VII International symposium on recent advances in rhinosinusitis and nasal polyposis
organized by nasal polyposis consensus group

ABSTRACT BOOK

Dates: 4-6th October, 2013

Venue: Shimane Prefectural Convention Center "Kunibiki Messe" Matsue city, Shimane prefecture, Japan

President elect: Hideyuki Kawauchi, MD, DMSc professor and chairman, Dept of ORL, Faculty of Medicine, Shimane University

Official Site: http://www.npcg7.umin.jp
VII International symposium on recent advances in rhinosinusitis and nasal polyposis

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Dear Colleagues,

It is my great pleasure to announce that the 7th International Symposium on Recent Advances in Rhinosinusitis and Nasal Polyposis (previously called Intl. consensus conference on nasal polyposis) will be held on October 4th–6th, 2013, at Matsue city, Shimane, Japan. At the 6th meeting in Kiev, Ukraine, conference committee made a decision to recruit this meeting outside of Europe and requested me to host this important meeting in Japan. I am very honored to host the upcoming symposium herein Shimane, Japan.

I would like to invite all of my colleagues to this important symposium. I have been currently developing a programme with a high quality of scientific sessions. There will be invited special lectures addressed by internationally renowned professors, international faculties’ lectures (keynote lectures and panel discussions), and free paper sessions (oral and poster). Furthermore, three sponsored symposia are scheduled, dealing with pathophysiology of airway inflammatory disease, immunopathology of persistent inflammation in sinonasal cavity -From the Bench to Clinic-, and airway mucus and innate immunity of upper and lower respiratory tract.

I think these symposia will be an excellent opportunity for participants to understand the latest informations on rhinosinusitis and nasal polyposis and take back valuable messages home. Thanks to all of you, we are now scientifically provided with more than 100 presentations including free oral or poster presentations. I would like you to take a deep look at the final program.

Actually speaking, I do feel very happy to welcome so many my teachers and friends from oversea and Japan as well. I never expected this tremendous situation, at the early beginning when I started the preparation for 7th meeting two years ago, after we had assembled together in Kiev, Ukraine.

Besides with the scientific programme with distinguished faculties, I am sure that attractive social activities and the historical and natural beauties of congress venue will be absolutely fascinating you and your spouse during your stay in Matsue city, Shimane. Our Old-fashioned Matsue castle surrounded with Lake Shinji, Famous Shrine, “Izumo Taisha”, with more than 2000 years history, world heritage, “Iwami Silver Mountain”, and world cultural heritage, “Sada Shinnoh noh play”.

On behalf of the Organizing Committee, I would like to cordially express my sincere thanks to all of you and very much welcome you to the 7th International Symposium on Recent Advances in Rhinosinusitis and Nasal Polyposis.

Sincerely yours,

Hideyuki Kawauchi
Hideyuki Kawauchi, MD, DMSc
professor and chairman, Department of Otorhinolaryngology,
Vice Dean, Faculty of Medicine, Shimane University, Izumo city, Japan
Correspondence: Kawauchi@med.shimane-u.ac.jp
Organizing Committee

GUEST OF HONOR (PREVIOUS ORGANIZERS)

1st president Desiderio Passali (Italy)
2nd president Ranko Mladina (Croatia)
3rd president Peter Clement (Belgium)
4th president Andrey Lopatin (Russia)
5th president Metin Onerci (Turkey)
6th president Dmytro Zabolotnyi (Ukraine)

PRESIDENT ELECT

Program chairman at 7th meeting: Hideyuki Kawauchi (Shimane, Japan)

INVITED SPEAKERS

Prof. Kenneth Adler :
Department of Molecular Biomedical Sciences, North Carolina State University, College of Veterinary Medicine, Raleigh, NC, USA

Prof. Kwang Chul Kim :
Lung Mucus Research Program, Center for Inflammation, Translational and Clinical Lung Research & Department of Physiology, Temple University School of Medicine, Philadelphia, PA, USA

Prof. Reen Wu :
Division of Pulmonary & Critical Care Medicine, Department of Internal Medicine, and Veterinary Anatomy, Physiology & Cell Biology, University of California at Davis, USA

Prof. Hiroshi Kiyono :
Division of Biosciences Department of Medical Genome Sciences Mucosal immunology, Mucosal vaccine, Allergy and inflammation, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan

Prof. Hirohisa Saito :
Deputy Director, National Research Institute for Child Health & Development, Tokyo, Japan

Prof. Kouichiro Asano :
Department of Pulmonary Medicine, Tokai University School of Medicine, Kanagawa, Japan

Prof. Masahiro Inoue :
Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences Kagoshima University, Kagoshima, Japan

Prof. Kazushige Touhara :
Department of Applied Biological Chemistry, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Tokyo, Japan
INTERNATIONAL FACULTY

Desiderio Passali, Rome, Italy
Ranko Mladina, Zagreb, Croatia
Andrey Lopatin, Moscow, Russia
Dmytro Zabolotnyi, Kiev, Ukraine
Jens Ponikau, Rochester, USA
Ricardo de Hoyos, Monterrey, Mexico
Hugo Rodriguez, Buenos Aires, Argentina
Pontus Eric Stierna, Stockholm, Sweden
Valerie Lund, London, United Kingdom
Wytske Fokkens, Amsterdam, The Netherlands
Jean-Silvain Lacroix, Geneva, Switzerland
Vladimir Kozlov, Yaroslavl, Russia
Ralph Mösges, Cologne, Germany
Jan Gosepath, Wiesbaden, Germany
Rudolf Leuwer, Krefeld, Germany
Claus Bachert, Ghent, Belgium
Phillipe Gevaert, Ghent, Belgium
Philippe Eloy, Bruxelles, Belgium
Peter Hellings, Leuven, Belgium
Stephan Vlaminck, Bruges, Belgium
Giulio Cesare Passali, Rome, Italy

Luisa Bellussi, Rome, Italy
Mario Rigante, Rome, Italy
Eugenio De Corso, Italy
Marco Piemonte, Udine, Italy
Emmanuel Prokopakis, Crete, Greece
Codrut Sarofoleanu, Bucharest, Romania
Metin Onerci, Ankara, Turkey
Hesham Negm, Cairo, Egypt
Darlene Lubbe, Cape Town, South Africa
Hemant Ahluwalia, India
De Yung Wang, Singapore
Balwant Gendeh, Malaysia
Gil Vicente, Philippines
Lei Chen, Beijing, China
Yeh Te-Huei, Taipei, Taiwan
Joo-Heon Yoon, Seoul, Korea
Chang-Hoon Kim, Seoul, Korea
Eun Chang Choi, Seoul, Korea
Hong Ryul Jin, Seoul, Korea
Hwan-Jung Roh, Pusan, Korea

JAPANESE FACULTY

Satoshi Fukuda, Sapporo, Japan
Tetsuo Himi, Sapporo, Japan
Nobuo Ohta, Yamagata, Japan
Keiichi Ichimura, Tochigi, Japan
Shin-ichi Haruna, Tochigi, Japan
Yukiko Ino, Saitama, Japan
Yoshitaka Okamoto, Chiba, Japan
Hiroshi Suzuki, Tokyo, Japan
Hiroshi Moriyama, Tokyo, Japan
Harumi Suzuki, Tokyo, Japan
Toshio Yoshidara, Tokyo, Japan
Katsuhisa Ikeda, Tokyo, Japan
Tatsuya Yamasoba, Tokyo, Japan
Shoji Matsune, Tokyo, Japan
Jun-ichi Ishitoya, Yokohaya, Japan
Takaki Miwa, Kanazawa, Japan

