriosidase Regulation of Allergen-Induced Airway Inflammation Airways Hyperresponsiveness and Foxp3+ Treg Cells | <u>Jung Yeon Hong</u>
 (Korea), Myung Hyun Sohn, MD, PhD (Korea), Mi Na Kim (Korea), Kyung Eun Lee, PhD (Korea), Kyu-Earn Kim, MD, PhD (Korea), Chun Geun
 Lee, MD, PhD (Korea) and Jack a. Elias, MD, PhD (Korea)
- Bleomycin-Induced Pulmonary Fibrotic Inflammation Can be Attenuated By the Inhibition of ER Stress Linked to Production of Decorin | <u>Yong Chul Lee (Korea)</u>, So Ri Kim, MD, PhD (Korea), Kyung Bae Lee, MS (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)
- PI3K-Delta Isoform Aggravates Fungus-Induced Eosinophilic Allergic Airway Inflammation through the Induction of ER Stress | <u>Yong Chul Lee (Korea)</u>, So Ri Kim, MD, PhD (Korea), Kyung Bae Lee, MS (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea), Seung Yong Park, MD, PhD (Korea) and Jae Seok Jeong, MD (Korea)
 - Necrox Compounds Attenuate Pulmonary Fibrotic Inflammation through the Modulation of ER Stress-Associated Inflammatory Responses | <u>Yong Chul Lee (Korea)</u>, So Ri Kim, MD, PhD (Korea), Kyung Bae Lee, MS (Korea), Hae Jin Park, MS (Korea), Soon Ha Kim, PhD (Korea), Yang Keun Rhee, MD, PhD (Korea), Heung Bum Lee, MD, PhD (Korea), Seoung Ju Park, MD, PhD (Korea), Yeong Hun Choe, MD, PhD (Korea) and Seung Yong Park, MD, PhD (Korea)

- Cytokine Production upon House Dust Mite Stimulation of Cord Blood Mononuclear Cells from Caesarean Section-Delivered Singaporean Infants | Anne Goh (Singapore), Chua Mei Chien (Singapore), Wen Chin Chiang (Singapore), Rajeshwar Rao (Singapore), Bindu Nandanan (Singapore), Ruurd Van Elburg (Netherlands), Juandy Jo (Singapore), Johan Garssen, MD, PhD (Netherlands), Leon Knippels, PhD (Netherlands), Elena Sandalova, PhD (Singapore), Bindu Nandanan (Singapore) and Elena Sandalova, PhD (Singapore)
- 4069 Inhalation of Fine Particles Kill Alveolar Macrophages to Release IL-1 alpha That Promote Inducible Bronchus-Associated Lymphoid Tissue (iBALT) Formation | Etsushi Kuroda (Japan), Koji Ozasa, MD (Japan) and Ken Ishii, MD, PhD (Japan)
- 4070 IgE Immunoadsorption Knocks Down Anaphylaxis | <u>Alessandro Fiocchi (Vatican City)</u>, Maria Cristina Artesani, MD (Vatican City), Paola Francalanci, MD (Vatican City), Lamia Dahdah, MD (Vatican City) and Thomas Schreiner, MD (Germany)
- The Integrated Analysis of Correlation Between Total IgE and Other Immunological Factors in Allergic Diseases | <u>Woo-Sung Chang (Korea)</u>, Hye-Sun Lim, PhD (Korea), Dankyu Yoon, PhD (Korea), Ji-Hye Do (Korea), Yeon-Seop Kim (Korea), Jeom-Kyu Lee, PhD (Korea) and Eun-Jin Kim, PhD (Korea)
- Anti-FceRi Antibody Inhibits Allergic March in Mice by Suppressing Th17 Pathway Via Suppression of Fclpri-Mediated Mast Cells Activation | Seung-Hwa Lee (Korea), Seon-Joo Yoon (Korea), Ha-Jung Kim (Korea), Eun Lee, MD (Korea), Song-I Yang, MD (Korea), Young-Ho Jung, MD (Korea), Ho-Sung Yu (Korea), Hee-Suk Kim (Korea), Yeon Hee Park (Korea), So-Yeon Lee, MD (Korea), Jun-Sung Park (Korea) and Hyun Ok Jun (Korea)

12:30 - 13:30 POS 4-3: Allergy Prevention and Risk Factors

Hall D Pre-Function

Chairpersons: Hugo P.S. Van Bever (Singapore), Alessandro Fiocchi (Vatican City), Juan Carlos Ivancevich (Argentina)

- The Association between Asthma and Depression in Korean Adult: An Analysis of the Fifth Korea National Health and Nutrition Examination Survey (2010-2012) | <u>Lee Ju Suk (Korea)</u>
- **4074** Development of Allergen ELISA Kits for Dust Mites, Pollen, and Pet Dander | <u>Kyohei Nishikawa (Japan)</u>, Takashi Shimada, PhD (Japan), Hiroshi Yasueda, PhD (Japan), Tadao Enomoto, MD, PhD (Japan), Daisuke Aizawa (Japan) and Takayoshi Kobayashi, PhD (Japan)
- Association between Obesity, Abdominal Obesity and Adiposity and the Prevalence of Atopic Dermatitis in Young Korean Adults: The Korea National Health and Nutrition Examination Survey, 2008–2010 | <u>Ji Hyun Lee (Korea)</u>, Sang Soo Choi (Korea), Kyung Do Han (Korea), Han Mi Jung (Korea), Young Hoon Youn (Korea), Jun Young Lee, MD, PhD (Korea), Yong Gyu Park (Korea), Seung-Hwan Lee (Korea) and Young Min Park. MD. PhD (Korea)
- 4076 Study of Incidence of Severe Persistent Allergic Rhinitis in Different Age Groups, Sex Prevalance and Type of Allergen, Aeroallergen or Food Allergen Responsible for Severe Persistent Allergic Rhinitis in Central India | Subir Jain (India)
- Associations of Natural History and Environmental Factors with Asthma Among Children in Rural and Urban Areas of Guangdong, China |

