XXIV World Congress of Asthma

OCTOBER 3-6, 2018, Keio Plaza Hotel
Tokyo, Japan

PROGRAM
Welcome letter from the Presidents

Dear colleagues and friends,

It is my privilege and honor to welcome you to invite in the 24th World Congress of Asthma – WCA-2018 in Tokyo, Japan, organized by the Asthma Global Association-INTERASMA, from October 3 through October 6, 2018.

WCA brings together specialists, physicians and healthcare professionals from all over the world to share valuable scientific knowledge on asthma, ranging from diagnostic and therapeutic tools and techniques to leading-edge research. WCA has been very popular, resulting in highly successful & well attended congresses with outstanding scientific programs. The 24th World Congress of Asthma – WCA-2018 will not be an exception.

INTERASMA is celebrating its 62nd anniversary of uninterrupted education in the field of asthma, making it the most important international asthma and related diseases organization in the world, as well as a reference organization for primary care physicians, healthcare providers and medical students.

Tokyo, officially Tokyo Metropolis, is the capital city of Japan and one of its 47 prefectures. The Greater Tokyo Area is the most populous metropolitan area in the world. It is the seat of the Emperor of Japan and the Japanese government. Tokyo is in the Kantō region on the southeastern side of the main island Honshu and includes Ogasawara Islands. Tokyo is often referred to as a city, but is officially known and governed as a “metropolitan prefecture”, which differs from and combines elements of a city and a prefecture, a characteristic unique to Tokyo.

Tokyo has many museums. In Ueno Park, there is the Tokyo National Museum, the country’s largest museum specializing in traditional Japanese art; the National Museum of Western Art and Ueno Zoo. Other museums include the National Museum of Emerging Science and Innovation in Odaiba; the Edo-Tokyo Museum in Sumida, across the Sumida River from the center of Tokyo; the Nezu Museum in Aoyama; and the National Diet Library, National Archives, and the National Museum of Modern Art, which are near the Imperial Palace.

Tokyo has many theatres for performing arts. These include national and private theatres for traditional forms of Japanese drama. Noteworthy are the National Noh Theatre and the Kabuki-za for kabuki. Symphony orchestras and other musical organizations perform modern and traditional music. Tokyo also hosts modern Japanese and international pop and rock music at venues ranging in size from intimate clubs to internationally known arenas such as the Nippon Budokan.

It will be our pleasure to welcome you to Tokyo, Japan, in October 2018.

Sincerely,

Professor Lawrence DuBuske
President of GAA Interasma

Professor Ken Ohta
President of the Local Organizing Committee
GAA Interasma Board of Directors

**Executive Committee**

- **President**: Lawrence DuBuske, USA
- **President Elect**: Louis Philippe Boulet, Canada
- **First Vice President**: Jonathan Bernstein, USA
- **Second Vice President**: Nelson Rosario, Brasil
- **Chief Executive Director & Immediate Past President**: Giorgio Walter Canonica, Italy
- **Past Past President**: Carlos Baena-Cagnani, Argentina
- **Secretary General**: Fulvio Braido, Italy
- **Treasurer**: Ignacio Ansotegui, Spain
- **Historian**: Carlos Nunes, Portugal
- **A.M.C.**: Niki Gargassoula, Greece

**Members At Large**

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- Sandra Gonzalez-Diaz, Mexico
- Georgii Gudima, Russia
- Juan Carlos Ivancevich, Argentina
- Piotr Kuna, Poland
- Catherine Lemiere, Canada
- Shigenori Nakajima, Japan
- Ken Ohta, Japan
- Helen Reddel, Australia
- Gustavo Rodrigo, Uruguay
- Michael Wechsler, USA
- Arzu Yorgancioglu, Turkey

**Adjunct Members**

- Juan Celedon, USA
- Kunio Dobashi, Japan
- Fernando Holguin, USA
- Giovanni Passalacqua, Italy
- Ruby Pawankar, Japan
- Francesca Puggioni, Italy
- Osman Yusuf, UK
- Mario Zernotti, Argentina

**Scientific Advisory Board**

- Eugenio Baraldi, Italy
- Giovanni Passalacqua, Italy
- Francesco Blasi, Italy
- Ian Pavord, UK
- Jean Bousquet, France
- Ruby Pawankar, Japan
- Andy Bush, UK
- Gustavo Rodrigo, Uruguay
- Juan Celedon, USA
- Lanny Rosenwasser, USA
- Adnan Custovic, UK
- Dirceu Sole, Brazil
- Gennaro D’Amato, Italy
- James Sublett, USA
- Ronald Dahl, Denmark
- Mario Sanchez-Borges, Venezuela
- Stephen T. Holgate, UK
- Johann Christian Virchow, Germany
- Peter Le Souef, Australia

**Scientific Programme Committee**

- Lawrence DuBuske, USA
- Louis Philippe Boulet, Canada
- Giorgio Walter Canonica, Italy
- Fulvio Braido, Italy
Interasma Japan

Board of Directors Interasma/Japan

Honorary President  Shigenori Nakajima
Honorary Advisors  Terumasa Miyamoto
                  Sankei Nishima
President          Ken Ohta
Vice-Presidents   Yuji Tohda
                  Kunio Dobashi
Secretary General  Masami Taniguchi

Local Organizing Committee/Japan

Chair of Organizing Committee  Mitsuru Adachi
Chairs of Program Committee   Masao Yamaguchi
Co-chairs of the Program Committee  Hironori Sagara
                                     Masami Taniguchi

Steering Committee/Japan

Sadahiro Asai          Hiroshi Odajima      Yoshihiro Nisimura
Koichiro Asano         Hiroyuki Kobayashi   Shu Hashimoto
Yuichi Adachi          Yasuyuki Sano       Takeshi Hisada
Hirokazu Arakawa       Naoki Shimojo       Takeshi Fukuda
Yoshiki Ishii          Shunsuke Shoji      Takao Fujisawa
Tamotsu Ishizuka       Hajime Takizawa     Tomoaki Hoshino
Masakazu Ichinose      Jun Tamaoki         Takahiko Horiguchi
Hiromasa Inoue         Takahiro Tsuburai    Soichiro Hozawa
Takashi Iwanaga        Kenichi Tokuyama     Masato Muraki
Tomoaki Iwanaga        Hiroyuki Nagase      Akihiro Morikawa
Atsuo Urisu           Makoto Nagata        Takemasa Nakagawa
Yusei Ohshima          Akio Niimi           Shigemi Yoshihara
General Information

Congress Venue
Keio Plaza Hotel Tokyo
Tel:+81 3 3344 0111  Fax:+81 3 3345 8269
[Add] 2-2-1 Nishi-Shinjuku, Shinjuku-Ku,
Tokyo 160-8330 Japan

Registration Desk
Location: Lobby of 4F Main Building, Keio Plaza Hotel.

Pre-registration
Attendees who have already done pre-registration, please bring a printed confirmation e-mail to the registration desk for receiving your entry badge.

On-site Registration
On-site registration at the Late/On-site rates will be possible during the congress day at the times given below. Please note that the payment for registration fee at on-site should be done on a Japanese yen basis by cash or credit card.

Registration Fee

<table>
<thead>
<tr>
<th></th>
<th>Member</th>
<th>¥99,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>750 €</td>
<td></td>
</tr>
<tr>
<td>Non Member</td>
<td>850 €</td>
<td>¥113,000</td>
</tr>
<tr>
<td>Allied Professionals*</td>
<td>490 €</td>
<td>¥65,000</td>
</tr>
<tr>
<td>Trainees**</td>
<td>420 €</td>
<td>¥56,000</td>
</tr>
<tr>
<td>Japanese Society Members</td>
<td>500 €</td>
<td>¥66,000</td>
</tr>
<tr>
<td>Japanese Non Members</td>
<td>550 €</td>
<td>¥73,000</td>
</tr>
<tr>
<td>Students</td>
<td>100 €</td>
<td>¥13,000</td>
</tr>
</tbody>
</table>

* Available for: Allied health professionals such as nurses, physiotherapists, technologists, non clinical scientists undertaking lung-related research, post-graduate, not medically qualified, and not directly involved in patient care.

** Registration fee applies for those under the age of 35. Trainees should provide a letter from their employer/institution.

Cancellation Policy
Cancellations of confirmed registrations are subject to a charge of 75€ per participant, provided the notice of cancellation is received no later than August 15, 2018. No refunds will be made for cancellations received after this date.

Name Change
Replacements (=delegate name change) of confirmed registrations after August 15, 2018 are subject to an administrative fee of ¥3,000 per participant.

Registration Desk Open Hours

<table>
<thead>
<tr>
<th></th>
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<th>Lobby</th>
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<tbody>
<tr>
<td>OCT 3</td>
<td>8:30-17:00</td>
<td>4F Main Building</td>
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<tr>
<td>OCT 4</td>
<td>7:00-17:30</td>
<td></td>
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<tr>
<td>OCT 5</td>
<td>7:00-17:30</td>
<td></td>
</tr>
<tr>
<td>OCT 6</td>
<td>7:00-14:30</td>
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</tr>
</tbody>
</table>

Entry Badges
All participants are kindly requested to wear their badges during all conference activities and social events. Entry will not be permitted without a badge. Replacement of lost badges incurs a ¥1,000 administrative charge. This charge will be reimbursed if the lost badge is found and returned. Please proceed directly to the Inquiry Desk in the venue with appropriate documentation.

Congress Kit
All participants will be able to receive a conference kit at the registration desk.

Certificate of Attendance
For attendees have done pre-registration, you will receive Certificate of attendance with your entry badge. For on-site registration, it will be issued at your request with the on-site registration form.

Social Event
All participants are cordially invited to attend the opening event as our guest participants, which has scheduled as below.

Opening Ceremony
Date and Time: OCT 3, 18:30-19:30
Venue: Room A (Eminence Hall, 5F South Tower)

Welcome Reception
Date and Time: OCT 3, 19:30-21:00
Venue: Ohgi, 4F South Tower

Closing Ceremony
Date and Time: OCT 6, 16:00-16:30
Venue: Room A (Eminence Hall, 5F South Tower)

Luncheon Seminar
Each luncheon seminar (co-sponsored seminar) will provide a Japanese style lunch box with beverage at front of seminar room.

Exhibition
Exhibition takes place at the Hana C (4F Main Building). Access to the exhibition will be limited to attendees.

Business Center
The business center is located in Main Tower Lobby. The Services are at the participants own expense.

Business Hours: Open for 24Hours
Services: PC with Microsoft Office, Internet access, Printers, Photo copies, Faxes, Mobile Recharger

* Internet Terminals are available at a cost of 100 yen per 10 min.

Cash Dispensers
Cash Dispensers and Currency Exchange machine is available on the lobby floor. If you prefer teller service, there is one bank close to the hotel that offers specialized services for money exchange. Please inquire at the Guest Relations Desk of hotel for more details.
Guide for Chairs and Speakers

Plenary Session, Symposia and Oral Sessions

Chairs
1) Please come to session room and take a next chair's seat, which is installed in the front of each room at least 10 minutes before your session begins.

2) Each presentation time has been designed. The progress and method of discussion or Q&A shall be left to the discretion of each chairs, but please strictly observe the time schedule.

Speakers
1) All speakers of oral presentation are required to submit their presentation slide data to PC Preview Desk which is located at the lobby of Room A ("Eminence Hall", 5th Floor of South Tower) at least 30 minutes before your session begins.

2) Also please be seated on the next-speaker’s seat at the front of session room at least 10 minutes before your session begins.

3) As far as the progression of each presentation is concerned, you are requested to comply with the instructions of the chairpersons. We ask you to please strictly observe the presentation time.