Shigeharu Fujieda, Fukui, Japan
Kensei Naito, Nagoya, Japan
Kenji Suzuki, Nagoya, Japan
Kazuhiko Takeuchi, Mie, Japan
Takeshi Shimizu, Shiga, Japan
Hiroshi Takenaka, Takatsuki, Japan
Ryo Kawata, Takatsuki, Japan
Koichi Tomoda, Hirakata, Japan
Satoshi Ogino, Osaka, Japan
Tatsuto Harada, Kurashiki, Japan
Katsuhiko Hirakawa, Hiroshima, Japan
Hiroshi Yamashita, Yamaguchi, Japan
Masashi Suzuki, Oita, Japan
Yuichi Kurono, Kagoshima, Japan
Mikio Suzuki, Okinawa, Japan
PROGRAM COMMITTEE MEMBERS

INTERNATIONAL

Desiderio Passali, Rome, Italy
Ranko Mladina, Zagreb, Croatia
Andrey Lopatin, Moscow, Russia
Metin Onerci, Ankara, Turkey
Dmytro Zabolotnyi, Kiev, Ukraine
Pontus Stierna, Stockholm, Sweden

Giulio Cesare Passali, Rome, Italy
Francesco Maria Passali, Rome, Italy
Emmanuel Prokopakis, Crete, Greece
Joo-Heon Yoon, Seoul, Korea
Chang-Hoon Kim, Seoul, Korea

DOMESTIC

Yuji Nakamaru, Sapporo, Japan
Dai Takagi, Sapporo, Japan
Nobuo Ohta, Yamagata, Japan
Nobuyoshi Otori, Tokyo, Japan
Shoji Matsune, Tokyo, Japan
Kenji Kondo, Tokyo, Japan
Motohiko Suzuki, Nagoya, Japan
Sawako Masuda, Mie, Japan
Mikiya Asako, Hirakata, Japan

Akira Kanda, Hirakata, Japan
Tetsuya Terada, Takatsuki, Japan
Mitsuhiro Okano, Okayama, Japan
Yukiyoshi Hyo, Kurashiki, Japan
Noriaki Aoi, Shimane, Japan
Ichiro Morikura, Shimane, Japan
Takashi Hirano, Oita, Japan
Satoru Kodama, Oita, Japan

Main Theme

Basic and clinical research on rhinosinusitis and nasal polyposis

Topics

Definition, Nomenclature, Diagnosis
Pathophysiology
Immunology and microbiology
Biochemistry (mucin, surfactant, proteolytic enzymes) and molecular biology
Olfactory function
Eosinophilic inflammation
Pharmaceutical treatment (steroid, mucolytics, macrolides, others)
Topical or systemic steroid therapy
New perspectives (SNIP, gene therapy and so on)
Surgical treatment and nasal irrigation
Rhinosinusitis and its related disorders (inverted papilloma, invasive type aspergillosis in sinonasal cavity, otitis media with effusion)
Others

Presentation Category

Symposia, Panel discussions, Invited lectures, Keynote lectures, Workshops, and Free oral and poster presentations are provided.
General Information
**General Information**

**Date:** October 3rd – 6th, 2013

**Venue:** Shimane Prefectural Convention Center “Kunibiki Messe”, Matsue city, Shimane, JAPAN

**Official Language:** English

**Congress website:** http://www.npcg7.umin.jp/

**Congress Secretariat:** Inquiries related to the Conference should be directed to the following address:
The 7th International Symposium on Recent Advances in Rhinosinusitis and Nasal Polyposis
Department of Otorhinolaryngology, Faculty of Medicine, Shimane University
89-1 Enya-cho, IZUMO city, Shimane Prefecture
Phone: +81 853-20-2273 or 2272  FAX: +81 853-20-2271
E-Mail: npcg7@med.shimane-u.ac.jp

**On site registration:** The registration desk will be open at the following period:
- Thursday, October 3rd  16:00 – 20:00
- Friday, October 4th   07:30 – 19:00
- Saturday, October 5th 07:30 – 19:00
- Sunday, October 6th   07:30 – 16:00

Please fill in one congress registration form per delegate and accompanying person if any. You will receive a personalized badge when collecting your registration documents on the registration desk, if you have done early bird registration. During the Congress, this badge must be clearly visible at all the times, as it grants access to the Scientific Sessions and the Commercial Exhibition.

Registration fee: 30,000 ( thirty thousands ) Japanese Yen. Advanced registration is highly recommended through the website. If you need on site registration, You can pay your registration fee at the registration desk with cash or credit card, but not with a check, when you arrive at congress site.

**PARTICIPANT'S REGISTRATION FEE INCLUDES:**
(Members, Non-Members, Trainees)

- Admission to all scientific session
- Admission to poster- and commercial exhibition
- Conference materials (congress bag, final programme, abstract volume, badge)
- Coffee breaks and refreshments in the Exhibition Hall
- Free Access to Morning Seminars, Luncheon Seminars, and evening sponsored symposia
- Welcome party for all participants on October 3rd, Thursday (Ichibata Hotel)
- Get Together party for all participants on October 5th, Saturday (Italian Restaurant & café LAUT in Matsue English Garden)
* Accompanying person’s program (Ex; Bus Excursion to the IZUMO shrine, or Adachi Museum). Please come to the registration desk to see the details of accompanying person’s program on each day during congress period. Participants with an accompanying person’s program on each day, shall come to Kunibiki Messe, congress site, by 9:45 am and leave together for excursion at 10:00 am. The excursion will be finished approximately until 16:00.
Participants will be delivered to each hotel, where you can stay and congress site as well.
* Special invitation for performance of world cultural heritage, “Sada Shinnoh noh play” on October 5th, Saturday, 20:00–21:00 (tickets are available for limited number of participants, so if you really want to take a look, please make a contact at registration desk to get a ticket with a small charge of donation to the shrine.)

**Hotel accommodation**
Informations as regard hotel accommodation will be sooner provided at the registration desk or congress website; http://www.npcg7.umin.jp

**PC presentation:**
PC Center is available for you at the following time during the congress period.
Thursday, October 3rd 17:00 – 20:00  (Ichibata hotel)
Friday, October 4th  07:30 – 18:00  (Kunibiki Messe)
Saturday, October 5th  07:30 – 18:00  (Kunibiki Messe)
Sunday, October 6th  07:30 – 16:00  (Kunibiki Messe)
Guidelines for Oral Presentation

The opening hours of the Speakers Preview Center:

- **All speakers** giving a presentation at the Congress are requested to validate, upload and test their presentation in the Speakers Preview Center a minimum of 1 hour before the session starts, or the day before if the session starts early.
- **If you are a mac-user** and intend to upload your presentation, please make sure that you should check-in early for your mac-presentation to be converted to a pc format.
- **Speakers who intends to use own PCs** should bring them to the Speakers Preview Center at least 1 hour prior to each session.
- **Connectors provided at the venue** will be D-Sub 15-Pin only – PCs must fit them.
- **External connectors must be brought** by speakers themselves.

Presentation Time:

- **Each presentation in the Free Paper Sessions** should be a maximum of 10–12 minutes leaving up to a couple of minutes for questions and discussion.
- **We would like to ask all speakers** to prepare carefully within the timelines as a gesture of respect for your audience and your co-speakers.

Acceptable media:

- USB / Flash drives

Available Software:

- Microsoft PowerPoint 2010 for Windows, 2011 for Mac and earlier editions

Audio:

- Audio files integrated in a PowerPoint such as mp3 and wav.