 <u>Zhaowei Yang (China)</u>, Jing Li, MD (China), Mulin Feng (China), Marjut Roponen, PhD (Finland), Bianca Schaub, MD (Germany) and Gary WK Wong, MD (Hong Kong)
- **4078** Factors Related to the Seasonal Variation of Allergic Rhinitis | <u>Jae Young Kim (Korea)</u>, Jaechul Song, MD (Korea), Inah Kim (Korea), Soo Yong Roh (Korea), Kyeong Joon Lee (Korea) and Soo Jin Park (Korea)
- 4079 Relationship between Allergic Rhinitis and Mental Health in Korea Do Hyun Kim (Korea) and Soo Whan Kim, MD (Korea)
- 4080 Allergic Risk Survey in Lao Children at Out-Patient Department, Children's Hospital, Vientiane Capital, Lao PDR | <u>Somxay Billamay (Laos)</u> and Sodaly Mongkhoune (Laos)
- Association between Respiratory Symptoms and Exhaled Nitric Oxide in Afghanistan | Woo Kyung KIM (Korea), Hae-Sun Yoon, MD, PhD (Korea), Woo Kyung KIM, MD, PhD (Korea) and Hae-Sun Yoon, MD, PhD (Korea)
- The Association Between Pollen Change and Asthma Attacks | <u>Soo Yong Roh (Korea)</u>, Jaechul Song, MD (Korea), Ji-Hoon Lee, MD (Korea), Hogil Kim, MD Korea), Kyeong Joon Lee (Korea), Jae Young Kim (Korea) and Soo Yong Roh (South Africa)
- 4083 GIS-based Association between PM10 and Allergic Diseases in Seoul: Implication for Health and Environmental Policy | <u>Sungchul Seo (Korea)</u>, Hyunwook Lim, MD (Korea), Dohyeong Kim, PhD (United States), Young Yoo, MD, PhD (Korea) and Ji Tae Choung, MD, PhD (Korea)
- Healthy Ageing Research Center (HARC) As a Platform for Multidisciplinary Approaches to Respiratory Research in the Elderly | <u>Marek L. Kowalski (Poland)</u>, Aleksandra Wardzynska, MD (Poland), Marcin Kurowski, MD, PhD (Poland), Malgorzata / Ewa Pawelczyk, PhD (Poland), Adam Wysokinski, MD (Poland), Iwona Kloszewska, MD (Poland), Janina Grzegorczyk, PhD (Poland), Wojciech Piotrowski, MD (Poland) and Joanna Makowska, MD, PhD (Poland)
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- Clinical Characteristics and Ten-Year Trend of Peripheral Blood Eosinophilia among Health Screening Program Recipients at a Tertiary Hospital of South Korea | Jae Chol Choi (Korea), Jae Woo Jung (Korea), Jong Wook Shin (Korea), In Won Park (Korea), Byoung Whui Choi, MD, PhD (Korea) and Jae Yeol Kim (Korea)
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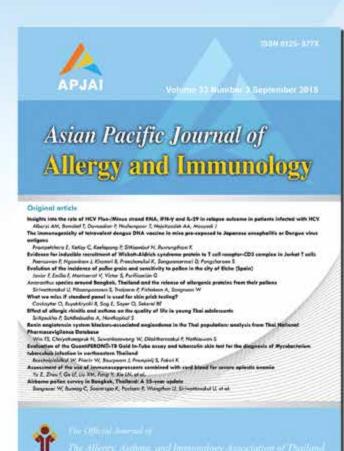
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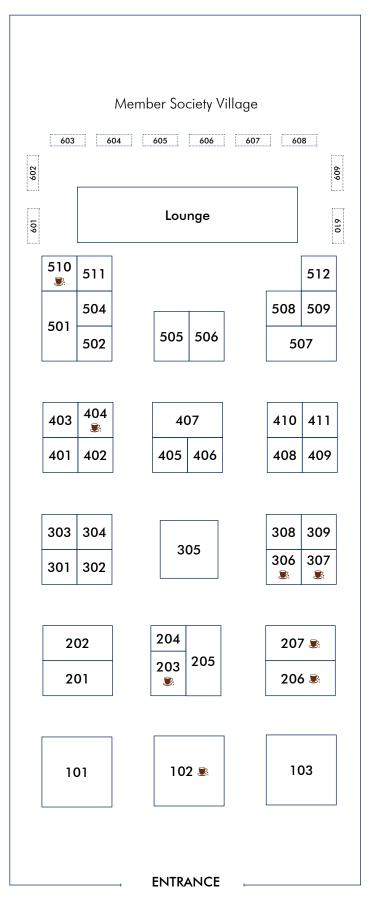
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Telephone: +82-2-780-3928 Fax: +82-2-786-4991 Contact: allerpha@allerpha.com

Allergopharma is one of the leading companies in the field of allergen immunotherapy (AIT).

Product: Novo-Helisen Depot, Allergovit, Diagnostic Allergen extract

Alvogen Korea

Booth 406

13 Fl. Two IFC Bldg., 10, Gukjegeumyung-ro, Yeondeungpo-gu, Seoul, Korea Telephone: +82-2-2047-7765, +82-10-9257-4946

Fax: +82-2-443-5757 Contact: yhlee.kunwha.com

Alvogen is the next generation pharmaceuticals company. Our business model ensures competitive advantage through focused in-house capabilities and a network of partners for enhanced speed and flexibility. Alvogen currently has commercial operations in 34 countries around the globe, with regional hubs based in North America, Romania and Taiwan.

Our passionate team is committed to continue to grow our business around the world and to becoming a top 10 global generic pharmaceuticals player. North America is our largest market with over 60 pending ANDA filings. Other markets include Romania, Hungary, Korea, Taiwan, Bulgaria and China.

Alvogen is already well advanced in the field of biopharmaceuticals and currently markets several biosimilars in selected regions through strategic alliances.