PC Preview Desk Open Hours

<table>
<thead>
<tr>
<th>Lobby of Room A (5F South Tower)</th>
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</thead>
<tbody>
<tr>
<td>OCT 3</td>
<td>8:30-17:00</td>
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<tr>
<td>OCT 4</td>
<td>7:00-17:30</td>
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<tr>
<td>OCT 5</td>
<td>7:00-17:30</td>
</tr>
<tr>
<td>OCT 6</td>
<td>7:00-14:30</td>
</tr>
</tbody>
</table>

* Please bring your presentation data to PC Preview Center in the venue at least 30 minutes prior to start of your session.

Technical Specifications

Windows – The PC environment in the presentation room and PC Preview Desk is PowerPoint 2013/2016 installed on Windows 7.

Macintosh or moving images in Windows – Please bring your own laptop PC. Any portable media such as USB or CD-ROM is unacceptable.

Bring the data with portable media
windows user only

• Presentation must be made in PowerPoint readable in Windows.

• The computers provided for the sessions will be running with PowerPoint 2013/2016 installed on Windows 7.

• Please use the following standard English fonts for the presentation data: Arial, Arial Black, Arial Narrow, Century, Century Gothic, Georgia, Times New Roman, etc.

• The animation or moving images are acceptable, but should be replayable with Windows Media Player only.

• The file size of the presentation data should be within 700MB including moving images.
• The resolution of the PC used for the presentation is XGA (1,024\times768).

• Please check your data with the latest anti-virus software to avoid infection via media.

• After making a copy of the presentation data, please check the operation of the data with another PC to avoid a copying error.

**Bring your own PC**

• Monitor output with D-sub 15 pins is necessary. If you need a conversion connector, please bring the appropriate connector with you.

• Please make sure to bring an AC adaptor with you. The Japanese standard AC voltage is 100V.

• Please cancel the screen saver or power saving setting in advance.

• Presentation data loaded on the computers provided will be completely deleted by the secretariat after the conference.

• The secretariat is not responsible for any projection troubles caused by computer technical difficulties. We recommend all presenters to bring their back-up data.

**Time Allocation**

**Plenary Lecture** – For total 30 minutes (including Q&A) shall be allocated to each talk.

**Symposium Session** – For total 30 minutes (25 minutes talk and 5 minutes Q&A) shall be allocated to each talk. No discussion session in the symposium.

**Oral Communication Session** – For total 15 minutes (10 minutes talk and 5 minutes Q&A) shall be allocated to each presentation.

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**Poster Presentation**

**Chairs**

1) Please come to Chairs check-in Desk, which is located front of Poster session room at least 10 minutes before your session begins.

2) Each presentation time has been designed. The progression and method of discussion or Q&A shall be left to the discretion of each chairs, but please strictly observe the time schedule.

**Presenters**

1) Poster boards will be displayed for the whole congress day from 3rd to 6th October. All presenters are encouraged to sign-up at the Poster Registration Desk, which is located front of the poster session room, and display each poster during appointed poster pin-up time and remove time as below if it is possible. Otherwise, please sign-up and display at least one hour prior to start of scheduled poster session.

2) Each Presenters are required to give a talk at the front of each poster. For total 6 minutes (4 minutes talk and 2 minutes Q&A) shall be allocated to each presentation. The presentation and Q&A session shall be carried out in accordance with the instruction of the moderator thus please comply with the instruction and strictly observe the presentation time.

3) All presenters are required to show up and stand front of your poster with wearing provided yellow ribbon (which will be provided at the Poster Registration Desk) at least 10 minutes before the start of session.

**Poster Room**

“Hana-C”, 4th Floor of Main Building of Keio Plaza Hotel.

**Posters Display and Remove**

Poster boards will be displayed for the whole congress day from 3rd to 6th October. All presenters are encouraged to sign-up at the Poster Registration Desk, which is located front of the poster session room, and display each poster during appointed poster pin-up time and remove time as below if it is possible. Otherwise, please sing-up and display at least one hour prior to start of scheduled poster session.

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**Technical Specifications**

• The dimension of the poster board is PORTRAIT and it is recommended that your poster should be no wider than 900mm width x 1800mm height

• Allocate the top of the poster (700mm width x 200mm height) for the title, authors and affiliation as stated on the submitted abstract.
- The upper left of the poster (200mm width x 200mm height) is space for abstract number, which shall be prepared by secretariat.

- Posters may be prepared on one sheet (preferred method) or alternatively on several smaller sheets but these should be pre-mounted onto one sheet.

- Push pins will be available in the poster area for displaying of posters. Staff will also be in the poster area to assist you.

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**Disclosure of Conflict of Interest**

(Required)

Authors must state all possible conflicts of interest relating to the presented work in the slides or posters, including financial, consultant, institutional and other relationships that might lead to bias or a conflict of interest. If there is no conflict of interest, this should also be explicitly stated as none declared. All sources of funding should be acknowledged in the presentation slides and posters. All relevant conflicts of interest and sources of funding should be included on the slide with the heading “Conflicts of Interest and Source of Funding”, immediately after the title page.

**Specified Template of COI disclosure**

It is available to download from the WCA-2018 website can be found in the following link: [https://wca-2018.com/wp-content/uploads/2018/05/COI2018v03.pdf](https://wca-2018.com/wp-content/uploads/2018/05/COI2018v03.pdf)
Access to the Venue

Keio Plaza Hotel Tokyo
Tel: +81 3 3344 0111  Fax: +81 3 3345 8269
[Add] 2-2-1 Nishi-Shinjuku, Shinjuku-Ku, Tokyo 160-8330 Japan

Access to the Venue

From/To Narita International Airport

- By Airport Limousine Bus
  Duration: approx. 120 minutes.
  Fare: Adult JPY 3,100  Child JPY 1,550

- By Narita Express NEX
  Duration: approx. 81 minutes.
  Fare: Adult JPY 3,190  Child JPY 1,590

From/To Haneda Airport

- By Airport Limousine Bus
  Duration: approx. 70 minutes.
  Fare: Adult JPY 1,230  Child JPY 620

- By Keikyu Line/JR Yamanote Line
  From Haneda Airport, take the Keikyu Line to Shinagawa Station and change trains to the JR Yamanote Line that goes in the direction of Shibuya. Get off at Shinjuku Station. It takes about a 5 minute walk from the west exit of Shinjuku Station to the hotel.

- By taxi
  Time required is approximately 45-60 minutes.
  Fare to be around JPY 8,000 ～ 12,000. *The fare and travel time may differ depending on the traffic.

Airport Access

From/To Narita International Airport

- By Airport Limousine Bus
  Duration: approx. 120 minutes.
  Fare: Adult JPY 3,100  Child JPY 1,550

- By Narita Express NEX
  Duration: approx. 81 minutes.
  Fare: Adult JPY 3,190  Child JPY 1,590

From/To Haneda Airport

- By Airport Limousine Bus
  Duration: approx. 70 minutes.
  Fare: Adult JPY 1,230  Child JPY 620

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Keio Plaza Hotel Tokyo
Tel: +81 3 3344 0111  Fax: +81 3 3345 8269
[Add] 2-2-1 Nishi-Shinjuku, Shinjuku-Ku, Tokyo 160-8330 Japan

GLOBAL ASTHMA ASSOCIATION - INTERASMA
## Program at a Glance

### OCT 3 [day 1]

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A (Eminence Hall, 5F South Tower)</th>
<th>Room B (Nishiki, 4F South Tower)</th>
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</thead>
<tbody>
<tr>
<td>10:00 – 11:30</td>
<td><strong>Symposium 1</strong>&lt;br&gt;Asthma&lt;br&gt;Chairs: Canonica GW, Adachi M, Fujisawa T&lt;br&gt;Asthma: general management&lt;br&gt;Johann Christian Virchow, Germany&lt;br&gt;Eosinophilic &amp; non-eosinophilic asthma&lt;br&gt;Nelson Rosario, Brazil&lt;br&gt;Patient’s expectation on asthma treatment&lt;br&gt;Fulvio Braidot, Italy</td>
<td><strong>Symposium 2</strong>&lt;br&gt;Asthma Plan&lt;br&gt;Chairs: Ansotegui I, Komase Y, Nakamura Y&lt;br&gt;Asthma education and knowledge translation&lt;br&gt;Louis Philippe Boulet, Canada&lt;br&gt;Shared decision making&lt;br&gt;Yoon Seok Chang, Korea&lt;br&gt;The choice of anti-IL-5 in asthma&lt;br&gt;Marina Labor, Croatia</td>
</tr>
<tr>
<td>11:30 – 12:30</td>
<td><strong>Plenary Lectures 1</strong>&lt;br&gt;Asthma-COPD overlap: implication for therapy&lt;br&gt;Peter Barnes, UK&lt;br&gt;Allergic rhinitis: today and tomorrow&lt;br&gt;Jean Bousquet, France</td>
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<tr>
<td>12:45 – 13:45</td>
<td><strong>Luncheon Seminar 1</strong>&lt;br&gt;Overview of severe eosinophilic asthma&lt;br&gt;William W Busse, USA</td>
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<tr>
<td>14:00 – 15:00</td>
<td><strong>Symposium 3</strong>&lt;br&gt;Asthma Exacerbations&lt;br&gt;Chairs: Boulet LP, Muraki M, Munakata M&lt;br&gt;Effect of air pollution on allergic rhinitis and asthma&lt;br&gt;Ignacio Ansotegui, Spain&lt;br&gt;Causes and risk factors&lt;br&gt;Hiromasa Inoue, Japan</td>
<td><strong>Symposium 4</strong>&lt;br&gt;Asthma Treatable Traits&lt;br&gt;Chairs: Braidot F, Sugiyama H, Tanaka A&lt;br&gt;Bronchothermoplasty in asthma&lt;br&gt;Michael Wechsler, USA&lt;br&gt;Molecular diagnosis of allergic sensitization in patients with respiratory diseases&lt;br&gt;Mario Sanchez Borges, Venezuela</td>
</tr>
<tr>
<td>15:00 – 16:30</td>
<td><strong>Symposium 5</strong>&lt;br&gt;Rhinitis and Asthma&lt;br&gt;Chairs: Jang A, Okamoto Y, Hojo M&lt;br&gt;The ARIA initiative&lt;br&gt;Jean Bousquet, France&lt;br&gt;Allergic rhinitis and asthma&lt;br&gt;Shigeharu Fujieda, Japan&lt;br&gt;Chronic rhinosinusitis/nasal polyps and asthma&lt;br&gt;Giorgio Walter Canonica, Italy</td>
<td><strong>WAO Symposium</strong>&lt;br&gt;Chairs: DuBuske L, Nagata M, Mochizuki H&lt;br&gt;PPAR-gamma targeting as modulator of asthma inflammatory responses&lt;br&gt;Igor Kaydashev, Ukraine&lt;br&gt;IgE in immunologic disorders and urticaria&lt;br&gt;Mario Sanchez Borges, Venezuela&lt;br&gt;WAO initiatives on severe asthma and immunotherapy&lt;br&gt;Ignacio Ansotegui, Spain</td>
</tr>
<tr>
<td>17:00 – 18:30</td>
<td><strong>Symposium 6</strong>&lt;br&gt;Immunotherapy Update&lt;br&gt;Chairs: Rha Y, Fukushima Y, Urisu A&lt;br&gt;Immunological mechanism of AIT +/- clinical benefits and risk (both SLIT and SCIT)&lt;br&gt;Moises Calderon, UK&lt;br&gt;SLIT in management of HDM allergic rhinitis&lt;br&gt;Yoshitaka Okamoto, Japan&lt;br&gt;SLIT in management of HDM allergic asthma&lt;br&gt;Johann Christian Virchow, Germany</td>
<td><strong>Interasma Japan/North Asia (16:35-16:55)</strong>&lt;br&gt;General Assembly</td>
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<tr>
<td>18:30 – 19:30</td>
<td><strong>Opening Ceremony</strong></td>
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<tr>
<td>19:30 – 21:00</td>
<td><strong>Welcome Reception</strong> (Ohgi, 4F South Tower)</td>
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</table>
# OCT 4 [day 2]