Video:

- AVI and MPEG movies, integrated in a PowerPoint presentation, using among the following codec’s:
  - DivX H.264 [version 8.2.0.26]
  - Xvid MPEG-4 [version 1.2.2]
  - MPEG-2 / MPEG-1
  - Windows Media 11
Guidelines for Poster Presentation

Materials and Procedures:

The venue will furnish poster panels 90 cm wide × 180 cm high; the upper space (20 cm high × 70 cm wide) to show the presentation subject, speaker affiliations and full name, the lower 90 cm × 160 cm to contain, as shown below.

Presenters must place their posters on their assigned board with pins provided at the venue.

Posters have to be put up during congress period of time in Exhibition Hall, with your earliest convenience, possibly no later than 10:00 am on Friday, October 4th, and removed by 16:00 on Sunday, October 6th.

Should you have any questions, please don’t hesitate to ask to the congress secretariat at the registration desk.
EXHIBITION HALL
  • Poster Presentation
  • exhibition
  • PC Center
  • Refreshments During and Lunch the Congress
Scientific Program
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room A</th>
<th>Room B</th>
<th>EXHIBITION HALL</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Opening remarks</td>
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| 8:20  | Nasal polyposis consensus conference group’s dedication to the research on rhinosinusitis and nasal polyp |                                             |                                             | Moderators: Dmytro Zabolotnyi, Hideyuki Kawachi  
Speakers: Desiderio Passali, Ranko Mladina, Andrey Lopatin, Metin Onerci                                                                                     |
| 9:00  | NPCG WORKSHOP I 1~6                                                  |                                             | NPCG WORKSHOP III 13~18                    | Moderators: Luisa Bellussi, Hwan-Jung Roh  
Speakers: Nobuyoshi Otori, Yeh Te-Huei                                                                                                                    |
| 10:40 | NPCG WORKSHOP II 7~12                                                 |                                             | NPCG WORKSHOP IV 19~24                     | Moderators: Marco Piemonte, Balwant Gendeh  
Speakers: James M. Weis, William A. Symons, Siddharth V. Shah, Andrew A. Marks                                                                          |
| 12:00 |                                                                 |                                             |                                             |                                                                                                                                                 |
| 12:10 |                                                                 |                                             |                                             | SPONSORED LUNCHEON SEMINAR  
Supported by VOXEL-MAN Group, University Medical Center Hamburg-Eppendorf & Nagashima Medical Instruments.CO.,LTD.  
Moderator: Koichi Tomoda  
Speakers: Rudolf Leuwe                                                                                                                                         |
| 12:50 |                                                                 |                                             |                                             |                                                                                                                                                 |
| 13:00 | KEYNOTE LECTURE FOR FUTURE RESEARCH                                   |                                             |                                             | European position paper on rhinosinusitis and nasal polyps 2012  
Moderators: Hiroshi Takenaka, Andrey Lopatin  
Speakers: Valerie Lund, Peter Hellings                                                                                                                        |
| 14:00 | SPECIAL LECTURE                                                        |                                             |                                             | Moderator: Harumi Suzuki  
Speaker: Jens Ponikau                                                                                                                                           |
| 15:00 |                                                                 |                                             |                                             | Coffee break                                                                                                                                 |
| 15:10 |                                                                 |                                             |                                             |                                                                                                                                                 |
| 16:40 | SPONSORED EVENING SYMPOSIUM                                           |                                             |                                             | Supported by GSK PHARMACEUTICAL CO. Pathophysiology of airway inflammatory disease-updated information  
Moderators: Pontus Stierna & Shigebaru Fugieda  
Speakers: Wytske Fokkens, Hiromasa Inoue, Nobuo Ohma, Akira Kanda                                                                                        |
| 17:40 | SPECIAL LECTURE BY THE EXPERT                                         |                                             |                                             | IgE and Non-IgE mediated allergic inflammation  
Moderator: Yoshinaka Okamoto  
Speaker: Hirohisa Saito                                                                                                                                         |
<p>| 18:40 |                                                                 |                                             |                                             | Iwami Kagura performance                                                                                                                             |</p>
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<tr>
<th>Time</th>
<th>Room A</th>
<th>Room B</th>
<th>EXHIBITION HALL</th>
<th>English Garden</th>
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<tbody>
<tr>
<td>8:00</td>
<td>MORNING SEMINAR</td>
<td>STEM CELL RESEARCH SESSION</td>
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<tr>
<td>8:15</td>
<td>&quot;The lamb's head dissection: a novel and unique method for teaching and training endonasal endoscopic surgical techniques&quot;</td>
<td>Moderator: Hideyuki Kawauchi, Yong Wan Kim</td>
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<td>Speaker: Ranko Mladina</td>
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<td>8:45</td>
<td>SYMPOSIUM invited by SHIMANE UNIVERSITY</td>
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<td>8:50</td>
<td>Immunopathology of persistent inflammation in sinonasal cavity - From the Bench to Clinic -</td>
<td>Moderators: Valerie Lund, Hideyuki Kawauchi, Jun-ichi Ishitoya, Mitsuhiro Okano, Yukiko Iino</td>
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<td></td>
<td>Speaker: Claus Bachert, Yeh Te-Huei, Luisa Bellussi</td>
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<td>11:20</td>
<td>Coffee break</td>
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<td>11:30</td>
<td>SPONSORED LUNCHEON SEMINAR supported by MSD K.K.</td>
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<td></td>
<td>Nasal polyp Disease and Asthma</td>
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<td>Moderator: Yuichi Kurono</td>
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<td>Speakers: Kouichi Asano, Claus Bachert</td>
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<td>12:30</td>
<td>Nasal polyposis consensus group</td>
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<td>Business meeting over the Lunch</td>
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<td>15:30</td>
<td>SPONSORED SEMINAR supported by MORITA MFG. CORP.</td>
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<td>Updated informations on endoscopic sinus surgery</td>
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<td>Moderator: Hiroshi Moriyama</td>
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<td>Speakers: Nobuyoshi Otori, Yeh Te-Huei</td>
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<td>14:40</td>
<td>SPECIAL LECTURE BY THE EXPERT</td>
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<td>The mucosal immune system for new generation of prophylaxis and therapeutic nasal and oral vaccines</td>
<td>Moderator: Tetsuo Himi</td>
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<td>Speaker: Hiroshi Kiyono</td>
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<td>Coffee break</td>
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<td>15:30</td>
<td>SPONSORED EVENING SYMPOSIUM supported by PRAMS AND KYORIN PHARMACEUTICAL CO.</td>
<td>Airway mucus and innate immunity of upper and lower respiratory tract</td>
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<td>Moderator: Joo-Heon Yoon &amp; Takeshi Shimizu</td>
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<td>Speakers: Kenneth Adler, Reen Wu, Kwang Chul Kim</td>
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<td>Joo-Heon Yoon, Takeshi Shimizu</td>
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<td>20:00</td>
<td>GET TOGETHER PARTY</td>
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<td>21:00</td>
<td>20:00-21:00 Sada Shinnoh noh play</td>
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<td>22:00</td>
<td>-22:00 Closing of GET TOGETHER PARTY</td>
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<td>8:00</td>
<td><strong>MORNING SEMINAR</strong></td>
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<td>Moderator: Tamotsu Harada</td>
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<td>Speaker: Kenji Suzuki</td>
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<td>Moderator: Toshio Yoshihara</td>
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<td>Speaker: Nobuo Ohta</td>
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<td>9:00</td>
<td><strong>KEYNOTE LECTURE</strong></td>
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<td>Cutting edge of the research for olfactory function</td>
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<td>Moderators: Takaki Miwa, GC Passali</td>
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<td>Speakers: Kazushige Touhara, Takaki Miwa, Giulio Cesare Passali, Kenji Kondo</td>
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<td>10:40</td>
<td>Coffee break</td>
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<td>10:50</td>
<td><strong>PANEL DISCUSSION 1</strong></td>
<td><strong>NPCG WORKSHOP V</strong></td>
<td><strong>LUNCHEON SEMINAR</strong></td>
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<td>Management of Inverted papilloma in sinonasal cavity and others</td>
<td>Macrolides and Management of Pediatric Rhinosinusitis</td>
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<td>Moderators: Satoshi Fukuda, Stephan Vlaminck</td>
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<td>Speakers: Chang Hoon Kim, Mario Rigante, Eun Chang Choi, Mikio Suzuki, Yuji Nakamaru</td>
<td>Moderators: Yukiko Ino, Philippe Gevaert</td>
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<td>Speakers: Andrey Lopatin, Syoji Matsune, Emmanuel Prokopakis, Peter Hellings, Sawako Masuda</td>
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<tr>
<td>12:30</td>
<td><strong>Free oral presentations</strong></td>
<td><strong>Free oral presentations</strong></td>
<td><strong>Post-conference research meeting organized by NPCC group</strong></td>
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<td></td>
<td>OP-1~OP-6</td>
<td>OP-7~OP-12</td>
<td>Chairpersons: Desiderio Passali, Ranko Mladina</td>
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<td>Moderators: Mikio Suzuki, Shin-ichi Haruna</td>
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<td>Moderators: Hideyuki Kawauchi, Syoji Matsune</td>
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<tr>
<td>15:00</td>
<td><strong>Post-conference research meeting</strong></td>
<td></td>
<td>Moderators: Desiderio Passali, Dmytro Zabolotnyi</td>
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<tr>
<td>16:40</td>
<td><strong>Closing Remark</strong></td>
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## PREMIERE NIGHT SYMPOSIUM ON DEFENSE SYSTEM AND PATHOLOGY OF RESPIRATORY TRACT INFLAMMATION