American Academy of Allergy, Asthma & Booth 608 Immunology (AAAAI)

555 East Wells Street, Suite 1100, Milwaukee, WI 53202, USA

Telephone: +1 414-272-6071 Fax: +1 414-272-6070

Contact: Roberta Slivensky, CAE, Associate Executive Director

The American Academy of Allergy, Asthma & Immunology (AAAAI) represents allergists, asthma specialists, clinical immunologists, allied health professionals and others with a special interest in the research and treatment of allergic and immunologic diseases. Established in 1943, the AAAAI has nearly 7,000 members in the United States, Canada and 72 other countries.

Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI)

Booth 602

University of Ulsan, Asan Medical Center 388-1 Pungnap-dong, Songpa-gu, Seoul 138-736. Korea

Telephone: + 82-2 3010-3281 Fax: + 82-2 3010-6969

Contact: secretary-general@apaaaci.org or addchang@snu.ac.kr

The Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI) is an association of national societies of Allergy and Clinical Immunology in the Asia Pacific region. The objectives of APAAACI are to promote: Exchange and progress of knowledge on allergy, asthma, and clinical immunology in this region. Exchange in training programs between member countries. Cooperation in clinical and basic research on allergy, asthma and clinical immunology in this region. Development of programs for public information and education in allergy, asthma and clinical immunology. Cooperation with other international organizations in the study of allergy, asthma and clinical immunology. Dissemination of this knowledge through international congresses on allergy, asthma and clinical immunology and by other means. APAAACI publishes Asia Pacific Allergy journal and holds Congress every two years: APAAACI Congress 2016 will be held in Kuala Lumpur, Malaysia on 18-21 October 2016

AstraZeneca Booth 306

17th floor, Luther Building, 42,

Olympic-ro 35da-gil, Songpa-gu, Seoul, Korea

Telephone: +82-2-2188-0921 Fax: +82-2-558-9606

Contact: yunju.shin@astrazeneca.com

AstraZeneca is one of only a handful of pure-play biopharmaceutical companies to span the entire value chain of a medicine from discovery, early- and late-stage development to manufacturing and distribution, and the global commercialisation of primary care, specialty care-led and specialty care medicines that transform lives. We push the boundaries of science to deliver life-changing medicines.

Boehringer-Ingelheim Korea

Booth 302

16F, Yonsei Severance Building 10, Tongil-ro, Jung-gu, Seoul, Korea Telephone: +82-2-2259-4097

Fax: 82-2-709-0160 Contact: Chaeyoung Lee

The Boehringer Ingelheim group is one of the world's 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, Boehringer Ingelheim operates globally with 146 affiliates and a total of more than 47,700 employees. The focus of the family-owned company, founded in 1885, is researching, developing, manufacturing and marketing new medications of high therapeutic value for human and veterinary medicine.

Social responsibility is an important element of the corporate culture at Boehringer Ingelheim. This includes worldwide involvement in social projects, such as the initiative "Making more Health" and caring for the employees. Respect, equal opportunities and reconciling career and family form the foundation of the mutual cooperation. In everything it does, the company focuses on environmental protection and sustainability.

In 2014, Boehringer Ingelheim achieved net sales of about 13.3 billion euros. R&D expenditure corresponds to 19.9 percent of its net sales.

For more information please visit www.boehringer-ingelheim.com

Boryung Biopharma

Booth 304

Boryung Bldg, 136, Changgyeonggung-ro, Jongno-gu, Seoul 110-750, Korea

Telephone: + 82-2-740-4201 Fax: + 82-2-708-8480 Contact: Mr. Ji Hyun Kim

Boryung biopharma imports and sales sublingual immunotherapy product, Staloral 300 from Stallergenes.S.A in France.

CIS Society of Allergology and Immunology

Booth 609

4 Ostrovityanova Street, Moscow, 117513, Russia

Telephone: +7 495 735 1414 Fax: +7 495 7351441 Contact: Maya Khatamova www.wipocis.org E-mail: info@wipocis.org

CIS Society of Allergology and Immunology (CISSAI) is a professional, non-profit organization. Its main mission is to promote through education and research activities: basic and clinical research in experimental and clinical immunology, allergy and asthma prevention and treatment different manifestations of immunopathology.

CISSAI including 12 National Societies (Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tadjikistan, Turkmenistan, Ukraine, Uzbekistan).

Next X CIS International Congress of Allergology and Immunology will be held in Saint-Petersburg (July 1-4, 2016).

Euroimmun AG Booth 506

Seekamp 31, 23650, Luebeck, Germany

Telephone: +49 451 58 55 0 Fax: +49 451 58 55 591 Contact: info@euroimmun.de

EUROIMMUN is an international provider of medical laboratory products with a growing focus on allergy diagnostics. The company's EUROLINE system encompasses more than 400 different allergens and allergen components and provides reliable screening assays for the efficient determination of specific IgE antibodies. The EUROLINE system comprises a comprehensive spectrum of application-oriented and country-specific profiles, and includes component-resolved profiles for in-depth characterisation of allergy triggers. Specialised instruments and software provide efficient automation of analyses. EUROIMMUN's allergy range complements its products for autoimmune diagnostics, infectious serology and molecular diagnostic

The European Academy of Allergy and Clinical Immunology (EAACI)

Booth 204

Hagenholzstrasse 111, 3rd Floor, 8050 Zurich, Switzerland Telephone: +41 44 205 55 33

Fax: +41 44 205 55 39 Contact: info@eaaci.org

The European Academy of Allergy and Clinical Immunology, EAACI, is the largest medical association in Europe active in the field of allergic and immunologic diseases such as asthma, rhinitis, eczema, occupational allergy, food and drug allergy and anaphylaxis. It includes over 9,000 members from 121 countries, as well as 49 National Allergy Societies.