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A</th>
<th>Room B</th>
</tr>
</thead>
</table>
| 08:30 – 09:30 | Oral Communication 1  
Phenotype/endotype  
Chairs: Virchow JC, Ota K | Oral Communication 2  
Biomarkers  
Chairs: DuBuske L, Suzukawa M |
| 09:30 – 10:30 | Plenary Lectures 2  
Chairs: Boulet LP, Sagara H, Nakano Y  
Personalized & precision medicine in asthma  
Giorgio Walter Canonica, Italy  
Airway remodeling  
Peter J. Barnes, UK |  |
| 11:00 – 12:30 | Symposium 7  
Environment and the Lung  
Chairs: Kowal K, Adachi Y, Hisada T  
Allergens  
Lawrence DuBuske, USA  
Occupational allergens  
Kunio Dobashi, Japan  
Impact of the lifestyle on asthma  
Lies Lahousse, Belgium | Symposium 8  
Asthma and Small Airways  
Chairs: Rosario N, Hozawa S, Shoji S  
Pathophysiology of small airways alterations in obstructive disease  
Fulvio Braid, Italy  
Assessment of small airways dysfunction  
Pierachille Santus, Italy  
Relevance of asthma treatment targeting small airways  
Akio Niimi, Japan |
| 12:45 – 13:45 | Luncheon Seminar 2  
Chair: Sagara H  
Allergic Rhinitis and its Impact on Asthma  
Jean Bousquet, France | Luncheon Seminar 3  
Chair: Gon Y  
How do your patient get asthma control?  
~ The Salford Lung Study ~  
Ronald Dahl, UK |
| 14:00 – 15:30 | Symposium 9  
Assessment of Airways Diseases  
Chairs: Canonica GW, Yamashita N, Matsunaga K  
Basics for diagnosis  
Johann Christian Virchow, Germany  
Allergy testing  
Krzysztof Kowal, Poland  
 Forced oscillation technique  
Hajime Kurosawa, Japan | Symposium 10  
Asthma Drugs Optimal Usage  
Chairs: Santus P, Hirata K, Horiguchi T  
ICS/LABA  
Andras Bikov, UK  
Anticholinergics  
Masakazu Ichinose, Japan  
ICS/LABA/LAMA  
Ronald Dahl, Denmark |
| 15:30 – 17:00 | Symposium 11  
Pediatric Asthma  
Chairs: Calderon M, Ohshima Y, Odajima H  
Treatment of mild to moderate asthma in children  
Nelson Rosario, Brazil  
Approach to severe pediatric asthma  
Gary Wong, Hong Kong  
Management of exacerbation in children  
Yuichi Adachi, Japan | Symposium 12  
Targeting Asthma Therapy  
Chairs: DuBuske L, Hoshino T, Kaneko T  
Anti-IgE  
Jean Bousquet, France  
Eosinophilic inflammation  
Ronald Dahl, Denmark  
Targeting non-T2 asthma  
Peter J. Barnes, UK |
| 17:30 – 19:00 | Symposium 13  
Guidelines Update  
Chairs: Boulet LP, Arakawa H, Tohda Y  
Pediatric asthma 2018  
Takao Fujisawa, Japan  
Adult asthma 2018  
Michael Wechsler, USA  
New classification of allergic diseases  
Jean Bousquet, France | Symposium 14  
Asthma in Specific Population  
Chairs: Braid F, Kato M, Kohrogi H  
What is safe enough - asthma in pregnancy  
Marina Labor, Croatia  
Asthma in the elderly  
Pierachille Santus, Italy  
Lessons from real-life research in asthma  
David Price, Australia and UK |
| 19:00 – 20:00 | General Assembly | |
J-Symposium 1
Factors relating to phenotypes of asthma
Chair: Asai S
Penotypes of asthma and type 2 inflammation
Hisako Matsumoto, Japan
Severity of asthma and IgE
Akihiko Tanaka, Japan
Obesity and asthma
Yuma Fukutomi, Japan

J-Symposium 2
EGPA
Chair: Nakajima H
Involvement of IL-5 in EGPA
Hiroshi Nakajima, Japan
ANCA and pathological changes in the lung
Yuto Hamada, Japan
Significance of IVIG therapy
Masami Taniguchi, Japan

J-Symposium 3
New therapeutic strategy
Chair: Shimojo N
Trend of allergen immunotherapy
Makoto Nagata, Japan
New position of anticholinergics in asthma therapy
Shin Ohta, Japan
Appropriate use of biologics and future outlook
Hiroyuki Nagase, Japan
Bronchial thermoplasty
Motoyasu Ikura, Japan

J-Symposium 4
Severe asthma and comorbidity
Chair: Shibata Y, Kobayashi S
COPD
Masakazu Ichinose, Japan
AERD
Masami Taniguchi, Japan
Anaphylaxis
Masao Yamaguchi, Japan
## OCT 5 [day 3]

### Oral Communication 3
**Severe asthma**
Chairs: Braido F, Ohno I

### Oral Communication 4
**Asthma treatment**
Chairs: Ohta K, Tanimoto Y

### Plenary Lectures 3
Chairs: Canonica GW, Shimojo N, Yamaguchi M

**Asthma immunology**
Lawrence DuBuske, USA

**New strategy for asthma treatment in the real world (including biologics)**
David Price, Australia & UK

**New concepts of immunology - "Regulatory T cells"**
Shimon Sakaguchi, Japan

### Symposium 15
**Diagnosis Section**
Chairs: Kaydashev I, Ishizuka T, Ishiura Y

**Pulmonary function test in obstructive airways diseases**
Satoshi Konno, Japan

**Big data and severe asthma registries**
Giorgio Walter Canonica, Italy

**What's new in the elderly asthma?**
Sang Heon Cho, Korea

### Symposium 16
**Patient's Empowerment**
Chairs: Boulet LP, Tokuyama K, Sano Y

**Inhalers new technologies**
Lies Lahousse, Belgium

**Patient's expert**
Michiko Haida, Japan

**Patient's engagement**
Moises Calderon, UK

### Luncheon Seminar 4
Chair: Tamaoki J
**Mechanism and treatment strategy of severe asthma**
Arihiko Kanehiro, Japan

### Symposium 17
**Asthma & Infections**
Chairs: Bikov A, Morikawa A, Matsuse H

**Asthma and virus**
Shigemi Yoshihara, Japan

**The importance of vaccinations for asthmatics**
Gary Wong, Hong Kong

### Symposium 18
**Severe Asthma**
Chairs: DuBuske L, Yokoyama A, Kobayashi N

**Contributing factors to severity**
Masami Taniguchi, Japan

**Non-invasive methods of assessing asthma endotypes**
Krzysztof Kowal, Poland

**Targeting eosinophils via IL-5**
Louis Philippe Boulet, Canada

### Symposium 19
**Contributing Factors for Asthma**
Chairs: Boulet LP, Tagaya E, Suzukawa M

**Genetic factors**
Nobuyuki Hizawa, Japan

**Inflammatory cytokine network in obese asthmatics**
Igor Kaydashev, Ukraine

**Asthma COPD overlap**
Tsuritu Tamada, Japan

### Symposium 20
**New Deal in Asthma**
Chairs: Cho SH, Bisyuk Y, Mori A

**Group 2 innate lymphoid cells and asthma**
Kazuya Moro, Japan

**Influence of global warming on allergy and respiratory diseases**
Nelson Rosario, Brazil

### Special Lecture 1 (15:30 - 16:15)
Chair: Adachi M
**Hypersensitivity Pneumonitis Update**
Yasunari Miyazaki, Japan

### Special Lecture 2 (16:15 - 17:00)
Chair: Taniguchi M, Sagara H
**N-ERD as a heterogenous asthma phenotype**
Marek L. Kowalski, Poland

### Poster Session Room
**Poster Session Room**
(Hana C, 4F Main Tower)

- **17:15-18:00 Poster Session 1**
- **18:00-18:45 Poster Session 2**
Session will be conducted in Japanese

J-Symposium 5  co-sponsored by KYORIN Pharmaceutical Co., Ltd.
Involvement of fungi and asthma
Chairs: Kondo M, Oguma T
Overview of fungi in the environment
Katsuhiko Kamei, Japan
Mechanism of inducing severe inflammation
Hiroto Matsuse, Japan
Allergic bronchopulmonary mycosis up to date
Tsuyoshi Oguma, Japan

J-Symposium 6
Cell biological approach to study airway inflammation
Chair: Ohno I
Eosinophils
Akio Mori, Japan
ILCs
Norihiro Harada, Japan
Neutrophils
Nobuaki Miyahara, Japan
Basophils
Keiko Wakahara, Japan

J-Symposium 7  co-sponsored by CHEST M.I., INC.
Utilization of FeNO  (15:30 – 17:00)
Chair: Gon Y
Factors influencing on FeNO measurement
Akira Koarai, Japan
Use of FeNO for diagnosing asthma in pediatrics
Takao Fujisawa, Japan
Use of FeNO for diagnosing asthma in adults
Junpei Saito, Japan

J-Symposium 8  (17:00 – 18:30)
Chair: To Y
Differential diagnosis of cough in adults
Masaki Fujimura, Japan
Differential diagnosis of cough in pediatrics
Hiroyuki Mochizuki, Japan
Significance of neurogenic inflammation and its therapeutic approach
Kenichi Tokuyama, Japan
## OCT 6 [day 4]

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A (Eminence Hall, 5F South Tower)</th>
<th>Room B (Nishiki, 4F South Tower)</th>
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</thead>
</table>
| **08:00 – 09:00** | **Oral Communication 5**  
Pathophysiology of asthma  
Chairs: Canonica GW, Nakagome K                                                                 | **Oral Communication 6**  
Miscellaneous  
Chairs: Rosario N, Ikura M                                                                 |
| **09:00 – 10:30** | **Plenary Lectures 4**  
Chairs: DuBuske L, Taniguchi M, Ohta K  
**Severe refractory asthma**  
Kristopher Boyce, USA  
**New concepts of immunology and cell biology**  
"Autophagy"  
Noboru Mizushima, Japan  
**World incidence, prevalence and burden of asthma**  
Louis Philippe Boulet, Canada                                                                 |                                                                                                                                                       |
| **11:00 – 12:30** | **Symposium 21**  
Asthma Prevention and Management  
Chairs: Hattori N, Kohyama T  
**The role of anti-endotoxin immunity in asthma**  
Yuriy Bisyuk, Ukraine  
**Long-term management**  
Nelson Rosario, Brazil  
**Prevention of airway remodeling**  
Andras Bikov, UK                                                                 | **Symposium 22**  
Asthma Treatment  
Chairs: Boulet LP, Iwamoto H, Kanehiro A  
**Clinical control**  
Ken Ohta, Japan  
**Precision medicine and biomarkers**  
David Price, Australia and UK  
**New therapy for intractable asthma**  
Joshua Boyce, USA                                                                 |
| **12:45 – 13:45** | **Luncheon Seminar 5**  
Chair: Kaneko T  
**Unmet medical needs in current asthma treatment in EU**  
Klaus F. Rabe, Germany                                                                 |                                                                                                                                                       |
| **13:45 – 14:30** | **Symposium 23**  
Asthma Clustering  
Chairs: DuBuske L, Nagase H, Matsumoto H  
**Genetic polymorphism in asthma**  
Yuriy Bisyuk, Ukraine  
**Cluster analysis of asthma phenotypes**  
Koichi Fukunaga, Japan  
AERD  
Joshua Boyce, USA                                                                 | **Poster Session Room (Hana C, 4F Main Tower)**  
**13:45 - 14:30 Poster Session 3**                                                                 |
| **14:30 – 16:00** | **INES network**  
Chairs: Santus P, Canonica GW  
**The network**  
Fulvio Braid, Italy  
**Published review paper**  
Marina Labor, Croatia  
**Published survey paper**  
Andras Bikov, UK                                                                 |                                                                                                                                                       |
| **16:00 – 16:30** | **Closing Ceremony**                                                                                   |                                                                                                                                                       |
XXXIV World Congress of Asthma-WCA2018 Scientific Program