Sponsored by
The Shimane Division of Otorhinolaryngological Society of Japan, Inc.
Pacific Rim & Asian Mucin Research Symposium (PRAMS)
Department of Otorhinolaryngology, Shimane University, Faculty of Medicine

Venue: Ichibata Hotel

### October 3rd, Thursday, 2013

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>16:00–</td>
<td>Registration open at Ichibata Hotel</td>
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<tr>
<td>18:00–18:10</td>
<td>Brief opening remark for premiere night symposium</td>
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<tr>
<td></td>
<td>Hideyuki Kawauchi</td>
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<td></td>
<td>Professor and chairman Department of ORL, Shimane University, Faculty of Medicine</td>
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<tr>
<td>18:10–18:50</td>
<td>Invited lecture (1)</td>
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<td>Moderator: Kwang Chul Kim</td>
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<td></td>
<td>Mucus Secretion, Chronic Inflammation, and Lung Cancer Metastasis: What do they have any common? part I</td>
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<td>Kenneth Adler</td>
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<td></td>
<td>Professor of Cell Biology, Department of Molecular Biomedical Sciences, North Carolina State University, Raleigh, NC, USA</td>
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<tr>
<td>18:50–19:30</td>
<td>Invited lecture (2)</td>
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<td>Moderator: Ranko Mladina</td>
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<tr>
<td></td>
<td>Mucus Secretion, Chronic Inflammation, and Lung Cancer Metastasis: What do they have any common? part II</td>
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<td>Reen Wu</td>
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<td></td>
<td>Professor, Internal medicine and VM anatomy, Physiology and Cell Biology, Center for Comparative Respiratory Biology and Medicine, Genome and Biomedical Science facility, University of California at Davis, Davis, CA, USA</td>
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<tr>
<td>19:30–19:40</td>
<td>Closing Remarks</td>
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<td>Hideyuki Kawauchi</td>
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<tr>
<td>19:40–22:00</td>
<td>Welcome Reception at Ichibata Hotel</td>
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</tbody>
</table>
# Scientific Program

**October 4th, Friday, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00</td>
<td></td>
<td><strong>Opening remarks</strong></td>
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<tr>
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<td>Hideyuki Kawauchi, <em>Dept of ORL, Shimane University</em></td>
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<tr>
<td>8:20–9:00</td>
<td>Room A</td>
<td>Nasal polyposis consensus group (NPCG)'s dedication to the research on rhinosinusitis and nasal polyps</td>
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<td>Moderators: Dmytro Zabolotnyi, Hideyuki Kawauchi, <em>Dept of ORL, Shimane University</em></td>
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<td></td>
<td></td>
<td>Speakers: Desiderio Passali, <em>Rome Italy</em>, Ranko Mladina, <em>Zagreb, Croatia</em></td>
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<td>Andrey Lopatin, Metin Onerci</td>
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<tr>
<td>9:00–10:30</td>
<td>Room A</td>
<td>NPCG WORKSHOP I</td>
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<td>Moderators: Mario Rigante, Ralph Mösges</td>
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</tbody>
</table>

1. **Medicine and OtoRhinoLaryngology in ancient Egypt**  
   Hesham Negm  
   *Faculty of Medicine, Cairo University*

2. **Chronic sino-nasal eosinophilic inflammation: from cellular migration to biochemical pathway**  
   E. De Corso, S. Baroni, M. Battista, M. Romanello, M. Rigante, GC Passali, C. Zuppi, G. Paludetti  
   1 *Institute of Otorhinolaryngology*  
   2 *Department of Diagnostic and Laboratory Medicine; Catholic University of Medicine and Surgery, Rome, Italy*

3. **The new aspects of polyps formation**  
   1 *State Institution “Institute of Otolaryngology named after prof. O.S. Kolomijchenko of Academy of Medical Sciences of Ukraine”, Kiev, Ukraine*  
   2 *Department of Biosciences and Medical Nutrition, Novum, Karolinska Institute, Karolinska University Hospital, Huddinge, Sweden*  
   3 *Department of Otorhinolaryngology Head and Neck Surgery, Clinical Centre Rebro, University of Zagreb, Croatia*
4. Longterm medical and surgical treatment of nasal polyps
Phillipe Gevaert
University of Ghent, Belgium

5. Complementary and alternative therapy of rhinosinusitis
Giulio Cesare Passali\textsuperscript{1}, Luisa Maria Bellussi\textsuperscript{2}, Francesco Maria Passali\textsuperscript{3}, Desiderio Passali\textsuperscript{2}
\textsuperscript{1} Department of Ent, Catholic University of the Sacred Heart, Italy
\textsuperscript{2} Department of Ent, University of Siena, Italy
\textsuperscript{3} Department of Ent, Tor Vergata University, Siena, Italy

6. The presence of eosinophilic mucin and fungal hyphae influences the surgical outcome in nasal polyp patients
Stephan Vlaminck\textsuperscript{1}, Tom Vauterin\textsuperscript{1}, Peter W Hellings\textsuperscript{2}, Mark Jorissen\textsuperscript{2}, Frederic Acke\textsuperscript{3},
Paul Van Cauwenberge\textsuperscript{1}, Claus Bachert\textsuperscript{1}, Phillipe Gevaert\textsuperscript{3}
\textsuperscript{1} Department of Otorhinolaryngology, AZ St-Johns Hospital, Bruges, Belgium
\textsuperscript{2} Department of Otorhinolaryngology, University Hospital, Leuven, Belgium
\textsuperscript{3} Department of Otorhinolaryngology, University Hospital, Ghent, Belgium

7. Agresive surgery in nasal polyposis - does it worth?
Codrut Sarafoleanu
Professor of ORL&HNS University of Medicine Carol Davila Bucharest, General Secretary of the Romanian Rhinologic Society, Chairman ORL&HNS Department “Sfanta Maria” Hospital