GA²LEN/Mobile Chamber Experts GmbH

c/o ECARF, Robert-Koch-Platz 7, 10115 Berlin, Germany

Booth 604

J. H. Oortweg 15 - 17, 2333 CH Leiden, The Netherland

Telephone: +31 (88) 1959 000 Fax: +31 (88) 1959 001

HAL Allergy Group

Contact: Monique Lutgens / Corporate Communications

Telephone: +45 4077 8695 Contact: Mr. Steen Thaarup

Mobile Chamber Experts GmbH (MCX) has launched the first mobile chamber in Europe. The chamber is currently being used by the Global Asthma and Allergy European Network (GA²LEN) and the Allergy-Centrum-Charité led by Prof. Dr. med. Dr. h. c. Torsten Zuberbier. GA²LEN is a Network of Excellence of the leading European clinical and research facilities in the field of allergology and asthma. Supporters are leading companies in allergen immunotherapy Allergopharma, LETI and Stallergenes S.A. The mobile chamber, called the GA²LEN chamber, is a simulator for exposing allergic patients to the substances they will react to, e.g. grass pollen, tree pollen and house dust mites etc. The intention is to use the chamber for clinical testing of pharmaceutical drugs. Instead of exposing patients to natural presence of allergens during the allergy season, the use of the chamber is a convenient and effective means of generating valid data, as it is used all the year around — irrespective of the allergy season.

| lelephone: +82 2 | Green Cross | Booth 308 | Fax: +82 2 527

107, Ihyeon-no 30beon-gil, Giheung-gu, Yongin-si, 446-770, Korea

Telephone: +82-31-260-9300 Fax: +82-31-260-9411 Contact: hjs@greencross.com

Since its establishment in 1967, Green Cross has consistently maintained a philosophy of taking the difficult but essential path, rather than the easier path. Now, Green Cross is going that extra mile by aiming to give new hope to people all around the world, not just those living in Korea. By combining its outstanding R&D capability for developing globally-recognized vaccines and blood derivatives with its differentiated solutions, Green Cross has set itself a new challenge to discover novel and much needed medicines and to become a trusted name, synonymous with protecting the health and happiness of people across the world.

GSK Booth 201

9th Fl., 92, Hangang-daero, Yongsan-gu, Seoul, 140-702

Telephone: +82-2-709-4114 Fax: +82-2-796-4710 Contact: Soo-hyun Park

We are a science-led global healthcare company that researches and develops a broad range of innovative products in three primary areas: Pharmaceuticals, Vaccines and Consumer Healthcare.

At GSK, our mission is to improve the quality of human life by enabling people to do more, feel better, live longer. As being a responsible business is central to our strategy and mission, ensuring our values - Patient focus, Integrity, Respect for people and Transparency - are embedded in our culture and decision-making, which helps us better meet the expectation of society. In addition, we take the initiative in corporate social responsibility (CSR) activities working with international NGOs and local community.

We contributes to the pharmaceutical industry with continued investment in clinical researches, advanced business models and practices, collaborations with local companies, research institutes and governments.

HAL Allergy Group is a modern leader and innovator in the field of biopharmaceuticals and located at the Bio Science Park in Leiden, The Netherlands. Our core business is the production of allergen extracts, both for therapeutic and diagnostic purposes as well as contract manufacturing with focus on biopharmaceutical products for preclinical and clinical studies. With offices in major European countries, HAL Allergy is one of the European top players, particularly in the field of allergy. Established in 1959 we have long experience in developing and producing therapies against pollen, house dust mite, and insect venom allergy.

Handok Inc. Booth 301

132 Teheran Street, Gangnam-gu, Seoul, 135-755, South Korea

Telephone: +82 2 527 5221 Fax: +82 2 527 5357 Contact: Hee-Seung Choi

HANDOK, a leading innovation-driven pharmaceutical/health-care company in Korea, develops, manufactures and distributes healthcare solutions to improve the health and quality of human life. It was founded in 1954 and has been dedicated to developing and providing innovative pharmaceutical products (Prescription drugs & OTC drugs), medical devices, and in vitro diagnostics, food supplements and medical nutrition. Handok grew with its joint venture partner Hoechst/Aventis/Sanofi from 1964 to 2012. In several areas Handok has also established strategic collaborations with multiple multinational pharmaceutical companies. Handok ended its joint venture relationship with Sanofi in 2012. In 2013, Handok changed its company name from Handok Pharmaceutical Co., Ltd to Handok Inc. and declared its vision to become, "The Health Innovator" as Korea's leading global healthcare company. Handok introduces new products to the Korean market through partnerships, internal R&D, and state-of-the art manufacturing while maintaining a global standards compliance program.

Hanmi Pharmaceutical Co., Ltd.

Booth 507

Booth 505

14, Wiryeseong-daero, Songpa-gu, Seoul, Korea

Telephone: +82. 2. 410. 9226 Fax: +82.2.410.9159

Contact: Jinhyung Lee / Marketing

Hanmi Pharmaceutical Co., Ltd. is a Korea-based global pharmaceutical company focused on the development and commercialization of new pharmaceutical products. The Company is fully integrated from R&D through manufacturing, marketing and sales with an established presence in Asia. The Company invests over 20 percent of its sales in R&D and has more than 20 programs in clinical development in three main areas: 1) novel long-acting biologics based on the Company's LAPSCOVERY™ platform including weekly insulin, weekly to monthly GLP-1, and their combinations (Quantum Project) in diabetes and obesity; 2) novel targeted agents against cancer and autoimmune disorders; and 3) fixed-dose combination programs. More information on Hanmi is available at www. hanmipharm.com

HanWha Pharma Co., Ltd.

76, Hwarang-ro 32-gil, Seongbuk-gu, Seoul, Korea 136-819

Telephone: +82-2-940-0263 Fax: +82-2-6234-6050 Contact: www.hwpharm.com E-mail: hw@hwpharm.com

Establishment: 1976 CEO: Kyongrak, Kim Employee: 300

HanWha Family: NaturaLife Asia Co., Ltd. NaturaLife Co., Ltd. Weider Asia Co.,

Ltd. YangJi Chemical Co., Ltd.