### Plenary Lecture

**Plenary Lecture 1**

<table>
<thead>
<tr>
<th>Chairs</th>
<th>Ho Joo Yoon</th>
<th>Professor, Hanyang University Hospital, Seoul, Korea</th>
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<tbody>
<tr>
<td></td>
<td>Yoshinori Hasegawa</td>
<td>Nagoya University Graduate School of Medicine, Japan</td>
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<td></td>
<td>Masakazu Ichinose</td>
<td>Professor and Chairman, Department of Respiratory Medicine, Tohoku University</td>
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<td></td>
<td>Graduate School of Medicine, Japan</td>
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<tr>
<td>Asthma-COPD overlap: implication for therapy</td>
<td>Speaker</td>
<td>Peter J. Barnes</td>
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<td></td>
<td></td>
<td>Margaret Turner-Warwick Professor of Medicine, Airway Disease Section, National Heart and Lung Institute, London, UK</td>
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**Allergic rhinitis: today and tomorrow**

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Jean Bousquet</th>
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<tr>
<td></td>
<td>Professor Emeritus of Pulmonary Medicine at Montpellier University; Director of the Inserm laboratory “Immunopathology of Asthma” Montpellier, France</td>
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### Plenary Lectures 2

**Plenary Lectures 2**

<table>
<thead>
<tr>
<th>Chairs</th>
<th>Louis Philippe Boulet</th>
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<tbody>
<tr>
<td></td>
<td>Professor, Quebec Heart and Lung Institute, Laval University, Canada</td>
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<td></td>
<td>Hironori Sagara</td>
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<td></td>
<td>Department of Medicine, Division of Respiratory Medicine and Allergology, Showa University School of Medicine, Japan</td>
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<td></td>
<td>Yasutaka Nakano</td>
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<tr>
<td></td>
<td>Division of Respiratory Medicine, Department of Medicine, Shiga University of Medical Science, Japan</td>
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<tr>
<td>Personalized &amp; precision medicine in asthma</td>
<td>Speaker</td>
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<tr>
<td></td>
<td>Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy</td>
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<tr>
<td>Airway remodeling</td>
<td>Speaker</td>
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<td>Margaret Turner-Warwick Professor of Medicine, Airway Disease Section, National Heart and Lung Institute, London, UK</td>
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### Plenary Lectures 3

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<table>
<thead>
<tr>
<th>Chairs</th>
<th>Giorgio Walter Canonica</th>
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<tr>
<td></td>
<td>Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy</td>
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<td>Naoki Shimojo</td>
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<td>Department of Pediatrics, Graduate School of Medicine, Chiba University, Japan</td>
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<td></td>
<td>Masao Yamaguchi</td>
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<tr>
<td></td>
<td>Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, Japan</td>
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<tr>
<td>Asthma immunology</td>
<td>Speaker</td>
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<tr>
<td></td>
<td>Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA</td>
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<td>New strategy for asthma treatment in the real world (including biologics)</td>
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<td>Primary Care Respiratory Society Professor of Primary Care Respiratory Medicine at the University of Aberdeen, UK; Managing Director of Observational and Pragmatic Research Institute, Singapore; Managing Director of Optimum Patient Care, Australia and UK</td>
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<tr>
<td>New concepts of immunology—“Regulatory T cells”</td>
<td>Speaker</td>
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<td></td>
<td>Distinguished Professor, WPI Immunology Frontier Research Center, Osaka University, Japan</td>
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Plenary Lectures 4
Saturday, 6th OCT 2018 <09:00-10:30> Room A

Chairs
Lawrence DuBuske
Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA

Masami Taniguchi
Director of Clinical Research Center for Allergy and Rheumatology, Sagamihara National Hospital, Japan

Ken Ohta
Japan Anti-Tuberculosis Association, Fukujuji Hospital, Japan

Severe refractory asthma
Speaker
Joshua Boyce
Albert L. Sheffer Professor of Medicine in the field of Allergic Disease, Professor of Pediatrics, Harvard Medical School; Director, Inflammation and Allergic Disease Research Section; Director, Jeff and Penny Vinik Center for Allergic Disease Research, Boston, USA

New concepts of immunology and cell biology - “Autophagy”
Speaker
Noboru Mizushima
Professor, Department of Biochemistry and Molecular Biology, Graduate School and Faculty of Medicine, The University of Tokyo, Japan

World incidence, prevalence and burden of asthma
Speaker
Louis Philippe Boulet
Professor, Quebec Heart and Lung Institute, Laval University, Canada
Symposium 1
Wednesday, 3rd OCT 2018 <10:00-11:30> Room A

Asthma
Chairs  Giorgio Walter Canonica  Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy
Mitsuru Adachi  Professor of Medicine, Department of Clinical Research Center, International University of Health and Welfare/Sanno Hospital, Japan
Takao Fujisawa  Mie National Hospital, Japan

Asthma: general management
Speaker  Johann Christian Virchow  Professor of Medicine and Pneumology, Head of the Departments of Pulmonary Medicine and Intensive Care, Medicine in the University Medical Clinic at the University of Rostock, Germany

Eosinophilic & non-eosinophilic asthma
Speaker  Nelson Rosario  Full Professor of Pediatrics, Federal University of Paraná, Brazil; Chief, Pediatric Respiratory Medicine, FUP, Brazil

Patient’s expectation on asthma treatment
Speaker  Fulvio Braido  Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy

Symposium 2
Wednesday, 3rd OCT 2018 <10:00-11:30> Room B

Asthma Plan
Chairs  Ignacio Ansotegui  President of the World Allergy Organization (WAO); Head of the Department of Allergy and Immunology, Hospital Quironsalud Bizkaia, Bilbao, Spain
Yuko Komase  Department of Respiratory Internal Medicine, St. Marianna University School of Medicine, Yokohama City Seibu Hospital, Japan
Yoichi Nakamura  Medical Center for Allergic and Immune Diseases, Yokohama City Minato Red Cross Hospital, Japan

Asthma education and knowledge translation
Speaker  Louis Philippe Boulet  Professor, Quebec Heart and Lung Institute, Laval University, Canada

Shared decision making
Speaker  Yoon Seok Chang  Professor, Division of Allergy and Clinical Immunology, Department of Internal Medicine, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Korea

The choice of anti-IL-5 in asthma
Speaker  Marina Labor  Senior research scientist, Department of Pulmonology, University Hospital Centre Osijek, Croatia; School of Medicine Osijek, Croatia

Symposium 3
Wednesday, 3rd OCT 2018 <14:00-15:00> Room A

Asthma Exacerbations
Chairs  Louis Philippe Boulet  Professor, Quebec Heart and Lung Institute, Laval University, Canada
Masato Muraki  Department of Respiratory Medicine and Allergology, Kindai University, Nara Hospital, Japan
Mitsuru Munakata  Director of Aizu Medical Center Hospital Professor/Vice President, Aizu Medical Center Fukushima Medical University, Japan

Effect of air pollution on allergic rhinitis and asthma
Speaker  Ignacio Ansotegui  President of the World Allergy Organization (WAO); Head of the Department of Allergy and Immunology, Hospital Quironsalud Bizkaia, Bilbao, Spain

Causes and risk factors
Speaker  Hiromasa Inoue  Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan
**Symposium 4**

**Asthma Treatable Traits**

Chairs: Fulvio Braido
- Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy
- Haruhito Sugiyama
  - Kohnodai Hospital, National Center for Global Health and Medicine, Japan
- Akihiko Tanaka
  - Department of Medicine, Division of Respiratory Medicine and Allergology, Showa University, School of Medicine, Japan

**Bronchothermoplasty in asthma**

Speaker: Michael Wechsler
- Professor of Medicine, Director, NJH Cohen Family Asthma Institute, Dept. of Medicine, National Jewish Health, Denver, Colorado, USA

**Molecular diagnosis of allergic sensitization in patients with respiratory diseases**

Speaker: Mario Sanchez Borges
- Past President of the WAO; Professor, Department of Allergy and Clinical Immunology, Central University of Venezuela, Caracas, Venezuela

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**Symposium 5**

**Rhinitis and Asthma**

Chairs: An Soo Jang
- Soonchunhyang University College of Medicine, Korea
- Yoshitaka Okamoto
  - Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, Chiba University, Japan
- Masayuki Hojo
  - NTT Medical Center Tokyo, Japan

**The ARIA initiative**

Speaker: Jean Bousquet
- Professor Emeritus of Pulmonary Medicine at Montpellier University; Director of the Inserm laboratory “Immunopathology of Asthma” Montpellier, France

**Allergic rhinitis and asthma**

Speaker: Shigeharu Fujieda
- Chairman, Department of Otorhinolaryngology, University of Fukui, Japan

**Chronic rhinosinusitis/nasal polyps and asthma**

Speaker: Giorgio Walter Canonica
- Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy

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**Symposium 6**

**Immunotherapy Update**

Chairs: Yeong Ho Rha
- Professor, Department of Pediatrics, Kyung Hee University School of Medicine, Seoul, Korea
- Yasutsugu Fukushima
  - Department of Respiratory Medicine and Clinical Immunology, Dokkyo Medical University, Saitama Medical Center, Japan
- Atsuo Urisu
  - URI SU CLINIC, Japan

**Immunological mechanism of AIT +/- clinical benefits and risk (both SLIT and SCIT)**

Speaker: Moises Calderon
- Professor Internal Medicine and Allergy, Imperial College London; Consultant in Allergy and Clinical Immunology, Royal Brompton Hospital London, UK

**SLIT in management of HDM allergic rhinitis**

Speaker: Yoshitaka Okamoto
- Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, Chiba University, Japan

**SLIT in management of HDM allergic asthma**

Speaker: Johann Christian Virchow
- Professor of Medicine and Pneumology, Head of the Departments of Pulmonary Medicine and Intensive Care, Medicine in the University Medical Clinic at the University of Rostock, Germany

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**Symposium 7**

**Environment and the Lung**

Chairs: Krzysztof Kowal
- Professor of Medicine, Department of Experimental Allergology and Immunology, Medical University of Bialystok; University Hospital, Bialystok, Poland
- Yuichi Adachi
  - Professor and Chairman, Department of Pediatrics, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Japan
- Takeshi Hisada
  - Graduate School of Health Sciences, Gunma University, Japan
Allergens
Speaker Lawrence DuBuske
Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA

Occupational allergens
Speaker Kunio Dobashi
Jobu Hospital for Respiratory Diseases, Japan

Impact of the lifestyle on asthma
Speaker Lies Lahousse
Assistant Professor, Faculty of Pharmaceutical sciences, Ghent University, Belgium