8. Minimally invasive endoscopic surgery in CRSwNP
Codrut Sarafoleanu
Professor of ORL&HNS University of Medicine Carol Davila Bucharest, General Secretary of the Romanian Rhinologic Society, Chairman ORL&HNS Department “Sfanta Maria” Hospital

9. The importance of local eosinophilia in the surgical outcome of chronic rhinosinusitis: a 3-year prospective observational study
Stephan Vlaminck
Department of Otorhinolaryngology, AZ St-Johns Hospital, Bruges, Belgium

10. Management of complications of fess for nasal polyposis
Mario Rigante
Institute of Otorhinolaryngology, Catholic University of Sacred Heart

11. Rhinomanometric reference values for normal nasal airflow resistance
R. Mösges, J. Merkle, M. Hellmich
Institute of Medical Statistics, Informatics and Epidemiology (IMSIE), University of Cologne, Cologne, Germany

12. Effects of sphenopalatine artery ligation on nasal polyposis
Pasquale Cassano, Michele Cassano
Department of Otorhinolaryngology, Foggia University Italy
13. **FEES complications**  
Desiderio Passali, Giulio Cesare Passali  
*Rome Italy*

14. **Rhininosinusitis and OSAS: a discussed relationship**  
Marco Piemonte  
*Head ENT Dept., University Hospital “S.Maria della Misericordia”, UDINE, Italy*

15. **Sinus cristae galli – constantly neglected source of chronic inflammation of paranasal sinuses**  
Ranko Mladina  
*Zagreb, Croatia*

16. **Role of macrolides in nasal polyposis**  
Balwant Singh Gendeh, Saleh Khaled Aboud, Salina Husain  
*Department of ORL-HNS, UKM Medical Center, Kuala Lumpur, Malaysia*

17. **Role of endoscopic sinus surgery in sinonasal papillomas**  
Balwant Singh Gendeh, Salina Husain, Noor Liza Ishak  
*Professor department of ORL-HNS, UKM Medical Center, Kuala Lumpur, Malaysia*

18. **Inverted papilloma: endoscopic approach and postoperative 5-fluorouracil application**  
Gil M. Vicente  
*Otolaryngology Department, St. Luke’s Medical Center, Manila, Philippines*

19. **An immunologic test for chronic rhinosinusitis based on free intranasal eosinophilic major basic protein**  
Jens U. Ponikau, Hirohito Kita, David A. Sherris, Eugene B. Kern  
*University at Buffalo, The State University of New York, Mayo Clinic, Rochester MN*

20. **Tac in nasal polyposis & rhinosinusitis**  
Hemant Ahluwalia  
*Agra, India*

21. **Targeting innate and acquired immunity in rhinosinusitis. Clinical effect profiles**  
Pontus Stierna  
*Karolinska University, Stockholm, Sweden*

22. **The effects of long and short term stress on eosinophilic airway inflammation**  
Pontus Stierna  
*Karolinska University, Stockholm, Sweden*
23. **Hygiene hypothesis and chronic rhinosinusitis**
   Emmanuel Prokopakis¹, Hideyuki Kawauchi²

   ¹ Department of Otorhinolaryngology, University of Crete, Crete, Greece
   ² Department of Otorhinolaryngology, Shimane University, Izumo, Japan

**Appendix. Innate and acquired immunity and its clinical impact on the pathogenesis of upper respiratory tract inflammation**

Hideyuki Kawauchi¹, Kwang Chul Kim², Emmanuel Prokopakis³

¹ Department of Otorhinolaryngology, Shimane University, Izumo, Japan
² Temple University School of Medicine, Philadelphia, USA
³ Department of Otorhinolaryngology, University of Crete, Crete, Greece

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**12:10–12:50**  
**EXHIBITION HALL**

**SPONSORED LUNCHEON SEMINAR** supported by VOXEL-MAN group, University Medical Center Hamburg-Eppendorf & Nagashima Medical Instruments.CO.,LTD.

**Moderator:** Koichi Tomoda, Dept of ORL, Kansai Medical University

**Voxel-Man Sinus: a virtual reality simulator for training of endoscopic sinus surgery**

**Speaker:** Rudolf Leuwer  
Department of Otorhinolaryngology, Krefeld Hospital, Krefeld, Germany

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**13:00–14:00**  
**Room A**

**KEYNOTE LECTURE FOR FUTURE RESEARCH**

**European position paper on rhinosinusitis and nasal polyps 2012**

**Moderators:** Hiroshi Takenaka, Osaka Medical University  
Andrey Lopatin, ENT Dept of Presidential Medical Centre, Moscow

1. **Evidence for medical treatments in nasal polyposis and future therapeutic developments**
   **Speaker:** Valerie Lund  
   *Professor of Rhinology at the Ear Institute, University College London and an Honorary Consultant ENT Surgeon at the Royal National Throat Nose and Ear Hospital*

2. **Aspects such as the inter-relationship with the lower respiratory tract and other future research directions**
   **Speaker:** Peter Hellings  
   *Adjunct Clinic Head, Department of Otorhinolaryngology, Laboratory of Experimental Immunology, University Hospitals Leuven*

Language modulators for Japanese: Mitsuhiro Okano, Hideyuki Kawauchi

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**14:00–15:00**  
**Room A (International meeting room)**

**SPECIAL LECTURE**

**Moderator:** Harumi Suzuki, Dept. of ORL, Showa University

**Chronic rhinosinusitis: in immune response to fungi**

**Speaker:** Jens Ponikau  
*University at Buffalo, The State University of New York Gromo Institute and Sinus Center, USA*

Language modulators for Japanese: Mitsuhiro Okano, Hideyuki Kawauchi
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<th>Time</th>
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<tbody>
<tr>
<td>15:00–15:10</td>
<td>Coffee break</td>
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<td>15:10–17:40</td>
<td>SPONSORED EVENING SYMPOSIUM supported by GSK PHARMACEUTICAL CO.</td>
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<tr>
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<td>Pathophysiology of airway inflammatory disease-updated information-</td>
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<td>Moderators: Pontus Stierna, Dept of ORL, Karolinska University, Sweden</td>
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<td>Shigeharu Fujieda, Dept of ORL, Fukui University</td>
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<tr>
<td></td>
<td>1. Rhinosinusitis pathology and management</td>
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<td>Wytske Fokkens</td>
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<td><em>Department of Otorhinolaryngology at the Academic Medical Center in Amsterdam</em></td>
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<td>2. Mechanism of lower airway inflammatory disease - Leukotriene B4 receptors in asthma-</td>
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<td>Hiromasa Inoue</td>
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<td></td>
<td><em>Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan</em></td>
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<td>3. Allergic inflammation in upper airway -Expression mechanism of corticosteroid receptor-</td>
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<td>Nobuo Ohta</td>
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<td></td>
<td><em>Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine</em></td>
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<td>4. The regulation of TH1/TH2 balance by eosinophils in the airway inflammation</td>
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<td>Akira Kanda(^1,2,3,4), Koichi Tomoda(^1), David Dombrowicz(^2,3,4)</td>
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<td></td>
<td>1 Department of Otolaryngology, Kansai Medical University, Japan</td>
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<td>2 Inserm U1011</td>
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<td>3 Institut Pasteur de Lille</td>
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<td>4 Université Lille 2, Lille, France</td>
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<td>17:50–18:40</td>
<td>SPECIAL LECTURE BY THE EXPERT</td>
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<td>Moderator: Yoshitaka Okamoto, Department of ORL, Chiba University</td>
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<td>IgE and Non-IgE mediated allergic inflammation</td>
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<td>Speaker: Hirohisa Saito</td>
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<td>Deputy Director, National Research Institute for Child Health &amp; Development, President, Japanese Society of Allergology, International Advisory Board &amp; Associate Editor, Journal of Allergy and Clinical Immunology, Member-at-Large, the WAO Board of Directors</td>
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<tr>
<td>18:40–19:10</td>
<td>Exhibition Room</td>
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<td>Iwami Kagura performance</td>
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</table>
The lamb’s head dissection: a novel and unique method for teaching and training endonasal endoscopic surgical techniques
Speaker: Ranko Mladina
ORL Dept., Univ. Hospital Salata Zagreb, Croatia