Factory: Site area 65,000m2 and GMP, Eco-friendly factory

Global partners: Merck & Co., Inc, Sanofi, Besins Healthcare, Willmar Schwabe,

Merz Pharma GmbH, Actavis etc. 17 companies

The Hong Kong Institute of Allergy Booth 603

Secretariat: MIMS (HK) Ltd., 27/F., OTB Building, 160 Gloucester Road,

Wanchai, Hong Kong

Telephone: +852 2155 8558 Fax: +852 2559 6910 Contact: Ms. Sigourney Liu

The Hong Kong Institute of Allergy was founded in 1996, by a group of Allergists, Chest Physicians, Paediatricians and Dermatologists, to promote the discipline of allergy. Since then, the Hong Kong Institute of Allergy has admitted many more members and associate members making it a community of 400 members.

Hong Kong Institute of Allergy aims to promote the awareness of allergic diseases among medical professionals and the public, to bring cutting edge knowledge on management of allergic diseases to the medical community in Hong Kong, and to improve the well being of patients suffering from allergy.

Hyundai Pharm Booth 512

Hyundai Pharm Bldg, 204-4, Nonhyeon-dong Gangna-Gu, Seoul, Korea

Telephone: +82-2-2600-3867 Fax: +82-2-2693-0853

Contact: 20020028@hyundaipharm.co.kr

Chairman & CEO Chairman: Lee, Han Koo President: Kim, Young Hak -Established in 1965

Headquarter located in Seoul, Korea

Total employees: 420

Business area: Pharmaceutical products, Health food drinks, and Medical

equipment & Device

Total revenue in 2013: 115M USD (1USD=1,000KRW)
Total two manufacturing facilities (One Distribution Center)

Main therapeutic sales:

- Cardiovascular (29%)
- Respiratory (19%)
- Immunology & Inflammation (15%) etc.

Selected as one of thirty innovative pharmaceutical companies by government recently, designation offered only to those pharmaceutical company investing in R&D.

Ilsung Pharmaceuticals

Booth 511

9, Wonhyo-ro, 84-gil, Yongsan-gu, Seoul, Korea

Telephone: +82-10-8852-4213 Fax: +82-2-706-1984 Contact: +82-10-8852-4213

Since Ilsung was founded by Byung-kang Yun in 1954, our pharmaceutical company has remained dedicated to discovering and developing new ways to treat and prevent diseases and improve the health and quality of life for people.

Throughout our rich history, Ilsung has won numerous awards in areas including business and financial operations and workplace environment. In 2005, Ilsung received a mention for total quality control (TQC) and production facilities from KFDA (Korea Food & Drug administration). In 2007, Ilsung built the first penicillin production facility that met C-GMP requirements in Korea.

Ilsung has been dedicated to developing new, safe medicines to prevent and treat diseases, and will go on. Ilsung promises to live up to people expectation now and forever.

Indoor Biotechnologies Ltd.

Booth 508

Booth 407

Cardiff Medicentre, Heath Park, Cardiff, CF14 4UJ, United Kingdom

Telephone: +44 29 2068 2115
Fax: +44 29 2068 2044
Contact: info@indoorbiotech.co.uk

INDOOR BIOTECHNOLOGIES, a global immunodiagnostics and biotechnology company, specialises in the development of innovative products and services in the areas of Immunological and Environmental Sciences.

The recognised world leader in the assessment of environmental exposure to allergens, offering the world's largest range of purified natural and recombinant allergens and antibodies, we provide solutions to enable scientists to investigate allergic and other immunological diseases.

Our services include custom assay development and provision of testing for allergens, cytokine, endotoxin and mould alongside exceptional customer service. The company offers 20 years of experience in the development of cutting-edge immune based assays in the areas of molecular and cellular immunology, complement biology, cancer immunology, allergy and asthma, immunoassays for allergen and IgE detection, dust sampling devices and consumer tests for allergen detection.

We serve the Life Science and biopharmaceutical industries, allergy vaccine manufacturers, indoor air quality, medical device manufacturers, academic and government research institutions.

Iranian Society of Asthma and Allergy (ISAA)

No 100, Shaheed Toosi St., Golbar Ave., Tohid Sq., Tehran, Iran

Telephone: +98 21 66 59 77 23 Fax: +98 21 66 57 73 16 Contact: gharagoz@tums.ac.ir

The Iranian Society of Asthma and Allergy (ISAA) is a national society of Iran representing scientific, research, educational and dissemination activities for asthma, allergy and clinical immunology and was established in 1996. Now ISAA has more than 80 members and these include subspecialist allergy and immunology physicians. ISAA is a member society of the World Allergy Organisation (WAO) with the following objectives: 1. Promotion of health and medical culture of the society; 2. Expansion of knowledge about asthma, allergy and immunology; 3. Education and research to prevent asthma and allergic diseases and improve their treatments; 4. Education of patients and their families; 5. Conduction of scientific studies to design and compile policies and programs for control of asthma and allergies throughout the country; 6. Cooperation with other scientific societies, universities and research and health centers inside and outside Iran for the exchange of information.

The Israel Association for Allergy and Clinical Immunology (IAACI)

Sheba Medical Center (Affiliated to Tel-Aviv University)

Tel-Hashomer 52621, Israel Tel: +972-3-5308087 Fax: + 972-3-5308074

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 discipline in Israel, aiming to expand knowledge and improve patients care. This is achieved by promoting joint meetings, and producing Israeli collaborative recommendations in various topics e.g. chronic rhinitis, asthma, contact dermatitis, drug allergy, etc.

Japanese Society of Allergology (JSA)

4th MY Bldg, 1-13-3 Ueno, Taito-ku, Tokyo 110-0005, Japan

Telephone: +81-3-5807-1701 Fax: +81-3-5807-1702 Contact: Toshiko Takeda

Japanese Society of Allergology (JSA) was founded in October 1952. Since then, in addition to publishing two peer reviewed journals — Japanese Journal of Allergology (in Japanese) and Allergology International (in English), the Society holds annual meeting and seminars. The World Allergy Congress (formerly the International Congress of Allergology and Clinical Immunology) was held twice in Japan, once in Tokyo (1973) and once in Kyoto (1991). Membership, which has increased yearly, now stands at 10,690. The number of JSA's Board Certified Allergy Specialists is 3.516.