Symposium 8
Thursday, 4th OCT 2018 <11:00-12:30> Room B
Asthma and Small Airways
Chairs Nelson Rosario
Full Professor of Pediatrics, Federal University of Paraná, Brazil; Chief, Pediatric Respiratory Medicine, FUP, Brazil
Soichiro Hozawa
Hiroshima Allergy and Respiratory Clinic, Japan
Shunsuke Shoji
Kawakita General Hospital, Japan
Pathophysiology of small airways alterations in obstructive disease
Speaker Fulvio Braido
Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedalino San Martino, Genoa, Italy
Assessment of small airways dysfunction
Speaker Pierachille Santus
Associate Professor or Respiratory Medicine, University of Milan, Head Division of Respiratory Diseases, “L. Sacco” Hospital - ASST Fatebenfratelli Sacco-Milano, Italy
Relevance of asthma treatment targeting small airways
Speaker Akio Niimi
Professor and Chairman, Division of Respiratory Medicine, and Allergy, Nagoya City University Hospital, Dept of Respiratory Medicine, Allergy and Clinical Immunology, Nagoya City University Graduate School of Medical Sciences, Japan

Symposium 9
Thursday, 4th OCT 2018 <14:00-15:30> Room A
Assessment of Airways Diseases
Chairs Giorgio Walter Canonica
Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy
Naomi Yamashita
Musashino University Faculty of Pharmacy, Japan
Kazuto Matsunaga
Respiratory Medicine and Infecions Disease, Graduate School of Medicine, Yamaguchi University, Japan
Basics for diagnosis
Speaker Johann Christian Virchow
Professor of Medicine and Pneumology, Head of the Departments of Pulmonary Medicine and Intensive Care, Medicine in the University Medical Clinic at the University of Rostock, Germany
Allergy testing
Speaker Krzysztof Kowal
Professor of Medicine, Department of Experimental Allergology and Immunology, Medical University of Bialystok; University Hospital, Bialystok, Poland
Forced oscillation technique
Speaker Hajime Kurosawa
Professor, Department of Occupational Health, Tohoku University School of Medicine, Japan

Symposium 10
Thursday, 4th OCT 2018 <14:00-15:30> Room B
Asthma Drugs Optimal Usage
Chairs Pierachille Santus
Associate Professor or Respiratory Medicine, University of Milan, Head Division of Respiratory Diseases, “L. Sacco” Hospital - ASST Fatebenfratelli Sacco-Milano, Italy
Kazuto Hirata
Osaka City University Hospital, Japan
Takahiko Horiguchi
Department of Respiratory Medicine II, Fujita Health University School of Medicine, Japan
ICS/LABA
Speaker: Andras Bikov, Manchester University NHS Foundation Trust, Manchester, UK

Anticholinergics
Speaker: Masakazu Ichinose, Professor and Chairman, Department of Respiratory Medicine, Tohoku University Graduate School of Medicine, Japan

ICS/LABA/LAMA
Speaker: Ronald Dahl, Global Medical Expert, GSK Global Respiratory Franchise; Adjunct Professor of Respiratory Diseases, Aarhus University, Denmark; Adjunct Professor, Allergy Centre, Odense University Hospital and University of Southern Denmark, Denmark

Symposium 11
Thursday, 4th OCT 2018 <15:30-17:00> Room A

Pediatric Asthma
Chairs: Moises Calderon, Professor Internal Medicine and Allergy, Imperial College London; Consultant in Allergy and Clinical Immunology, Royal Brompton Hospital London, UK
Yusei Ohshima, Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Japan
Hiroshi Odajima, Department of Pediatrics, National Hospital Organization Fukuoka Hospital, Japan

Treatment of mild to moderate asthma in children
Speaker: Nelson Rosario, Full Professor of Pediatrics, Federal University of Paraná, Brazil; Chief, Pediatric Respiratory Medicine, FUP, Brazil

Approach to severe pediatric asthma
Speaker: Gary Wong, Professor and Honorary Consultant, Department of Pediatrics, Faculty of Medicine, The Chinese University of Hong Kong; Associate Editor, The New England Journal of Medicine, Hong Kong

Management of exacerbation in children
Speaker: Yuichi Adachi, Professor and Chairman, Department of Pediatrics, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Japan

Symposium 12
Thursday, 4th OCT 2018 <15:30-17:00> Room B

Targeting Asthma Therapy
Chairs: Lawrence DuBuske, Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
Tomoaki Hoshino, Division of Respirology, Neurology and Rheumatology, Department of Medicine, Kurume University School of Medicine, Japan
Takeshi Kaneko, Department of Pulmonology, Yokohama City University Graduate School of Medicine, Japan

Anti-IgE
Speaker: Jean Bousquet, Professor Emeritus of Pulmonary Medicine at Montpellier University; Director of the Inserm laboratory “Immunopathology of Asthma” Montpellier, France

Eosinophilic inflammation
Speaker: Ronald Dahl, Global Medical Expert, GSK Global Respiratory Franchise; Adjunct Professor of Respiratory Diseases, Aarhus University, Denmark; Adjunct Professor, Allergy Centre, Odense University Hospital and University of Southern Denmark, Denmark

Targeting non-T2 asthma
Speaker: Peter J. Barnes, Margaret Turner-Warwick Professor of Medicine, Airway Disease Section, National Heart and Lung Institute, London, UK
Symposium 13
Thursday, 4th OCT 2018 <17:30-19:00> Room A

Guidelines Update
Chairs
Louis Philippe Boulet
Hirokazu Arakawa
Yuji Tohda

Professor, Quebec Heart and Lung Institute, Laval University, Canada
Department of Pediatrics, Gunma University Graduate School of Medicine, Japan
Kindai University Hospital, Japan

Pediatric asthma 2018
Speaker
Takao Fujisawa

Mic National Hospital, Japan

Adult asthma 2018
Speaker
Michael Wechsler

Professor of Medicine, Director, NJH Cohen Family Asthma Institute, Dept. of Medicine, National Jewish Health, Denver, Colorado, USA

New classification of allergic diseases
Speaker
Jean Bousquet

Professor Emeritus of Pulmonary Medicine at Montpellier University; Director of the Inserm laboratory “Immunopathology of Asthma” Montpellier, France

Symposium 14
Thursday, 4th OCT 2018 <17:30-19:00> Room B

Asthma in Specific Population
Chairs
Fulvio Braido
Motokazu Kato
Hirotugu Kohrogi

Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy
Chest Disease Clinical and Research Institute, Kishiwada City Hospital, Japan
Omura Tenryo Hospital, Japan

What is safe enough - asthma in pregnancy
Speaker
Marina Labor

Senior research scientist, Department of Pulmonology, University Hospital Centre Osijek, Croatia; School of Medicine Osijek, Croatia

Asthma in the elderly
Speaker
Pierachille Santus

Associate Professor or Respiratory Medicine, University of Milan, Head Division of Respiratory Diseases, "L. Sacco" Hospital - ASST Fatebenefratelli Sacco-Milano, Italy

Lessons from real-life research in asthma
Speaker
David Price

Primary Care Respiratory Society Professor of Primary Care Respiratory Medicine at the University of Aberdeen, UK; Managing Director of Observational and Pragmatic Research Institute, Singapore; Managing Director of Optimum Patient Care, Australia and UK

Symposium 15
Friday, 5th OCT 2018 <10:30-12:00> Room A

Diagnosis Section
Chairs
Igor Kaydashev
Tamotsu Ishizuka
Yoshihisa Ishiura

Professor of the Department of Internal Medicine No 3 with Phthisiology, Ukrainian Medical Stomatological Academy, Poltava, Ukraine
Third Department of Internal Medicine, Faculty of Medical Sciences, University of Fukui, Japan
Division of Respirology, Oncology and Allergology, Kansai Medical University Medical Center, Japan

Pulmonary function test in obstructive airways diseases
Speaker
Satoshi Konno

Department of Respiratory Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan

Big data and severe asthma registries
Speaker
Giorgio Walter Canonica

Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy

What’s new in the elderly asthma?
Speaker
Sang Heon Cho

Department of Internal Medicine, Seoul National University College of Medicine, Institute of Allergy and Clinical Immunology, Seoul National University Medical Research Center, Seoul, Korea
### Symposium 16
**Patient's Empowerment**

**Chairs**
- Louis Philippe Boulet<br>- Kenichi Tokuyama<br>- Yasuyuki Sano

**Inhalers new technologies**
- Speaker: Lies Lahousse
  - Assistant Professor, Faculty of Pharmaceutical sciences, Ghent University, Belgium

**Patients expert**
- Speaker: Michiko Haida
  - Head of the Division of Allergy and Respiratory Disease, Department of Internal Medicine, Hanzoumon Hospital; Vice Director and administrator, Hanzoumon Hospital, Japan

**Patient's engagement**
- Speaker: Moises Calderon
  - Professor Internal Medicine and Allergy, Imperial College London; Consultant in Allergy and Clinical Immunology, Royal Brompton Hospital London, UK

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### Symposium 17
**Asthma & Infections**

**Chairs**
- Andras Bikov<br>- Akihiro Morikawa<br>- Hiroto Matsuse

**Asthma and virus**
- Speaker: Shigemi Yoshihara
  - Department of Pediatrics, Dokkyo Medical University, Japan

**The importance of vaccinations for asthmatics**
- Speaker: Gary Wong
  - Professor and Honorary Consultant, Department of Pediatrics, Faculty of Medicine, The Chinese University of Hong Kong; Associate Editor, The New England Journal of Medicine, Hong Kong

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### Symposium 18
**Severe Asthma**

**Chairs**
- Lawrence DuBuske<br>- Akihito Yokoyama<br>- Nobuyuki Kobayashi

**Contributing factors to severity**
- Speaker: Masami Taniguchi
  - Director of Clinical Research Center for Allergy and Rheumatology, Sagamihara National Hospital, Japan

**Non-invasive methods of assessing asthma endotypes**
- Speaker: Krzysztof Kowal
  - Professor of Medicine, Department of Experimental Allergology and Immunology, Medical University of Bialystok; University Hospital, Bialystok, Poland

**Targeting eosinophils via IL-5**
- Speaker: Louis Philippe Boulet
  - Professor, Quebec Heart and Lung Institute, Laval University, Canada

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### Symposium 19
**Contributing Factors for Asthma**

**Chairs**
- Louis Philippe Boulet<br>- Etsuko Tagaya<br>- Maho Suzukawa

**Contributing Factors for Asthma**
- Professor, Quebec Heart and Lung Institute, Laval University, Canada
- Director, Professor, First Department of Medicine, Tokyo Women's Medical University, Japan
- National Hospital Organization Tokyo National Hospital, Japan
Genetic factors
Speaker Nobuyuki Hizawa Professor, Faculty of Medicine, University of Tsukuba, Japan

Inflammatory cytokine network in obese asthmatics
Speaker Igor Kaydashev Professor of the Department of Internal Medicine No 3 with Phthisiology, Ukrainian Medical Stomatological Academy, Poltava, Ukraine

Asthma COPD overlap
Speaker Tsutomu Tamada Department of Respiratory Medicine, Tohoku University Graduate School of Medicine, Japan

Symposium 20 Friday, 5th OCT 2018 <17:30-18:30> Room A

New Deal in Asthma
Chairs Sang Heon Cho Department of Internal Medicine, Seoul National University College of Medicine, Institute of Allergy and Clinical Immunology, Seoul National University Medical Research Center, Seoul, Korea
Yuriy Bisyuk DrMedSci, Professor of Clinical, Laboratory Immunology and Allergy Shupyk National Medical Academy of Postgraduate Education, Kyiv, Ukraine
Akio Mori National Hospital Organization Sagamihara National Hospital, Clinical Research Center, Japan