Stem cell therapy for allergic airway diseases in animal model
Hwan-Jung Roh
Department of Otolaryngology-Head and Neck Surgery, Inje University Haeundae Paik Hospital, Busan, Korea

Immunomodulatory effect of adipose tissue-derived stem cells on t-lymphocytes and cytokines expression in eosinophilic nasal polyposis
Yong Wan Kim1, Kyu Sup Cho2, Hwan Jung Roh1
1 Department of Otorhinolaryngology-Head and Neck Surgery, Inje University Haeundae Paik Hospital, Busan, Korea
2 Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University Hospital, Busan, Korea

1. Pheno- and endotyping of chronic rhinosinusitis with and without nasal polyps
Claus Bachert
Prof Dr C Bachert, URL, University of Ghent, Belgium

2. Blood eosinophilia and sinus wall thickness - predictors of recalcitrant chronic rhinosinusitis
Yeh Te-Huei
Department of Otolaryngology, National Taiwan University Hospital

3. Pathophysiology of airway inflammatory diseases
Luisa Bellussi
E.N.T. Clinic, Medical School, University of Siena, Policlinico “Le Scotte” Viale Bracci S 3 100 Siena Italy

4. Subclassification for chronic rhinosinusitis with nasal polyps (CRSwNP) in Japan: Eosinophilic CRSwNP versus non-eosinophilic CRSwNP
Jun-ichi Ishitoya
Department of Otorhinolaryngology, Yokohama City University Medical Center, Japan
5. Crosstalk of microbial antigens and COX metabolism in the pathogenesis of CRSwNP  
Mitsuhiro Okano  
Department of Otolaryngology-Head & Neck Surgery, Okayama University Graduate School of Medicine  
Okayama, JAPAN

6. Eosinophilic Otitis Media  
Yukiko Iino  
Department of Otolaryngology, Jichi Medical University Saitama, Medical Center, Saitama, Japan

11:20–11:30  
Coffee break

11:30–12:30  Room A  
SPONSORED LUNCHEON SEMINAR supported by MSD K.K.  
Nasal polyp Disease and Asthma  
Moderator: Yuichi Kurono, Dept of ORL, Kagoshima University

1. Corticosteroid sensitivity in natural helper cells  
Speaker: Koichiro Asano  
Division of Pulmonary Medicine, Tokai University School of Medicine, Kanagawa, Japan

2. Interaction between Nasal polyp disease and Asthma: from polyps to asthma  
Speaker: Claus Bachert  
University of Ghent, Belgium

12:30–13:30  Room 602  
Nasal polyposis consensus group Business meeting

13:30–14:30  Room A  
SPONSORED SEMINAR supported by MORITA MFG. CORP.  
Updated informations on endoscopic sinus surgery  
Moderator: Hiroshi Moriyama, Jikei University

Endoscopic sinus surgery for chronic rhinosinusitis  
-current concept and technique for safe and effective operation-  
Nobuyoshi Otori  
Department of Otorhinolaryngology, The Jikei University School of Medicine, Tokyo, Japan

Pre-lacrimal endoscopic approach to maxillary sinus: our experience  
Yeh Te-Huei  
Department of Otolaryngology, National Taiwan University Hospital

14:30–15:20  Room A  
SPECIAL LECTURE BY THE EXPERT  
Moderator: Tetsuo Himi, Dept of ORL, Sapporo Medical University

The mucosal immune system for new generation of prophylaxis and therapeutic nasal and oral vaccines  
Speaker: Hiroshi Kiyono  
Division of Mucosal Immunology, International Research and Development Center for Mucosal Vaccines, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan
15:20–15:30
Coffee break

15:30–18:00
Room A
SPONSORED EVENING SYMPOSIUM supported by PRAMS AND KYORIN PHARMACEUTICAL CO.
Airway mucus and innate immunity of upper and lower respiratory tract
Moderators: Joo-Heon Yoon, Dept of ORL, Yonsei University, Korea
Takeshi Shimizu, Dept of ORL, Shiga University

MARCKS protein as a therapeutic target for inflammatory airway disease: from bench to bedside
Kenneth Adler
Professor of Cell Biology, Department of Molecular Biomedical Sciences, North Carolina State University, Raleigh, NC

Functional characterization of a smoke-induced long non-coding RNA, SCAL, in protecting airway epithelial cell injury
Reen Wu
Center for Comparative Respiratory Biology and Medicine and Internal Medicine, University of California, Davis, CA 95616, USA

Roles of mucins in respiratory tract inflammation
Kwang Chul Kim
Professor and Director, Lung Mucus Research Program, Center for Inflammation, Translational and Clinical Lung Research Temple University School of Medicine, Philadelphia, Pennsylvania, USA

Sestrin2 acts as a negative regulator of inflammasome
Joo-Heon Yoon
Dept. of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, KOREA

Role of coagulation factors and eosinophils in the pathogenesis of mucus hypersecretion in eosinophil-associated chronic rhinosinusitis
Takeshi Shimizu
Department of Otorhinolaryngology, Shiga University of Medical Science, Otsu, Japan

18:00
Transportation by Bus to Matsue English Garden

18:30
GET TOGETHER PARTY
Italian Restaurant & café LAUT in Matsue English Garden

20:00–21:00
Special invitation for performance of world cultural heritage, “Sada Shinnoh noh play” at Sada Shrine

22:00
Closing of GET TOGETHER PARTY
October 6th, Sunday, 2013

8:00–9:00 Room A
MORNING SEMINAR

Moderator: Tamotsu Harada,  Dept of ORL, Kawasaki Medical University
1. Transitional tendencies of isolated bacteria from acute and chronic nasal sinusitis in otolaryngological field in Japan from first to fifth nationwide surveillances
   Speaker: Kenji Suzuki
   The Surveillance Committee of Japan Society for Infectious Diseases in Otolaryngology, Department of Otolaryngology-Head and Neck Surgery, The Second Hospital, Fujita Health University School of Medicine, Nagoya, Japan

Moderator: Toshio Yoshihara,  Dept of ORL, Tokyo Women’s Medical University
2. Pharmacodynamics of anti-inflammatory drugs -intranasal corticosteroids-
   Speaker: Nobuo Ohta
   Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

9:00–10:40 Room A
KEYNOTE LECTURE
Cutting edge of the research for olfactory function
Moderators:  Takaki Miwa,  Dept of ORL, Kanazawa Medical University
            Giulio C Passali,  Dept of ENT, Catholic University of the Sacred Hearth, Italy

What the nose knows?: molecular basis of olfaction from receptor to brain
   Kazushige Touhara,
   Department of Applied Biological Chemistry/JST ERATO Touhara Chemosensory Signal Project, The University of Tokyo, Tokyo, Japan

Olfactory nerve transportation as clinical application for olfactory disorders
   Takaki Miwa
   Department of Otorhinolaryngology, Kanazawa Medical University, Ishikawa, Japan

Personal experience in olfactory dysfunction in Parkinson disease
   Giulio Cesare Passali
   Department of Ent, Catholic University of the Sacred Hearth, Italy

Innate immune responses and neuroepithelial degeneration in the mouse olfactory mucosa induced by intranasal Poly(I:C)
   Kenji Kondo
   Department of Otorhinolaryngology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