Kolon Pharmaceutical. Inc.

Kolon Tower 6th Floor, 1-22, Byeorang-dong, Gwacheon-si Gyeonggi-do, Korea Telephone: +82 2 2120 8452

Fax: + 82 2 2120 8302

KOLON Pharmaceuticals should be the first choice to customer and staffs should have individual excellence & uniqueness.

Booth 607 Korea Vaccine, Co., Ltd.

Booth 411

44, Jungdae-ro 9-gil, Songpa-gu, Seoul, Korea (Garak-dong, Doowon B/D)

Telephone: +82-2-443-1961 Fax: +82-2-443-4484

Contact: Hye-Won, Ka / Young-Sun, Lee

KOREA VACCINE has made an effort for supplying high quality biological products as well as medical devices to achieve our vision which is 'Improvement of the contribution to the better society.

Kuhnil Pharm Booth 401

14, Jeongdong, Jung-gu, Seoul, Korea, 100-120

Telephone: +82-2-2175-9777 Fax: +82-2-714-1145

Kuhnil Pharm was founded in 1951. And now the sales is about 100 billion KRW. Kuhnil deals with only prescription drug for example Omacor, Amocla, Bioflor. We have several of No.1 product in Korean market. Omacor is No.1 TG (triglyceride) reducer, Amocla is No.1 penicillin antibiotics, Bioflor is No.1 probitics. In addition, Kuhnil has many major product in Korean market.

LG Life Sciences Booth 409

LG Gwanghwamun Bldg, 58, Saemunan-ro, Jongno-gu, Seoul 110-783, Korea

Telephone: +82-2-6924-3653 Fax: +82-2-6924-3062

Booth 610

Booth 605

Booth 205

Contact: www.lgls.com, downpour@lgls.com

LG Life Sciences researchers have worked with other topnotch scientists inside and outside Korea to classify diseases according the human genes and to find trace substances necessary for early diagnostics of disease. In a bid to find next-generation diagnostic methodologies, the company is developing seminal technology and products related to protein chips, which can be used to find multiple disease markers simultaneously.

LG Life Sciences will continue its concerted effort to emerge as a top global brand in the diagnostics field.

Lofarma Shinyong

Booth 305

Viale Cassala, 40 20143 Milan, Italy Telephone: +39 02 58 198 1 Fax: +39 02 58 198 207

Contact: Paola Tempini: tempini@lofarma.it

Shinyong Corp. 2F, Dawoo Bldg 446-56 Beon-Dong Gangbuk-gu Seoul, Korea

Telephone: +82 2 900 0436 Fax: +82 2 900 0886 Contact: admin@shinyong.net

Lofarma Shinyong is a subsidiary of Lofarma S.p.A., company leader in allergy. Lofarma mission is to market and sell allergoid AIT (Allergen ImmunoTherapy) in tablets, drops, and shots, available for Mites (registered in South Korea) and other ten allergoids. Thanks to a unique patented allergoid, this kind of AIT reduces drammatically the allergenicity and the side effects, keeping immunogenicity unalterated. In short, Lofarma Product Portfolio offers a wide panel of products mainly focused on Allergy, from prevention, to the diagnosis and therapy as prick test (registered in South Korea), anti mite encasings, branded pharmaceuticals to nickel allergy treatment. Lofarma makes Allergy Immunotherapy in Italy for allergic patients worldwide!

Maeil Dairies Co., Ltd.

Booth 207

2nd Fl, The-K Twin Tower A, Jong-ro 1 gil, Jongno-gu, Seoul, 110-150, Korea

Telephone: +82-2-2127-9842 Fax: +82-2-3675-6291 Contact: +82-10-2234-6713

Maeil made a first step as of the leading dairy industry in 1969 by accomplishing the total dairy developing business successfully that was the foundation of the dairy industry. During the last 40 years, we overcame the sudden change of the business environment based on the unflinching frontier spirit, currently it expanded the business areas to the cheese, wine, baby clothes, food service as well as the products of the milk, fermented milk, baby food, beverage and soybean milk and it has grown up to the Korea's leading total food company.

The Malaysian Society of Allergy and Booth 601 Immunology (MSAI)

142, Jalan Ipoh, 3rd Floor, UMNO Selangor Building, 51200 Kuala Lumpur,

Telephone: +603-40410092, +603-40416336

Fax: +603-40426970 Contact: Ms. Jessie/Victoria E-mail: dr harnam@hotmail.com

The Malaysian Society of Allergy and Immunology (MSAI) was incorporated in 1997. Since then it has kept its tradition to host an annual congress every year. We are very privileged to have hosted several Emerging Societies' Meetings, held Malaysian Allergy Day and numerous meetings/road shows throughout the country, to create greater awareness of allergic diseases and related disorders. MSAI has also encouraged dissemination of GLORIA - the flagship of WAO, introduced the ARIA guidelines, and have had the opportunity of having a WAO representation at our annual congresses. Over the last few years MSAI has hosted joint meetings with AAIT and ACIS. MSAI has also initiated the National Clinical Immunology Series on PID and recently drafted the Malaysian Guidelines on the Prevention of Allergies. MSAI would now be hosting the prestigious Asia Pacific Congress of Allergy Asthma and Clinical Immunology 2016. We welcome all of you to Kuala Lumpur

The Menarini Group Booth 203

1 Avenue De la Gare — 1611, Luxembourg Telephone: +39 055 56801

Fax: +39 055 5680484 Contact: Mr. Andrea Nervegna

Menarini is the largest Italian pharmaceutical group at world's number 37 and the Europe's number 17. In the field of Allergy Menarini is present with Bilastine, 2nd generation non-sedating Antihistamine for the treatment of Allergic Rhinitis & Urticaria.