Group 2 innate lymphoid cells and asthma
Speaker Kazuyo Moro Visiting Associate Professor, Laboratory for Immunobiology, Graduate School of Medical Life Science, Yokohama City University; Team leader, Laboratory for Innate Immune System, IMS, RIKEN, Japan

Symposium 21 Saturday, 6th OCT 2018 <11:00-12:30> Room A

Asthma Prevention and Management
Chairs Noboru Hattori Department of Molecular and Internal Medicine, Graduate School of Biomedical and Health Science, Hiroshima University, Japan
Tadashi Kohyama Department of Internal Medicine, Teikyo University, Mizonokuchi Hospital, Japan

The role of anti-endotoxin immunity in asthma pathophysiology
Speaker Yuriy Bisyuk DrMedSci, Professor of Clinical, Laboratory Immunology and Allergy Shupyk National Medical Academy of Postgraduate Education, Kyiv, Ukraine

Long-term management
Speaker Nelson Rosario Full Professor of Pediatrics, Federal University of Paraná, Brazil; Chief, Pediatric Respiratory Medicine, FUP, Brazil

Prevention of airway remodeling
Speaker Andras Bikov Manchester University NHS Foundation Trust, Manchester, UK

Symposium 22 Saturday, 6th OCT 2018 <11:00-12:30> Room B

Asthma Treatment
Chairs Louis Philippe Boulet Professor, Quebec Heart and Lung Institute, Laval University, Canada
Hiroshi Iwamoto Department of Molecular and Internal Medicine, Graduate School of Biomedical Sciences, Hiroshima University, Japan
Arihiko Kanehiro Japan Organization of Occupational Health and Safety, Okayama Rosai Hospital, Allergy and Respiratory Disease Center, Japan

Clinical control
Speaker Ken Ohta Japan Anti-Tuberculosis Association, Fukujuji Hospital, Japan

Precision medicine and biomarkers
Speaker David Price Primary Care Respiratory Society Professor of Primary Care Respiratory Medicine at the University of Aberdeen, UK; Managing Director of Observational and Pragmatic Research Institute, Singapore; Managing Director of Optimum Patient Care, Australia and UK
New therapy for intractable asthma
Speaker Joshua Boyce
Alb. L. Sheffer Professor of Medicine in the field of Allergic Disease, Professor of Pediatrics, Harvard Medical School; Director, Inflammation and Allergic Disease Research Section; Director, Jeff and Penny Vinik Center for Allergic Disease Research, Boston, USA

Symposium 23 Saturday, 6th OCT 2018 <14:30-16:00> Room A
Asthma Clustering
Chairs Lawrence DuBuske
Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
Hiroyuki Nagase
Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, Japan
Hisako Matsumoto
Department of Respiratory Medicine, Kyoto University Graduate School of Medicine, Japan

Genetic polymorphism in asthma
Speaker Yurii Bisyuk
DrMedSci, Professor of Clinical, Laboratory Immunology and Allergy Shupyk National Medical Academy of Postgraduate Education, Kyiv, Ukraine

Cluster analysis of asthma phenotypes
Speaker Koichi Fukunaga
Associate Professor, Pulmonary Division, Department of Medicine, Keio University School of Medicine, Japan

AERD
Speaker Joshua Boyce
Albert L. Sheffer Professor of Medicine in the field of Allergic Disease, Professor of Pediatrics, Harvard Medical School; Director, Inflammation and Allergic Disease Research Section; Director, Jeff and Penny Vinik Center for Allergic Disease Research, Boston, USA

WAO Symposium Wednesday, 3rd OCT 2018 <15:00-16:30> Room B
Chairs Lawrence DuBuske
Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
Makoto Nagata
Department of Respiratory Medicine and Allergy Center, Saitama Medical University, Japan
Hiroyuki Mochizuki
Department of Pediatrics, Tokai University School of Medicine, Japan

PPAR-gamma targeting as modulator of asthma inflammatory responses
Speaker Igor Kaydashev
Professor of the Department of Internal Medicine No 3 with Phthisiology, Ukrainian Medical Stomatological Academy, Poltava, Ukraine

IgE in immunologic disorders and urticaria
Speaker Mario Sanchez Borges
Past President of the WAO; Professor, Department of Allergy and Clinical Immunology, Central University of Venezuela, Caracas, Venezuela

WAO initiatives on severe asthma and immunotherapy
Speaker Ignacio Ansotegui
President of the World Allergy Organization (WAO); Head of the Department of Allergy and Immunology, Hospital Quironsalud Bizkaia, Bilbao, Spain

INES network Saturday, 6th OCT 2018 <14:30-16:00> Room B
Chairs Pierachille Santus
Associate Professor or Respiratory Medicine, University of Milan, Head Division of Respiratory Diseases, “L. Sacco” Hospital - ASST Fatebenefratelli Sacco-Milano, Italy
Giorgio Walter Canonica
Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy
### The network

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Fulvio Braido</th>
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<tr>
<td><strong>Fulvio Braido</strong></td>
<td>Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy</td>
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### Published review paper

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Marina Labor</th>
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<tr>
<td><strong>Marina Labor</strong></td>
<td>Senior research scientist, Department of Pulmonology, University Hospital Centre Osijek, Croatia; School of Medicine Osijek, Croatia</td>
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### Published survey paper

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Andras Bikov</th>
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<tr>
<td><strong>Andras Bikov</strong></td>
<td>Manchester University NHS Foundation Trust, Manchester, UK</td>
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<tr>
<td>Luncheon Seminar 1</td>
<td>Wednesday, 3rd OCT 2018 &lt;12:45-13:45&gt; Room A</td>
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<tr>
<td>Chair</td>
<td>Makoto Nagata</td>
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<tr>
<td>Overview of severe eosinophilic asthma</td>
<td>William W Busse</td>
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<th>Luncheon Seminar 2</th>
<th>Thursday, 4th OCT 2018 &lt;12:45-13:45&gt; Room A</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Hironori Sagara</td>
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<tr>
<td>Allergic Rhinitis and its Impact on Asthma</td>
<td>Jean Bousquet</td>
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<td>[Co-sponsored by Novartis Pharma K.K.]</td>
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<th>Luncheon Seminar 3</th>
<th>Thursday, 4th OCT 2018 &lt;12:45-13:45&gt; Room B</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Yasuhiro Gon</td>
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<tr>
<td>How do your patient get asthma control? 〜The Salford Lung Study〜</td>
<td>Ronald Dahl</td>
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<td>[Co-sponsored by GlaxoSmithKline K.K.]</td>
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<th>Luncheon Seminar 4</th>
<th>Friday, 5th OCT 2018 &lt;12:15-13:15&gt; Room A</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Jun Tamaoki</td>
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<tr>
<td>Mechanism and treatment strategy of severe asthma</td>
<td>Arihiko Kanehiro</td>
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<td>[Co-sponsored by GlaxoSmithKline K.K.]</td>
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<th>Luncheon Seminar 5</th>
<th>Saturday, 6th OCT 2018 &lt;12:45-13:45&gt; Room A</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Takeshi Kaneko</td>
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<tr>
<td>Unmet medical needs in current asthma treatment in EU</td>
<td>Klaus F. Rabe</td>
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<td>[Co-sponsored by Sanofi K.K.]</td>
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Oral Communication Session

Oral Communication 1  Thursday, 4th OCT 2018 <8:30-9:30> Room A

**Phenotype/endotype**

**Chairs**  Johann Christian Virchow  Professor of Medicine and Pneumology, Head of the Departments of Pulmonary Medicine and Intensive Care, Medicine in the University Medical Clinic at the University of Rostock, Germany
Ken Ohta  Japan Anti-Tuberculosis Association, Fukujuji Hospital, Japan

**O1-1**  COMPARISON OF THE CLINICAL FEATURES BETWEEN T2-HIGH AND T2-LOW ASTHMA

**O1-2**  SMALL AIRWAY INFLAMMATION IS ASSOCIATED WITH RESIDUAL AIRWAY HYPERRESPONSIVENESS IN Th2-HIGH ASTHMA

**O1-3**  ST2/IL-33 BALANCE REGULATES NEUTROPHILIC INFLAMMATION IN THE HUMAN AIRWAYS.

**O1-4**  ANALYSIS OF RESPONSIBLE FACTORS OF POOR-CONTROLLED ADULT CASES WITH ASTHMA/COUGH VARIANT ASTHMA SENT TO OUR INSTITUTE

Oral Communication 2  Thursday, 4th OCT 2018 <8:30-9:30> Room B

**Biomarkers**

**Chairs**  Lawrence DuBuske  Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
Maho Suzukawa  National Hospital Organization Tokyo National Hospital, Japan

**O2-1**  CLINICAL IMPACT OF PROSTAGLANDIN D2 IN EXHALED BREATH CONDENSATES IN ASTHMA

**O2-2**  ELEVATED PERIOSTIN CONCENTRATIONS IN THE BRONCHOALVEOLAR LAVAGE FLUID OF EOSINOPHILIC PNEUMONIA

**O2-3**  PRE-TREATMENT ALVEOLAR NITRIC OXIDE LEVELS PREDICTS IMPROVEMENT IN FORCED EXPIRATORY VOLUME IN 1 SECOND FOLLOWING INHALRD CORTICOSTEROIDS TREATMENT IN MILD-TO-MODERATE ASTHMATICS

**O2-4**  BIOMARKERS IN ORAL IMMUNOTHERAPY SPECIFIC TO COW MILK. HOW TO KNOW IF WE HAVE CURED THE ALLERGY?

Oral Communication 3  Friday, 5th OCT 2018 <8:00-9:00> Room A

**Severe asthma**

**Chairs**  Fulvio Braido  Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy
Isao Ohno  Center for Medical Education, Tohoku Medical and Pharmaceutical University, Japan

**O3-1**  DYSFUNCTION OF IL-6/STAT3 SIGNALLING PATHWAY IN SEVERE ASTHMA

**O3-2**  BASAL VALUES OF BIOMARKERS IN PEDIATRIC ASTHMA. A DIAGNOSTIC TECHNIQUE OF SUPPORT OR CONFUSION?

**O3-3**  BASELINE SERUM CYTOKINE LEVELS MAY PREDICT RESPONDERS TO OMALIZUMAB AND MEPOLIZUMAB

**O3-4**  ADRENAL INSUFFICIENCY (AI) IN SEVERE ASTHMA (SA). COMPARISON WITH STANDARD ACTH RESPONSE IN NON-ASTHMATIC HEALTHY CONTROL.
### Oral Communication 4  
**Friday, 5th OCT 2018 <8:00-9:00> Room B**

**Asthma treatment**

<table>
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<tr>
<th>Chairs</th>
<th>Authors</th>
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<tr>
<td>Ken Ohta</td>
<td>Japan Anti-Tuberculosis Association, Fukuiji Hospital, Japan</td>
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<tr>
<td>Yasushi Tanimoto</td>
<td>National Hospital Organization Minami Okayama Medical Center, Japan</td>
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O4-1 **COMPARISON OF MONTELUKAST VS TIOTROPIUM AS ADD-ON THERAPY TO INHALED CORTICOSTEROIDS A PLUS LONG-ACTING β2-AGONIST FOR PATIENTS WITH ASTHMA**

O4-2 **FORMOTEROL ATTENUATES PERIOSTIN-INDUCED EOSINOPHIL ADHESION, SUPEROXIDE ANION GENERATION, AND DEGRANULATION.**

O4-3 **INVESTIGATING THE EFFECTS OF MOMETASONE AND FORMOTEROL ON C. ALBICANS GROWTH AND TRANSITION, AND THE OF EXPRESSION OF TLRS, CYTOKINES AND B-DEFENSINS BY GINGIVAL EPITHELIAL CELLS**