10:40–10:50 Coffee break
### 10:50–12:30 Room A

**PANEL DISCUSSION 1**

**Management of inverted papilloma in sinonasal cavity and others**

**Moderators:** Satoshi Fukuda, Dept of ORL, Hokkaido University  
Stephan Vlaminck, Dept of ORL, AZ St-Johns Hospital, Belgium

- **TLR5-mediated innate immune response in human airway epithelia**
  Chang Hoon Kim  
  *Department of Otorhinolaryngology, The Airway Mucus Institute Research Center for Human Natural Defense*  
  *System Yonsei University College of Medicine, Seoul, Korea*

- **Is there a role for molecular markers in the diagnosis and treatment of Inverted papilloma?**
  Mario Rigante  
  *Department of Otolaryngology Head and Neck Surgery, Catholic University of Sacred Heart – PoliClinico “A. Gemelli”* - Rome - Italy

- **Surgery of sinonasal inverted papillomas**
  Eun Chang Choi  
  *Department of Otorhinolaryngology, Yonsei University, Seoul, Korea*

- **Significant correlation between human papillomavirus integration and malignant transformation of inverted papilloma**
  Mikio Suzuki  
  *Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa 903-0215, Japan*

- **Preoperative magnetic resonance imagings for sinonasal inverted papilloma**
  Yuji Nakamaru  
  *Department otolaryngology Head and Neck Surgery, Hokkaido University School of Medicine*

### 10:50–12:30 Room B

**NPCG WORKSHOP V**

**Macrolides and management of pediatric rhinosinusitis**

**Moderators:** Yukiko Iino, Dept of ORL, Jichi medical University  
Phillipe Gevaert, Dept of ORL, University of Ghent, Belgium

- **Clinical efficacy of macrolide series of antibiotics for the treatment of patients with chronic rhinosinusitis**
  Andrey Lopatin, Anastasia Varvyanskaya  
  *ENT Department of Sechenov First Moscow State Medical University, Moscow, Russia*

- **Macrolides in chronic rhinosinusitis -future aspect-**
  Syoji Matsune  
  *Nippon Medical School, Department of Otolaryngology, Head and Neck Surgery Tokyo, Japan*

- **Outcome of sinus surgery in children**
  Emmanuel Prokopakis  
  *Department of Otorhinolaryngology, University of Crete, Crete, Greece*
Management of paediatric rhinosinusitis
Peter Hellings
Adjunct Clinic Head, Department of Otorhinolaryngology, Laboratory of Experimental Immunology, University Hospitals Leuven

Rhinosinusitis with prolonged cough in children
Sawako Masuda
Department of Otorhinolaryngology, National Mie Hospital, Mie, Japan

12:30–13:30 EXHIBITION HALL
LUNCHEON SEMINAR
Mycotic infection in sinonasal cavity and its sequelae
Moderator: Katsuhisa Ikeda, Dept of ORL, Juntendo University

Surgical management of Fungal Sinusitis in Japan
Speaker: Shin-ichi Haruna, Dept of ORL, Dokkyo Medial University

Clinicopathological features of invasive aspergillosis in paranasal sinuses
Speaker: Noriaki Aoi, Dept of ORL, Shimane University

13:30–15:00 Room A
Free oral presentations OP-1–OP-6
Moderators: Mikio Suzuki, Dept of ORL, University of the Ryukyus
Shin-ichi Haruna, Dept of ORL, Dokkyo University

OP-1 Presence of human papillomavirus and immunohistochemical expression of cell cycle proteins p16(INK4A), pRb and p53 in sinonasal diseases
Zeyi Deng1,2, Masahiro Hasegawa1, Mikio Suzuki1
1 Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa, Japan
2 Department of Otorhinolaryngology, Head and Neck Surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China

OP-2 Clinical features of chronic rhinosinusitis in IgG4-related disease
Dai Takagi, Yuji Nakamaru, Satoshi Fukuda
Department of Otolaryngology-Head and Neck Surgery, Hokkaido University Graduate School of Medicine

OP-3 Whole transcriptome using next-generation sequencer (RNA-seq) identifies genes associated with eosinophilic chronic rhinosinusitis
Takahiro Tokunaga1, Takahiro Ninomiya1, Yoshimasa Imoto1, Masafumi Sakashita1, Tetsuji Takabayashi1, Emiko Noguchi2, Tadao Arinami2, Shigeharu Fujieda1
1 Department of Otorhinolaryngology - Head & Neck Surgery, University of Fukui
2 Department of Medical Genetics, University of Tsukuba
The binding of plasminogen activator-1 and tissue plasminogen activator promotes less fibrosis and excessive fibrin deposition in nasal polyp tissue
Tetsuji Takabayashi1,3, Atsushi Kato1, Anju T. Peters1, Kathryn E. Hulse1, Lydia A. Suh1, Roderick Carter1, James Norton1, Leslie C. Grammer1, Seong H. Cho1, Bruce K. Tan3, Rakesh K. Chandra3, David B. Conley2, Robert C. Kern2, Shigeharu Fujieda3, Robert P. Schleimer1,2
1 The Division of Allergy and Immunology, Department of Medicine, Northwestern University Feinberg School of Medicine
2 The Department of Otolaryngology, Northwestern University Feinberg School of Medicine
3 The Division of Otorhinolaryngology Head and Neck Surgery, Department of Sensory and Locomotor Medicine, University of Fukui

Modified transnasal endoscopic medial maxillectomy for inverted papilloma
Motohiko Suzuki, Yoshihisa Nakamura, Shingo Murakami
Department of Otorhinolaryngology, Nagoya City University, Nagoya, Japan

Endoscopic endonasal repair of skull base defect: a report of 3 rare cases
Minqiang Xie, Zeyi Deng, Jinyu Wang
Department of Otorhinolaryngology, Head and Neck surgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China

13:30–15:00
Free oral presentations  OP-7–OP-12
Moderators:  Katsuhiro Hirakawa, Dept of ORL, Hiroshima University
Keisuke Masuyama, Dept of ORL, Yamanashi University

Expression of chemokine receptor CCR3 and its role in nasal polyps
H Saito1, K Honda1, J Ueki2, K Ishikawa1
1 Department of Otorhinolaryngology-Head and Neck Surgery Akita University School of Medicine
2 Department of Infection, Allergy, Clinical Immunology and Laboratory Akita University School of Medicine

Dexamethasone and salmeterol synergistically suppress poly(I:C)-induced CCL3 in nasal epithelium
Shota Tanaka1,2, Tomomitsu Hirota1, Kyosuke Hatsushika2, Kaori Tomita3, Shigeharu Fujieda3, Junichi Ishitoya4, Keisuke Masuyama2, Mayumi Tamari1
1 Laboratory for Respiratory Diseases, Center for Genomic Medicine, RIKEN, Kanagawa, Japan
2 Department of Otolaryngology–Head & Neck Surgery, University of Yamanashi, Faculty of Medicine, Yamanashi, Japan
3 Department of Otorhinolaryngology–Head & Neck Surgery, University of Fukui, Faculty of Medicine, Matsuoka, Fukui, Japan
4 Department of Otorhinolaryngology, Yokohama City University Medical Center, Yokohama, Kanagawa, Japan

Toll like receptor 4 plays an important role to enhance bacterial clearance from the nose in synergy with Triggering receptor expressed on myeloid cells (TREM)-1 expression on polymorphonuclear neutrophils
Takashi Hirano, Munehito Moriyama, Satoru Kodama, Toshiaki Kawano, Masashi Suzuki
Oita University, Faculty of Medicine, Department of Otolaryngology
**OP-10**  Formation of mucosal immunoglobulin E-positive lymphoid follicles in cases of chronic rhinosinusitis  
Yasushi Ota, Yoshihiro Ikemiyagi, Mitsuya Suzuki  
*Toho University Sakura Medical Center*