Middle East-Asia Allergy, Asthma and Immunology Booth 606 Congress (MEAAAIC)

MCI Dubai Office PO Box 124752 Dubai, United Arab Emirates

Telephone: +971 4 311 6300 Fax: +971 4 311 6301

Email: meaaaic2015@mci-group.com

Website: www.meaaaic.org

With the rising incidence of allergies worldwide, it is important for us to understand the recent advances in the science of allergic diseases but also the commonalities and the diversities in the etiology, epidemiology and the disease patterns that exist in different parts of the world. In light of this and after the success of 1st and 2nd Middle East-Asia Allergy Asthma Immunology Congress (MEAAAIC), we welcome you to be part of the 3rd Middle East-Asia Allergy Asthma Immunology Congress (MEAAAIC) in Abu Dhabi Dec 11-13, 2015. The congress will bring to you the world's who's who from the field of Allergy, asthma and immunology. It is CME accredited and supported by the Abu Dhabi Health Services (SEHA), the AAAAI, ACAAI, EAACI, ERS, Interasma and WAO.

With its rich scientific program comprising state of the art plenaries, 22 symposia, practical, clinic-friendly workshops on Immunotherapy, Food Allergy, Anaphylaxis, Skin Allergies, Drug Allergy, Asthma, Rhinitis, COPD, Sleep Disorders, etc. and internationally renowned faculty, this congress presents a valuable and unique opportunity for attendees, both specialists and non-specialists, to update their knowledge, advance their skills as well as interact with colleagues, regional leaders and world experts in the field and showcase their own work The host city Abu Dhabi with its central location in the Middle East is an exciting locale for this meeting with its rapid-paced development as a cultural and international business hub.

MSD Korea Booth 303

10th Fl. Seoul City Credit Building, 168, Gondguk-dong, Mapo Gu, Seoul, Korea Telephone: +822 331 2419

Fax: +82 2 332 2301 Contact: Hyun Kim

Today's MSD is a global healthcare leader working to help the world be well. MSD is a trade name of MERCK SHARP & DOHME, with headquarters in Kenilworth, NJ, USA. Through our prescription medicines, vaccines, biologic therapies, and consumer care and animal health products, we work with customers and operate in more than 140 countries to deliver innovative health solutions. We also demonstrate our commitment to increasing access to healthcare through farreaching policies, programs and partnerships. For more information, visit www. msd.com and connect with us on Twitter, Facebook and YouTube.

Booth 103

Mundipharma

12 Marina View, #22-01 Asia Square Tower 2, Singapore 018961

Telephone +65 6511 1165 Fax: +65 6511 1167

Website: www.mundipharma.asia

President: Raman Singh

Mundipharma Pte Ltd is the Regional Office based in Singapore, which coordinates Mundipharma's operations in Emerging Markets. Mundipharma is the brand for independent associated pharmaceutical companies which are privately owned and cover the world's pharmaceutical markets.

Mundipharma has close to 60 years of experience in pain management and medication, with a reach across markets worldwide. With significant annual revenue channeled to research and development, Mundipharma is dedicated to addressing the most pressing needs of healthcare professionals and patients.

Mundipharma delivers high quality products, standing by its mission to alleviate the suffering of patients and to substantially improve their quality of life. Mundipharma is committed to bringing to patients with severe and debilitating diseases access to novel treatment options in fields such as severe pain, oncology, respiratory disease rheumatoid arthritis, antiseptics and laxatives.

Business Scope

- The leading company in pain management.
- Broad range of products areas to improve patient outcomes and quality of life, from clinical disinfectants to treatment for hematological malignancies.
- Specializes in drug delivery systems, as seen applied to its range of analgesics and respiratory treatments.
- State-of-the-art research centers in the US, UK, and Germany to provide solutions with quality and safety.
- Trusted partners of hospitals and households for almost 60 years.

Mylan, Inc. Booth 102

1000 Mylan Boulevard Canonsburg, PA 15317, USA Telephone: +1 724-514-1800 Contact: Kathleen Theiss

Mylan is a global pharmaceutical company committed to setting new standards in healthcare. Our mission is to provide the world's 7 billion people access to high quality medicine. We offer a growing portfolio of around 1,400 generic pharmaceuticals and several brand medications in approximately 145 countries and territories. Mylan is one of the world's leading global pharmaceutical companies. Our growing portfolio of around 1,400 medicines include generic and brand name products in a variety of dosage forms. The company has innovative research and development capabilities and is one of the world's largest active pharmaceutical ingredient manufacturers.

Namyang Dairy Corporation

Booth 307

9F Daeil Building 120 Namdaemoonro Junggu, Seoul, Korea

Telephone: +82 02 2010-6523

Contact: Bangseop Kim (+82 10-2359-3438)

Our company established for specialize dairy product in 13-03-1964. Our head office in Seoul and we have 5 factory, laboratory, and 16 branch in Korea.

Our market share for powdered milk is over 50% and we also have some special product like "Hope Doctor", "Hope allergy" and "Ketonia".

Nasaleze International Limited

Booth 502

Nunnery Mills, Old Castletown Road, Douglas, Isle of Man, IM2 1QA, British Isles

Telephone: +44 (0) 1624 611050

Contact: Matt Duxbury

Nasaleze International produces the world's only powder nasal spray for the treatment of allergic rhinitis. Nasaleze is a Class 1 medical device in Europe. Nasaleze is an inert micronized cellulose powder which when placed in the nasal tract absorbs moisture forming a gel-like barrier. This barrier blocks allergens from diffusing into the nasal mucosa and therefore stops the allergic reaction. This mechanical barrier strengthens the natural defenses of the patient and blocks airborne allergens such as pollen, dust mites and animal dander. Nasaleze is drug free and non-drowsy. Multiple clinical trials have been conducted which have shown the safety and efficacy of Nasaleze as a treatment for allergic rhinitis. There are no known contraindications. Nasaleze is suitable for all allergy sufferers including preagant and breast-feeding women and children over 18 months.

