9th International Symposium on Recent Advances in

Otitis Media

June 3 - 7, 2007
Tradewinds Resort & Conference Center
St. Pete Beach, Florida USA

Symposium Director: David J. Lim, MD
House Ear Institute
Los Angeles, California USA

Symposium Co-Directors: Charles D. Bluestone, MD
Children’s Hospital of Pittsburgh
Pittsburgh, Pennsylvania USA

Margaretha L. Casselbrant, MD, PhD
Children’s Hospital of Pittsburgh
Pittsburgh, Pennsylvania USA

Jointly Sponsored by:
House Ear Institute
Children’s Hospital of Pittsburgh
Department of Pediatric Otolaryngology
University of Pittsburgh School of Medicine
Center for Continuing Education in the Health Sciences
and Department of Otolaryngology
International Symposium on Otitis Media, Inc.
Deafness Research Foundation
Continuing Education Credit

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Pittsburgh School of Medicine and The House Ear Institute, Children’s Hospital of Pittsburgh Department of Pediatric Otolaryngology, the International Symposium on Otitis Media, Inc. and The Deafness Research Foundation.

The University of Pittsburgh School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

"*The University of Pittsburgh School of Medicine designates this educational activity for a maximum of 36.0 AMA PRA Category 1 Credits*. Each physician should only claim credit commensurate with the extent of their participation in the activity.

"*Other healthcare professionals are awarded 3.6 continuing education units (CEU's) which are equal to 36.0 contact hours.

Assessing Course Credits

You will receive a Credit Designation Sheet inside your registration package. Upon your departure from the course, complete and turn in your Credit Designation Sheet after indicating the number of hours you spent in the educational activities (the breaks and dinner are not accredited.) The hours you claim will be entered on to a personalized credit transcript. In order to gain your personalized credit transcript, you must visit the secured website http://cehs.upmc.edu and follow the Credit Transcript instructions to gain and print your transcript. The transcript acts as a valid documentation (in place of a certificate) of your attendance and completion of this accredited course.
The House Ear Institute

A non-profit 501(c)(3) organization dedicated to advancing hearing science through research and education to improve quality of life, the House Ear Institute has been engaged in the scientific exploration of the auditory system from the ear canal to the cortex of the brain for sixty years. The Institute achieved its distinction in hearing science through a combination of applied otologic research, clinical services and education programs. Our ground-breaking contributions to the field of otology include the development of the first FDA-approved cochlear implant system, the origination of an international system for assessing facial nerve function and development of testing methods to determine the hearing status of infants, among others. Today, the Institute has a wide-ranging research program with particular concentrations in cell and molecular biology, development of devices to assist in hearing, and children's hearing.

The vision of the House Ear Institute is to be the leading research center for the study of hearing, hearing loss and related otologic disorders; our values are to treat each other with respect, demonstrate integrity, and do our jobs well.

The University of Pittsburgh

The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, the University prohibits and will not engage in discrimination or harassment on the basis of color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, disability, or status as a disabled veteran or a veteran of the Vietnam era. Further the University will continue to take affirmative steps to support and advance these values consistent with the University's mission. This policy applies to admissions, employment, access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations.
Faculty
Symposium Director
David J. Lim, MD

Executive Vice President of Research
House Ear Institute
Los Angeles, CA, USA

Adjunct Professor
Department of Cell and Neurobiology
Keck School of Medicine
University of Southern California
Los Angeles, CA, USA

Symposium Co-Directors

Charles D. Bluestone, MD
Professor of Otolaryngology
University of Pittsburgh School of Medicine
Former Director, Department of Pediatric Otolaryngology
Children’s Hospital of Pittsburgh
Pittsburgh, PA, USA

Margaretha L. Casselbrant, MD, PhD
Eberly Professor of Pediatric Otolaryngology
University of Pittsburgh School of Medicine
Director, Department of Pediatric Otolaryngology
Children’s Hospital of Pittsburgh
Pittsburgh, PA, USA