**OP-11**  IL-17RB-expressing memory CD4⁺ T cells promote eosinophilic inflammation in chronic rhinosinusitis with nasal polyps  
Tomohisa Iinuma, Yuji Oki and Yoshitaka Okamoto  
*Department of Otolaryngology, Head and Neck Surgery, Chiba University Graduate School of Medicine, Chiba, Japan*

**OP-12**  Clinical features of frontal sinus mucosa in eosinophilic rhinosinusitis  
K Kubota, S Takeno, T Taruya, A Sasaki, N Noda, K Hirakawa  
*Department of Otorhinolaryngology, Hiroshima University, School of Medicine, Hiroshima, Japan*

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**EXHIBITION HALL**

**Free Poster Presentation  PP-1–PP-19**

**PP-1**  Comprehensive analysis of various cytokines produced in response to stimulation with interleukin-17A in the primary-cultured nasal mucosa epithelial cells with allergic rhinitis  
Akihito Shiozawa, Masato Miwa, Katsuhisa Ikeda  
*Juntendo University Faculty of Medicine*

**PP-2**  Difference of postoperative findings between eosinophilic chronic rhinosinusitis and non eosinophilic chronic rhinosinusitis  
Y Ohki, T Inuma, Y Okamoto  
*Department of Otolaryngology, Head and Neck Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan*

**PP-3**  Overexpression of pendrin and periontin in varios nasal disorders  
A Ishida, N Ota, S Kakehata  
*Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine, Yamagata, Japan*

**PP-4**  Inhibition of TNF-induced neutrophil apoptosis by erythromycin  
Nobuo Ohta, Kazutoshi Inamura, Naoko Akatsuka, Masaru Aoyagi, Seiji Kakehata  
*Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine*

**PP-5**  Combined antihistamine and macrolide therapy for allergic sinusitis  
Yusuke Suzuki, Nobuo Ohta, Kazuya Kurakami, Takatoshi Furukawa, Kuniaki Chida, Seiji Kakehata  
*Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine*

**PP-6**  Efficacy of botulinum toxin type a in murine experimental allergic rhinitis  
K Aoishi, H Takahashi, N Hato, K Gyo  
*Department of Otorhinolaryngology, Ehime University Hospital*
PP-7 Chronic rhinosinusitis associated with hyper-IgE syndrome
T Furukawa, Y Takeda, H Asao, N Ohta, K Futai, S Kakehata
Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine, JAPAN

PP-8 Endoscopic surgical management of orbital abscess secondary to acute rhinosinusitis: a case report
Kuniaki Chida, Nobuo Ota, Takatoshi Furukawai, Tomoo Watanabe, Kazunori Futai, Seiji Kakehata
Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-9 MRI findings of olfactory bulbs in patients with congenital anosmia
Takao Ogawa, Mayu Ono, Tomohisa Kato, Takeshi Shimizu
Shiga University of Medical Science

PP-10 Outcomes of olfactory function by endoscopic sinus surgery in the patients with eosinophilic chronic sinusitis
Yamada Kentaro, J Yamamoto, Kanako Yamada, H Shiga, T Miwa
Department of otolaryngology, Kanazawa Medical University

PP-11 Efficacy of endoscopic sinus surgery-based on multidisciplinary treatment for chronic rhinosinusitis with asthma
Nobuo Ohta, Yusuke Suzuki, Kazuya Kurakami, Takatoshi Furukawa, Kuniaki Chida, Seiji Kakehata
Department of Otorhinolaryngology and Head/Neck Surgery, Yamagata University School of Medicine

PP-12 Maxillary sinus disease caused by dental implants-radiological findings and treatments-
Nozomi Nomi, Satoru Kodama, Masashi Suzuki
Department of Otolaryngology, Oita University, Yufu, Japan

PP-13 A case that had a diagnosis of Relapsing Polychondritis by Biopsy of Thyroid Cartilage
Daisuke Sasaki, Junichi Yokoyama, Shinichi Ooba, Mitsuhisa Fujimaki, Masataka Kojima, Katshusa Ikeda
Juntendo University Faculty of Medicine

PP-14 Clinical study of the association with asthma and eosinophils in chronic sinusitis surgery patients
Yukiyoshi Hyo, Shin-ichi Hamamoto, Tomoya Fujisaki, Hisaki Fukushima, Tamotsu Harada
Department of Otolaryngology, Kawasaki Medical School, Kurashiki, Japan

PP-15 Clinical features in sinonasal inverted papilloma with or without human papilloma virus infection
Takayuki Uehara¹, Yukashi Yamashita¹, Zeyi Deng¹,², Sen Matayoshi¹, Masahiro Hasegawa¹, Hiroyuki Maeda¹, Mikio Suzuki¹
¹ Department of Otorhinolaryngology, Head and Neck Surgery, Graduate School of Medicine, University of the Ryukyus, Okinawa, Japan
² Department of Otorhinolaryngology, Head and Neck Surgery, Zhuijiang Hospital, Southern Medical University, Guangzhou, China
PP-16 A surgical staging system based on the site of origin for sinonasal inverted papilloma
Tsuguhisa Nakayama1,2, Toshiharu Tsukidate2, Jiro limura2, Aya Mori1,2, Akihito Kuboki1,2, Shin-ichi Haruna2
1 Department of Otorhinolaryngology-Head and Neck Surgery, Dokkyo Medical University, Tochigi, Japan
2 Department of Otorhinolaryngology, Jikei University School of Medicine, Tokyo, Japan

PP-17 Clinicopathological features of patients with inverted papilloma in nasal cavity and paranasal sinuses
Ichiro Morikura, Noriaki Aoi, Yasuhiko Shimizu, Kanako Shimizu, Takafumi Fuchiwaki, Yukie Tamura, Hideyuki Kawauchi
Dept. of Otorhinolaryngology, Shimane University , Faculty of Medicine, Izumo City, Shimane, Japan

PP-18 Surgical management of inverted papilloma extending to frontal sinus
Nobuo Ota, Yusuke Suzuki, Kazuya Kurakami, Akihiro Ishidai, Kuniaki Chida, Takatoshi Furukawa, Seiji Kakehata
Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, Yamagata University, Yamagata, 990-9585 Japan

PP-19 Hematoma-like mass of the maxillary sinus
T Kawano1, M Yagisawa2, Y Sakuma2, M Matsuura1, N Oridate2, J Ishitoya2
1 Department of otorhinolaryngology, Nishi-Yokohama International Hospital, Yokohama, Japan
2 Department of otorhinolaryngology, Yokohama City University Medical Center, Yokohama, Japan
3 Department of otorhinolaryngology, Yokohama City University Graduate School of Medicine,Yokohama, Japan

Poster Presentions accepted for evaluation are exhibited at the exhibition room at the first floor. Those papers are open for discussion personally during the congress period of time.

15:10–16:40 Room A
Post-conference research meeting organized by NPCC group
Round Table Discussion - What are the short term and long term goal for basic and clinical research on Rhinosinusitis ? -
Chairpersons: Desiderio Passali, Ranko Mladina
Introductory presentations: Andery Lopatin, Mitsuhiro Okano, Luisa Bellussi, Jun-ichi Ishitoya

Part 1:
    Moderators: Hideyuki Kawauchi, Syoji Matsune

Part 2:
    Moderators: Desiderio Passali, Dmytro Zabolotnyi

16:40 Room A
Closing Remarks
Hideyuki Kawauchi