In 2016 the 58 year old company, Dong Sung Pharmaceuticals, will launch Nasaleze in Korea to better help allergic rhinitis sufferers

Nestlé Nutrition

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ProteomeTech, Inc. is a Korea biotech company which have developed immune-diagnostic products and provided proteomics-based R&D services. We have several innovative IVD products like Multiplex Allergy Screening test. Recently, we launched PROTIA Allergy-Q (Inhalant panel/Food panel/Atopy panel) and PROTIA Allergy-Q 64 (Food panel/Inhalant panel), which have 44 and 60 allergens test in a single panel with smaller test sample volume (50 µL), respectively. These are multiplex and semi-quantitative detection of allergen-specific IgE in human serum or plasma and these tests have internal calibration lines. The concordance ratio of our product against ImmunoCap is 96% and PROTIA Allergy-Q has ISO13485 and CE certificate. In a related product, we developed test analysis devices (Q-Scan for manual method and Q-Station for full automation method). Also, we has developed new and innovative POCT product; ImmuneCheck IgG which can quantitatively analyze human Immunoglobulin G for immune health checkup, adopting ProteomeTech's own Q-Rapid Test Technology.

R-Biopharm AG

Booth 504

Booth 404

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The R-Biopharm Group founded in 1988 is a leading developer of solutions for Clinical Diagnostics and Food & Feed Analysis.

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440 Apgujeong-ro, Gangnam-gu, Seoul 135-954, Korea

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SAMA is number one pediatrics company in Korea, and also one of the top leaders in the respiratory & ENT segments. Founded in 1945, we have our own GMP-certificated manufacturing plant, Research & Development center, and over 140 MRs within nation-wide sales and marketing network.

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Uriach is a Spanish private pharmaceutical company based in Barcelona area. In the Pharmaceutical business for over 177 years, it is one of the leading domestic companies. Uriach has always been marked by a strong entrepreneurial character, with an emphasis on scientific and commercial innovation. More than 50 years of continuous devotion to R&D and a team of highly qualified professionals have allowed us to commercialize our products in more than 70 countries. RUPATADINE, a new generation and potent antihistamine with PAF-Antagonist activity is the Uriach's contribution for the treatment of allergic conditions.

Yuhan Corporation Booth 202

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Yuhan Co, Ltd. (KRX: 000100) is a South Korean pharmaceutical and chemical company. It was established in 1926 by Il-Han Yoo and has been listed on the Korea Stock Exchange since 1962. It is headquartered in Daebang-dong, Dongjak-gu, Seoul, Korea. Its subsidiaries include Yuhan Medica, Yuhan Chemicals, and Yuhan-Kimberly, a joint venture with Kimberly-Clark. The current Yuhan CEO is Jung Hee Lee.

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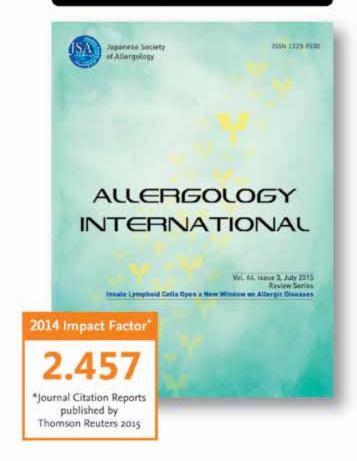


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Most cited articles:

Drug-induced Hypersensitivity Syndrome (DIHS): A reaction induced by a complex interplay among herpesviruses and antiviral and antidrug immune responses

Shiohara T, Inaoka M, Kano Y. Allergol Int 2006:55;1-8.

Th17 and allergy

Oboki K, Ohno T, Saito H, Nakae S. Allergol Int 2008:57;121-34.

The airway epithelium is central to the pathogenesis of asthma Holgate ST. Allergol Int 2008:57;1-10.

Flavonoids and related compounds as anti-allergic substances

Kawai M, Hirano T, Higa S, Arimitsu J, Maruta M, Kuwahara Y, et al. Allergol Int 2007:56;113-23.

Th17 cells and autoimmune encephalomyelitis (EAE/MS)

Aranami T, Yamamura T. Allergol Int 2008:57;115-20.

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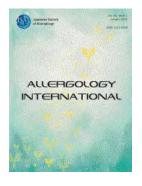


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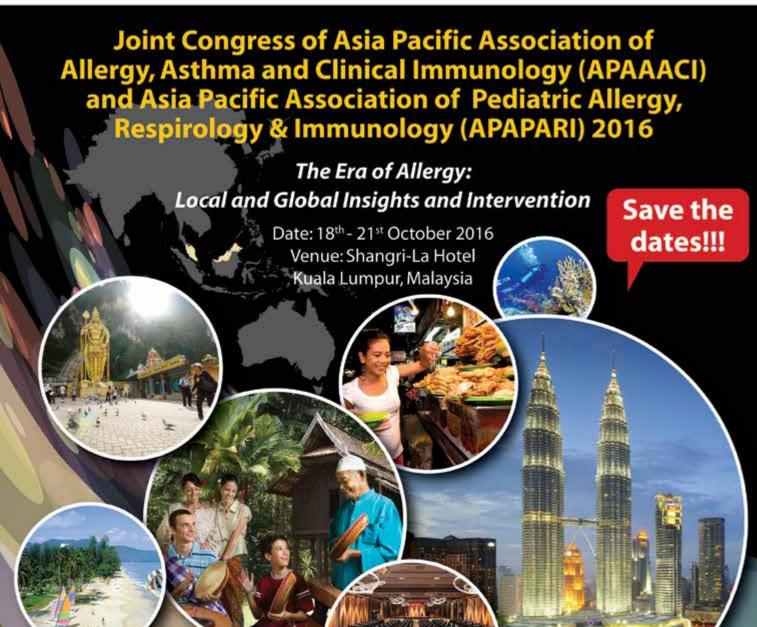














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