Organizing Committee

Lauren O. Bakaletz, PhD
Professor of Pediatrics
Department of Pediatrics
College of Medicine and Public Health
The Ohio State University
College of Medicine
Columbus, OH, USA

Jian-Dong Li, MD
Professor, University of Rochester
Department of Microbiology & Immunology
Rochester, NY, USA

Jerome O. Klein, MD
Professor of Pediatrics
Boston University School of Medicine
Department of Pediatrics
Boston Medical Center
Boston, MA, USA

Pearay Ogra, MD
Professor Emeritus
Department of Pediatrics,
University of Texas Medical Branch at Galveston
Galveston, Texas, USA

Professor of Pediatrics,
State University of New York at Buffalo
Buffalo, NY, USA

Faculty Disclosure
In accordance with Accreditation Council for Continuing Medical Education requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the Symposium.
Program Committee

Program Chair

Richard M. Rosenfeld, MD, MPH
Chairman of Otolaryngology
Long Island College Hospital
Brooklyn, NY, USA
Professor of Otolaryngology
SUNY Downstate Medical Center
Brooklyn, NY, USA

Committee Members

Cuneyt M. Alper, MD
University of Pittsburgh School of Medicine
Pittsburgh, PA, USA

Lauren O. Bakaletz, PhD
The Ohio State University
College of Medicine
Columbus, OH, USA

Stephen J. Barenkamp, MD
St. Louis University School of Medicine
St. Louis, MO, USA

Tasnee Chonmaitree, MD
University of Texas Medical Branch
Galveston, TX, USA

Kathleen A. Daly, PhD
University of Minnesota
Minneapolis, MN, USA

Joseph E. Kerschner, MD
Children’s Hospital of Wisconsin
Milwaukee, WI, USA

Jian-Dong Li, MD, PhD
University of Rochester
Rochester, NY, USA

Stephen I. Pelton, MD
Boston Medical Center
Boston, MA, USA

Allen C. Ryan, PhD
University of California at San Diego
La Jolla, CA, USA
International Advisors

Ali Andalibi, PhD
Joel M. Bernstein, MD, PhD
John P. Birchall, MD
Steve D.M. Brown, PhD
Craig Buchman, MD
Per Caye Thomasen, MD
Kenny Chan, MD
Alberto Chinski, MD
Richard A. Chole, MD, PhD
Harvey Coates, MS, FRACS
James M. Coticchia, MD
Allan W. Cripps, MD
Ron Dagan, MD
Howard Faden, MD
Marcos V. Goycoolea, MD, PhD
Judith Gravel, PhD
Xin-Xing Gu, MD
Mark P. Haggard, PhD
Yasuaki Harabuchi, MD
Sten O. M. Hellström MD, PhD
Ann Hermansson, MD, PhD
Burkhard Hussl, MD
Yukiko Iino, MD
Steven K. Juhn, MD
Timothy T.K. Jung, MD, PhD
Pekka H. Karma, MD
Hideyuki Kawauchi, MD
Chong-Sun Kim, MD
Toshimitsu Kobayashi, MD
Yuichi Kurono, MD
Kari Jorunn Kvaerner, MD, PhD
Janelle Kyd, PhD
Alberto Leiberman, MD
Paola Marchisio, MD
A. Richard Maw, MS, FRCS
Timothy F. Murphy, MD
Yoshitaka Okamoto, MD
Michael M. Paparella, MD
Keehyun Park, MD
Desiderio Passali, MD, PhD
Anne Pitkaranta, MD, PhD
J. Christopher Post, MD, PhD
Karín Prellner, MD, PhD
Juhani Pukander, MD
Joanne Roberts, PhD
Maroeska Rovers, PhD
Robert J. Ruben, MD
Olli Ruuskanen, MD
Anne G. M. Schilder, MD, PhD
Tania M. Sih, MD, PhD
Joseph W. St. Geme, III, MD
Masashi Suzuki, MD
Haruo Takahashi, MD
Jens Thomsen, MD, DMSc
Mirko Tos, MD, PhD
Dennis R. Trune, PhD
Noboru Yamanaka, MD
Hans Peter Zener, MD, PhD
Jing-Ren Zhang, PhD
Qing Yin Zheng, MD
Gerhard A. Zielhuis, MD
Alcon Laboratories, Inc.
6201 South Freeway
Fort Worth, TX 76134
Tel: 800-451-EYES
Fax: 800-777-2799
www.alconlabs.com