O4-4 **THE EFFICACY OF LOW-DOSE MACROLIDES FOR MODERATE TO SEVERE ASTHMA IN CLINICAL PRACTICE.**

### Oral Communication 5  
**Saturday, 6th OCT 2018 <8:00-9:00> Room A**

**Pathophysiology of asthma**

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<tr>
<th>Chairs</th>
<th>Authors</th>
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<tr>
<td>Giorgio Walter Canonica</td>
<td>Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy</td>
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<tr>
<td>Kazuyuki Nakagome</td>
<td>Department of Respiratory Medicine and Allergy Center, Saitama Medical University, Japan</td>
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O5-1 **A NOVEL REGULATORY MECHANISM OF GM-CSF SECRETION AND CELL MOTILITY BY p116Rip**

O5-2 **EPITHELIAL-MESENCHYMAL TRANSITION INDUCED BY TGF-β1 PROMOTES PROINFLAMMATORY CYTOKINE PRODUCTION IN RESPONSE TO CpG ODN**

O5-3 **VITAMIN D INDUCES LL-37 AND SUPPRESSES POLY I:C-INDUCED CCL5 FROM BRONCHIAL EPITHELIAL CELLS.**

O5-4 **PROTECTIVE EFFECT OF IL-33 AGAINST ELASTASE-INDUCED EMPHYSEMA**

### Oral Communication 6  
**Saturday, 6th OCT 2018 <8:00-9:00> Room B**

**Miscellaneous**

<table>
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<th>Chairs</th>
<th>Authors</th>
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<tr>
<td>Nelson Rosario</td>
<td>Full Professor of Pediatrics, Federal University of Paraná, Brazil; Chief, Pediatric Respiratory Medicine, FUP, Brazil</td>
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<tr>
<td>Motoyasu Iikura</td>
<td>Department of Respiratory Medicine, National Center for Global Health and Medicine, Japan</td>
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O6-1 **FASE (FRANCE ASTHME SEVÈRE) STUDY: AN OBSERVATIONAL STUDY OF SEVERE ASTHMATICS IN FRENCH NON ACADEMIC HOSPITALS.**

O6-2 **OCCUPATIONAL LETTUCE-INDUCED RESPIRATORY ALLERGY**

O6-3 **XENON VENTILATION COMPUTED TOMOGRAPHY AND BRONCHIAL THERMOPLASTY FOR ASTHMA**

O6-4 **SEX-DIFFERENCES IN EXERCISE-INDUCED BRONCHOCONSTRICTION USING 6-MINUTE FREE-RUNNING TEST BOTH IN SUMMER AND WINTER SEASONS IN KINDERGARTENERS IN JAPAN**
## Poster Session

### Poster session 1-1
**Management & prevention 1**

**Moderators**
- Louis Philippe Boulet
  - Professor, Quebec Heart and Lung Institute, Laval University, Canada
- Yasuto Kondo
  - Department of Pediatrics, School of Medicine, Fujita Health University, Japan

**P01** QUESTIONNAIRE SURVEY ON THE RELATIONSHIP BETWEEN BRONCHIAL ASTHMA AND TYPHOONS

**P02** ASSOCIATIONS OF PHYSICAL ACTIVITY WITH CHILDHOOD ASTHMA, A POPULATION STUDY BASED ON THE WHO - HEALTH BEHAVIOUR IN SCHOOL-AGED CHILDREN SURVEY (HBSC)

**P03** EGOGRAM EVALUATION FOR THE MANAGEMENT OF ASTHMATIC PATIENTS

**P04** CAN LOW-DOSE CHEST CT HELP IN DIFFERENTIAL DIAGNOSIS OF ACOS IN CHILDREN?

### Poster session 1-2
**Management & prevention 2**

**Moderators**
- Fulvio Braido
  - Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy
- Shuichiro Maruoka
  - Division of Respiratory Medicine, Department of Internal Medicine, Nihon University School of Medicine, Japan
- Tsutomu Iwata
  - Department of Education for Childcare, Graduate School of Humanities and Life Sciences, Tokyo Kasei University, Japan

**P05** AN EDUCATIONAL INTERVENTION OF SEVERE ASTHMA IN PRIMARY CARE PHYSICIANS IN MEXICO

**P06** ASSESSMENT OF ASTHMA CAMP EDUCATION PROGRAM FOR ELEMENTARY SCHOOL STUDENTS

**P07** DEVELOPMENT OF ASTHMA IS ASSOCIATED WITH POOR ORAL HYGIENE IN KOREAN TEENAGERS

**P08** EFFECT OF TRIPLE THERAPY IN PATIENTS WITH ASTHMA-COPD OVERLAP

### Poster session 1-3
**Treatment 1**

**Moderators**
- Lawrence DuBuske
  - Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
- Shoki Miyoshi
  - Department of Internal Medicine, Teikyo University School of Medicine, Japan

**P09** THE EFFICACY OF ON-DEMAND TREATMENT WITH BUDESONIDE AND FORMOTEROL COMBINATION FOR ADULT PATIENTS WITH MILD ASTHMA

**P10** PIOGLITASONE HAS ANTI-INFLAMMATORY AND ANGIOPROTECTIVE EFFECTS IN PATIENTS WITH ASTHMA

**P11** DUPILUMAB EFFICACY IN ASTHMA PATIENTS WITH COMORBID CHRONIC RHINOSINUSITIS OR NASAL POLYPOSIS (CRS/NP) IN LIBERTY ASTHMA QUEST

**P12** DUPILUMAB REDUCES RISK OF SEVERE EXACERBATIONS AND IMPROVES FEV1 IN PATIENTS ON BOTH HIGH-AND MEDIUM-DOSE ICS WITH UNCONTROLLED, MODERATE-TO-SEVERE ASTHMA FROM THE PHASE 3 LIBERTY ASTHMA QUEST STUDY
Poster session 1-4  
Friday, 5th OCT 2018 <17:15-18:00> Poster Session Room

Treatment 2

Moderators
Giorgio Walter Canonica  
Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy

Nobuaki Miyahara  
Department of Medical Technology, Okayama University Graduate School of Health Sciences, Japan

Mizuhoko Nagao  
National Hospital Organization Mie Hospital, Japan

P13  
UTILITY AND EFFECTIVENESS OF Budesonide/Formoterol Turbuhaler in a Patient with Severe Asthma After Permanent Tracheostomy

P14  
Extracorporeal Membrane Oxygenation as Emergency Treatment for Refractory Bronchospasm in Patients with Status Asthmaticus

P15  
Anti-Interleukin 5 Antibody Alleviated Severe Asthma, Eosinophilic Pneumonia and Eosinophilic Bronchiolitis

P16  
4 Cases of Chronic Eosinophilic Pneumonia Complicated with Severe Asthma Successfully Treated by Mepolizumab

P17  
Resolvin E3 Attenuates Asthmatic Inflammation in a Murine Model

Poster session 2-1  
Friday, 5th OCT 2018 <18:00-18:45> Poster Session Room

Epidemiology, causes & risk factors

Moderators
Kunio Dobashi  
Jobu Hospital for Respiratory Diseases, Japan

Tomoyuki Soma  
Department of Respiratory Medicine, Saitama Medical University, Japan

P18  
Impact of Acute Asthma in North Africa

P19  
International Severe Asthma Registry: A Real-Life Data Capture Model

P20  
Factors Influencing the Course of Asthma from the 1st to 6th Grades of Elementary School

P21  
Prenatal Maternal Anxiety Is Associated with Placental DNA Methylation to Develop Atopic Dermatitis in the Offspring

P22  
Redemption of Etoposide as Therapy-Induced Leukemia with Occurrence of Lung Asthma by Bone Marrow-Derived Hematopoietic Stem Cells in Albino Rats

P49  
Occupational Disease Caused Egg Protein Allergy in an Adult Patient

Poster session 2-2  
Friday, 5th OCT 2018 <18:00-18:45> Poster Session Room

Biomarker 1

Moderators
Fulvio Braido  
Associate Professor of Respiratory Medicine, University of Genoa; Respiratory Diseases and Allergy Clinic, Ospedale Policlinico San Martino, Genoa, Italy

Hidenori Arai  
Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, Japan

P23  
Clinical Features of Asthma Patients with Eosinophilic Chronic Rhinosinusitis

P24  
Effect of IgE Sensitization to Aspergillus Fumigatus on Eosinophilic Inflammation in Adult Atopic Asthma

P25  
Phenotypes of Allergic Bronchopulmonary Aspergillosis Identified by Cluster Analysis

P26  
Impact of Change in Adiponectin and PAI-1 Levels in Childhood Obesity Associated with Eosinophilic Inflammation of the Airway and Whole Body

P27  
A Case of Eosinophilic Bronchiolitis Complicated with Mediastinal Lymph Nodes Swelling
**Poster session 2-3**

**Biomarker 2**

**Moderators**
- Louis Philippe Boulet: Professor, Quebec Heart and Lung Institute, Laval University, Canada
- Junpei Saito: Department of Pulmonary Medicine, Fukushima Medical University, Japan
- Masako To: Department of Laboratory Medicine, Dokkyo Medical University Saitama Medical Center, Japan

**P28** THE EFFECT OF SPIROMETRY ON THE STABILITY OF EXHALED NITRIC OXIDE IN DAILY PRACTICE IN ASTHMATIC CHILDREN.

**P29** USEFULNESS OF PERIPHERAL AIRWAY INDICES FOR INVESTIGATION OF BRONCHIAL REACTIVITY

**P30** DIFFERENCES IN FeNO LEVELS ACCORDING TO INHALANT ALLERGEN SENSITIZATION PATTERN IN PATIENTS WITH ALLERGIC AIRWAY DISEASES.

**P31** USEFULNESS OF EXHALED BREATH TEMPERATURE FOR AN ASTHMA ATTACK IN CHILDREN

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**Poster session 2-4**

**Phenotype/endotype**

**Moderators**
- Ken Ohta: Japan Anti-Tuberculosis Association, Fukujuji Hospital, Japan
- Hisako Matsumoto: Department of Respiratory Medicine, Kyoto University Graduate School of Medicine, Japan

**P32** RELATION BETWEEN THE ACETYLCHOLINE RESPIRATORY THRESHOLD AND SERUM SCCA2 AND PERIOSTIN LEVELS IN CHILDREN WITH ASTHMA

**P33** SERUM LEVELS OF GROWTH FACTORS AND YKL-40 IN ACUTE AND STABLE ASTHMATIC CHILDREN

**P34** THE POSITIONING OF MEASUREMENTS OF SERUM YKL-40 IN VARIOUS RESPIRATORY DISEASES

**P35** A NOVEL AUTOMATED IMMUNOASSAY FOR MEASUREMENT OF EOSINOPHIL DERIVED NEUROTOXIN IN SERUM AND PLASMA FOR DIAGNOSIS OF ASTHMA IN CHILDREN

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**Poster session 3-1**

**Pathophysiology 1**

**Moderators**
- Lawrence DuBuske: Clinical Professor of Medicine, The George Washington University School of Medicine, Division of Allergy and Immunology, Department of Internal Medicine, George Washington University Medical Faculty Associates; President, GAA-INTERASMA; Director, Immunology Research Institute of New England; President, Medical Education and Research Management Services of New England (MERMSNE), USA
- Norihiro Harada: Department of Respiratory Medicine, Juntendo University Faculty of Medicine and Graduate School of Medicine, Japan
- Shin Ohta: Department of Internal Medicine, Department of Respiratory Medicine and Allergology, Showa University School of Medicine, Japan