Please visit the Alcon booth to learn more about CIPRODEX® Otic Suspension, the first combo therapy indicated for AOM with Tubes and AOE. CIPRODEX® Suspension combines ciprofloxacin with dexamethasone and is the #1 prescribed topical otic drop among otolaryngologists and pediatricians.

Cochlear Americas
400 Inverness Parkway
Suite 400
Englewood, CO 80112
Tel: 800-523-5798
www.cochlearamericas.com

Cochlear, the world leader in innovative hearing technologies, offers two different solutions designed specifically for those who require more than just a hearing aid, cochlear implants and Baha. The Baha system can treat conductive and mixed hearing losses as well as single sided deafness, using an osseointegrated implant.

Ellman International
3333 Royal Avenue
Oceanside, NY 11572
Tel: 800-835-5355
Fax: 516-569-0054
www.ellman.com

Ellman International, a worldwide leader and manufacturer of high frequency radiosurgical equipment, presents the Surgitron IEC Dual Frequency. This device utilizes 4.0 MHz for cut, blend, and coag. Bipolar utilizes 1.7 MHz. It provides pressureless incisions with minimal tissue alteration, superior biopsy specimens and excellent cosmetic results. Please visit our booth for a demonstration on how radiosurgery can benefit your practice.

Medtronic ENT
6743 Southpoint Drive North
Jacksonville, FL 32216
Tel: 904-296-9600
Fax: 904-281-0966
jared.kraeling@medtronic.com
www.medtronicent.com

Medtronic ENT is a leading developer, manufacturer and marketer of surgical products for use by ENT specialists. Medtronic ENT markets over 5,000 surgical products worldwide addressing the major ENT subspecialties—Sinus, Rhinology, Laryngology, Otology, Pediatric ENT, and Image Guided Surgery.
We gratefully acknowledge the Sponsorships of the following Companies and Foundation:

**PLATINUM LEVEL**

- Abbott Laboratories
- GlaxoSmithKline
- Alcon Laboratories, Inc.

**GOLD LEVEL**

- Daiichi-Sankyo

**OTHER GRANT SUPPORT**

- Deafness Research Foundation
# NINTH INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN OTITIS MEDIA

## SCHEDULE AT A GLANCE

### SUNDAY, JUNE 3, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM -</td>
<td>Registration/Check In</td>
<td>Grand Palm</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td>Colonnade</td>
</tr>
<tr>
<td>3:00 PM -</td>
<td>Poster Set-up for Session 1</td>
<td>Indian/Bird</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 PM -</td>
<td>Exhibitor Set-up</td>
<td>Long</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 PM -</td>
<td>Welcoming Reception</td>
<td>Grand Palm</td>
</tr>
<tr>
<td>9:00 PM</td>
<td></td>
<td>Colonnade</td>
</tr>
</tbody>
</table>

### MONDAY, JUNE 4, 2007

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM -</td>
<td>Registration</td>
<td>Grand Palm</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td>Colonnade</td>
</tr>
<tr>
<td>7:00 AM -</td>
<td>Continental Breakfast/Viewing of Exhibits</td>
<td>Grand Palm</td>
</tr>
<tr>
<td>8:00 AM</td>
<td></td>
<td>Colonnade/Long</td>
</tr>
<tr>
<td>8:00 AM -</td>
<td>Welcome</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>8:30 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30 AM -</td>
<td>Special Welcome</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>8:45 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:45 AM -</td>
<td>Special Remark</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>9:00 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 AM -</td>
<td>Announcement of 2009 Extraordinary Otitis Media Symposium</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>9:10 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:10 AM -</td>
<td>Program Overview</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>9:25 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:30 AM</td>
<td>SPECIAL LECTURE 1</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td></td>
<td>Bacterial Genomics and the Pathogenesis of Haemophilus influenzae Otitis Media</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Richard Moxon</td>
<td></td>
</tr>
<tr>
<td></td>
<td>University of Oxford</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oxford, United Kingdom</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>10:00 AM -</td>
<td>Morning Break</td>
<td></td>
</tr>
</tbody>
</table>
| 10:30 AM     | SPECIAL LECTURE 2  
**Clinical Trials in Evaluating Antimicrobials in Acute Otitis Media**  
*John Powers*  
*NHI, Bethesda, MD* |
| 11:00 AM -   | Plenary Session                                                      |
| 12:30 PM     | PATHOGENESIS 1                                                       |
| 12:30 PM     | Box Lunch/Viewing of Posters                                         |
| 1:00 PM      | LUNCH-TIME SPECIAL  
**LEcTURE**  
**Topic: NIH Funding**  
*Auditory System Review of Otitis Media Grant Applications*  
*Edwin Clayton*  
*National Institutes of Health, Bethesda, MD*  
*Research Opportunities Update from NIDCD/NIH*  
*Bracie Watson*  
*NHI/NIDCD, Bethesda, MD* |
| 2:00 PM -    | Poster Viewing                                                       |
| 2:30 PM -    | Contributed Papers Oral Presentations  
**(Sessions A and B)** |
| 2:30 PM –    | SESSION A1  
**DIAGNOSIS** |
| 4:00 PM      | SESSION B1  
**MICROBIOLOGY/MOLECULAR BIOLOGY** |
| 4:00 PM      | Afternoon Break                                                      |
| 4:30 PM –    | Contributed Papers Oral Presentations  
**(Sessions A and B)** |
| 6:00 PM      | SESSION A2  
**EPIDEMIOLOGY/GENETICS 1** |
| 6:00 PM      | SESSION B2  
**PATHOGENESIS/TREATMENT 3** |
6:00 PM - 6:30 PM  
Poster Session 1  
Indian/Bird

6:30 PM - 7:15 PM  
Buffet Dinner  
Grand Palm Colonnade

7:15 PM - 9:00 PM  
GREAT DEBATE 1  
Current Status of "Observation Option" for AOM  
Tarpon

9:00 PM  
Adjournment

**TUESDAY, JUNE 5, 2007**

7:00 AM - 6:00 PM  
Registration  
Indian/Bird

7:00 AM - 8:00 AM  
Continental Breakfast/Viewing of Exhibits  
Indian/Bird

8:00 AM – 10:00 AM  
MINI SYMPOSIUM 1  
Molecular Pathogenesis of OM  
Organizers: Allen Ryan and Jian-Dong Li  
Tarpon/Sawyer

10:00 AM – 10:30 AM  
Morning Break

10:30 AM  
SPECIAL LECTURE 3  
Computer Modeling in Otitis Media  
Samir Ghadiali  
Lehigh University, Bethlehem, PA  
Tarpon/Sawyer

11:00 AM - 12:30 PM  
Plenary Session

11:00 AM – 12:30 PM  
TREATMENT 1  
Tarpon/Sawyer

12:30 PM - 1:00 PM  
Box Lunch/Viewing of Posters  
Indian/Bird

1:00 PM  
LUNCH-TIME SPECIAL LECTURE  
History of Serous Otitis Media  
Robert Ruben  
Albert Einstein College of Medicine, New York, NY  
Tarpon/Sawyer

2:00 PM - 2:30 PM  
Poster Viewing  
Indian/Bird

2:30 PM – 4:00 PM  
Contributed Papers Oral Presentations (Sessions A and B)