**P36** DIFFERENTIAL PROPERTY OF MURINE AIRWAY EOSINOPHILIC INFLAMMATION INDUCED BY Th2 AND Th9 CELLS

**P37** T CELL DEATH ASSOCIATED GENE 8 MEDIATES MUC5AC EXPRESSION IN THE OVALBUMIN-INDUCED ASTHMA MODEL

**P38** IMPORTANT CONTRIBUTION OF NEUROPEPTIDE Y TO HOUSE DUST MITES-INDUCED AIRWAY HYPERRESPONSIVENESS AND INFLAMMATION

**P39** THE ROLE OF IRON-RESPONSIVE ELEMENT-BINDING PROTEIN 2 (IRP2) IN RESISTIVE BREATHING-INDUCED PULMONARY INFLAMMATION

**P40** CHITIN INDUCED PRODUCTION OF PROSTAGLANDIN E2 IN ALVEOLAR MACROPHAGES AND BRONCHIAL EPITHELIAL CELLS
### Poster session 3-2
Saturday, 6th OCT 2018 <13:45-14:30> Poster Session Room

**Pathophysiology 2**

**Moderators**
- Louis Philippe Boulet
- Takashi Iwanaga
- Makoto Ishii

**Professor, Quebec Heart and Lung Institute, Laval University, Canada**
- Faculty of Medicine, Japan
- Division of Pulmonary Medicine, Department of Medicine, Keio University School of Medicine, Japan

**P41** THE EFFECT OF PSYCHOSOCIAL STRESS ON ASTHMA

**P42** EFFECT OF EICOSANOIDS ON PULMONARY FUNCTION IN ASTHMATICS WITH CONCOMITANT ALLERGIC RHINITIS DURING JAPANESE CEDAR POLLEN SEASON.

**P52** COMPARISON OF NASAL CYTOKINE PROFILES OF HUMAN METAPNEUMOVIRUS AND RESPIRATORY SYNCYTIAL VIRUS

**P43** LEPTIN ENHANCES CYTOKINE SYNTHESIS BY HUMAN LUNG FIBROBLASTS

**P44** SERUM AND SPUTUM LEVELS OF RESISTIN-LIKE MOLECULE-β IN ASTHMA. RELATION TO CLINICAL INDICES AND AIRWAY WALL DIMENSIONS

**P45** THE EFFECT OF REPEATED INHALATION OF β2-AGONISTS IN A MURINE MODEL OF ALLERGIC AIRWAY INFLAMMATION

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### Poster session 3-3
Saturday, 6th OCT 2018 <13:45-14:30> Poster Session Room

**Allergy**

**Moderators**
- Giorgio Walter Canonica
- Mitsuru Imamura
- Naoto Watanabe

**Professor of Respiratory Diseases, Humanitas University; Head, Personalized Medicine Clinic Asthma and Allergy, Humanitas Research Hospital, Milan, Italy**

**Division of Rheumatology and Allergology, Department of Internal Medicine, St. Marianna University School of Medicine, Japan**

**Medical Center for Allergic and Immune Disease, Yokohama City Minato Red Cross Hospital, Japan**

**P46** TREE POLLEN SENSITIZATION IN CHILDREN WITH ALLERGIC RHINITIS AND ASTHMA IN BUSAN

**P47** THE CORRELATION OF POLLEN SEASON CHANGE TO INCREASED SENSITIZATION RATE OF POLLEN ALLERGENS OF CHILDREN IN 5 MAJOR CITIES OF KOREA

**P48** ALLERGIC SENSITIZATION PROFILE OF POLYSENSITIZED ASTHMATIC PATIENTS IN SOUTHERN CHINA USING MOLECULE-BASED IgE TECHNIQUE

**P50** THE PRACTICAL BENEFIT OF PHADIATOP TEST AS A FIRST-LINE IN-VITRO sIgE SCREENING OF AEROALLERGENS AMONG CHINESE ASTHMATICS: A VALIDATION STUDY

**P51** THE VALUE OF ALLERGY SCREENING IN CHINESE ADULT PATIENTS WITH CHRONIC RESPIRATORY DISEASES
## Interasma Japan/North Asia Program

### Special Lecture 1

**Chair:** Mitsuru Adachi  
*Professor of Medicine, Department of Clinical Research Center, International University of Health and Welfare/Sanno Hospital, Japan*

### Hypersensitivity Pneumonitis Update

**Speaker:** Yasunari Miyazaki  
*Department of Respiratory Medicine, Tokyo Medical and Dental University, Japan*

### Special Lecture 2

**Chairs:** Masami Taniguchi, Hironori Sagara  
*Director of Clinical Research Center for Allergy and Rheumatology, Sagamihara National Hospital, Japan*  
*Department of Medicine, Division of Respiratory Medicine and Allergology, Showa University School of Medicine, Japan*

### N-ERD as a heterogenous asthma phenotype

**Speaker:** Marek L. Kowalski  
*Chairman, Department of Immunology and Allergy, Chair of Clinical Immunology and Rheumatology, Medical University of Lodz, Poland*

## J-Symposium (be conducted in Japanese)

### J-Symposium 1

**Factors relating to phenotypes of asthma**

**Chair:** Sadahiro Asai  
*San Remo Rehabilitation Hospital, Japan*

**Penotypes of asthma and type 2 inflammation**

**Speaker:** Hisako Matsumoto  
*Department of Respiratory Medicine, Kyoto University Graduate School of Medicine, Japan*

**Severity of asthma and IgE**

**Speaker:** Akihiko Tanaka  
*Department of Medicine, Division of Respiratory Medicine and Allergology, Showa University School of Medicine, Japan*

**Obesity and asthma**

**Speaker:** Yuma Fukutomi  
*National Hospital Organization Sagamihara Hospital, Japan*

### J-Symposium 2

**EGPA**

**Chair:** Hiroshi Nakajima  
*Department of Allergy and Clinical Immunology, Chiba University, Japan*

**Involvement of IL-5 in EGPA**

**Speaker:** Hiroshi Nakajima  
*Department of Allergy and Clinical Immunology, Chiba University, Japan*

**ANCA and pathological changes in the lung**

**Speaker:** Yuto Hamada  
*Clinical Research Center for Allergy and Rheumatology, National Hospital Organization Sagamihara National Hospital, Japan*

**Significance of IVIG therapy**

**Speaker:** Masami Taniguchi  
*Director of Clinical Research Center for Allergy and Rheumatology, Sagamihara National Hospital, Japan*

[Co-sponsored by TEIJIN PHARMA LIMITED.]
### J-Symposium 3

**Thursday, 4th OCT 2018 <15:30-17:00> Room C**

**New therapeutic strategy**

Chair: Naoki Shimojo  
Department of Pediatrics, Graduate School of Medicine, Chiba University, Japan

**Trend of allergen immunotherapy**

Speaker: Makoto Nagata  
Department of Respiratory Medicine and Allergy Center, Saitama Medical University, Japan

**New position of anticholinergics in asthma therapy**

Speaker: Shin Ohta  
Department of Internal Medicine, Department of Respiratory Medicine and Allergology, Showa University School of Medicine, Japan

**Appropriate use of biologics and future outlook**

Speaker: Hiroyuki Nagase  
Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, Japan

**Bronchial thermoplasty**

Speaker: Motoyasu Ikura  
Department of Respiratory Medicine, National Center for Global Health and Medicine, Japan  
[Co-sponsored by TORII PHARMACEUTICAL CO., LTD.]

### J-Symposium 4

**Thursday, 4th OCT 2018 <17:30-19:00> Room C**

**Severe asthma and comorbidity**

Chairs: Yoko Shibata  
Department of Pulmonary Medicine, Fukushima Medical University, Japan  
Shigetoshi Kobayashi  
Department of Pediatrics, School of Medicine, Teikyo University, Japan

**COPD**

Speaker: Masakazu Ichinose  
Professor and Chairman, Department of Respiratory Medicine, Tohoku University Graduate School of Medicine, Japan

**AERD**

Speaker: Masami Taniguchi  
Director of Clinical Research Center for Allergy and Rheumatology, Sagamihara National Hospital, Japan

**Anaphylaxis**

Speaker: Masao Yamaguchi  
Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, Japan  
[Co-sponsored by ONO PHARMACEUTICAL CO., LTD.]

### J-Symposium 5

**Friday, 5th OCT 2018 <11:00-12:30> Room C**

**Involvement of fungi and asthma**

Chairs: Mitsuko Kondo  
1st Department of Medicine, Tokyo Women's Medical University, Japan  
Tsuyoshi Oguma  
Division of Pulmonary Medicine, Department of Medicine, Tokai University School of Medicine, Japan

**Overview of fungi in the environment**

Speaker: Katsuhiko Kamei  
Medical Mycology Research Center, Chiba University, Japan

**Mechanism of inducing severe inflammation**

Speaker: Hiroto Matsuse  
Division of Respiratory Medicine, Department of Internal Medicine, Toho University Ohashi Medical Center, Japan

**Allergic bronchopulmonary mycosis up to date**

Speaker: Tsuyoshi Oguma  
Division of Pulmonary Medicine, Department of Medicine, Tokai University School of Medicine, Japan  
[Co-sponsored by KYORIN Pharmaceutical Co., Ltd.]

### J-Symposium 6

**Friday, 5th OCT 2018 <13:30-15:00> Room C**

**Cell biological approach to study airway inflammation**

Chair: Isao Ohno  
Center for Medical Education, Tohoku Medical and Pharmaceutical University, Japan

**Eosinophils**

Speaker: Akio Mori  
National Hospital Organization Sagamihara National Hospital, Clinical Research Center, Japan
ILCs
Speaker  Norihiro Harada  Department of Respiratory Medicine, Juntendo University Faculty of Medicine and Graduate School of Medicine, Japan

Neutrophils
Speaker  Nobuaki Miyahara  Department of Medical Technology, Okayama University Graduate School of Health Sciences, Japan

Basophils
Speaker  Keiko Wakahara  Department of Respiratory Medicine, Nagoya University Graduate School of Medicine, Japan

J-Symposium 7  Friday, 5th OCT 2018 <15:30-17:00> Room C

Utilization of FeNO
Chair  Yasuhiro Gon  Department of Internal Medicine, Division of Respiratory Medicine, Nihon University School of Medicine, Japan

Factors influencing on FeNO measurement
Speaker  Akira Koarai  Department of Respiratory Medicine, Tohoku University Hospital, Japan

Use of FeNO for diagnosing asthma in pediatrics
Speaker  Takao Fujisawa  Mie National Hospital, Japan

Use of FeNO for diagnosing asthma in adults
Speaker  Junpei Saito  Department of Pulmonary Medicine, Fukushima Medical University, Japan
[Co-sponsored by CHEST M.I., INC.]

J-Symposium 8  Friday, 5th OCT 2018 <17:00-18:30> Room C

Practical approach for cough
Chairs  Tomoaki Iwanaga  National Hospital Organization Fukuoka Hospital, Japan
        Yasuo To  Department of Allergy and Respiratory Medicine, The Fraternity Memorial Hospital, Japan

Differential diagnosis of cough in adults
Speaker  Masaki Fujimura  National Hospital Organization Nanao Hospital, Japan

Differential diagnosis of cough in pediatrics
Speaker  Hiroyuki Mochizuki  Department of Pediatrics, Tokai University School of Medicine, Japan

Significance of neurogenic inflammation and its therapeutic approach
Speaker  Kenichi Tokuyama  Department of Pediatrics and Allergy Center, Saitama Medical University, Japan