**SESSION A1**  
2:30 PM – 4:00 PM  
EPIDEMIOLOGY/GENETICS 2  
Tarpon
SESSION B1
2:30 PM - PATHOGENESIS 2
4:00 PM
4:00 PM - Break
4:30 PM
SESSION A2
4:30 PM - TREATMENT 2
6:00 PM
SESSION B2
4:30 PM – 6:00 PM
BIOCHEMISTRY/IMMUNOLOGY
6:00 PM – 6:30 PM
Poster Viewing and Refreshments
6:30 PM - Buffet Dinner
7:15 PM
7:15 PM GREAT DEBATE 2
Which Child Benefits Most From Tympanostomy Tubes?
9:00 PM Adjournment

WEDNESDAY, JUNE 6, 2007
7:00 AM - Registration
6:00 PM
7:00 AM - Continental Breakfast/Viewing of Exhibits
8:00 AM
8:00 AM - MINI SYMPOSIUM 2
New Concepts in OM Vaccines
Organizers: Stephen Pelton,
Stephen Barenkamp
10:00 AM
10:00 AM Break
10:30 AM SPECIAL LECTURE 4
The Role of Viruses in Otitis Media
Terho Heikkinen
Turku University Hospital, Turku, Finland
11:00 AM - Plenary Session
12:30 PM
11:00 AM - VACCINE
12:30 PM - Box Lunch/Viewing of Posters
1:00 AM - LUNCH-TIME SPECIAL
PRESENTATION
Topic: Animal Models for OM
An Animal Model for the Study of Otitis Media
Stephen I. Wasserman
UC San Diego, La Jolla, CA

Elucidating Genetic Pathways for Chronic Otitis Media – the Utility of Mouse Genetic Models
Steve Brown
Medical Research Council,
Harwell, Oxfordshire, United Kingdom

2:00 PM – 2:30 PM
Poster Viewing
Indian/Bird

2:30 PM – 4:00 PM
Contributed Papers Oral Presentations (Sessions A and B)

SESSION A1
2:30 PM – 4:00 PM
ANIMAL MODELS
Tarpon

SESSION B1
2:30 PM – 4:00 PM
TREATMENT 3
Sawyer

4:00 PM – 4:30 PM
Afternoon Break
Indian/Bird

SESSION A2
4:30 PM – 6:00 PM
SEQUELAE/COMPLICATIONS
Tarpon

SESSION B2
4:30 PM – 6:00 PM
PATHOGENESIS 4
Sawyer

6:30 PM – 7:15 PM
Poster Session 2 and Refreshments/Reception
Grand Palm/Colonnade

7:30 PM – 10:00 PM
Banquet Dinner
Long/Bird/Indian

THURSDAY, JUNE 7, 2007

7:00 AM – 6:00 PM
Registration
Grand Palm/Colonnade

7:00 AM – 8:00 PM
Continental Breakfast
Indian/Bird

8:00 AM – 10:00 AM
MINI SYMPOSIUM 3
Relevance of Biofilms in Managing and Preventing OM
Organizers: Garth Ehrlich and Joseph Kerschner
Tarpon/Sawyer

10:00 AM – 10:30 AM
Morning Break
Indian/Bird
10:30 AM – 12:00 PM  
**Plenary Session**

10:30 AM - 12:00 PM  
IMMUNOLOGY/VACCINE  
Tarpon/Sawyer

12:00 PM  
Closing Remarks & Adjournment
### Detailed Schedule

**Sunday, June 3, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM</td>
<td>Registration/Check In</td>
<td>Grand Palm Colonnade</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Poster Set-up for Session 1</td>
<td>Indian/Bird</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Exhibitor Set-up</td>
<td>Long</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Welcoming Reception</td>
<td>Grand Palm Colonnade</td>
</tr>
<tr>
<td>9:00 PM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Monday, June 4, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration</td>
<td>Grand Palm Colonnade</td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00 AM</td>
<td>Continental Breakfast/Viewing of Exhibits</td>
<td>Grand Palm Colonnade/Long</td>
</tr>
<tr>
<td>8:00 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Welcome</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Special Welcome</td>
<td></td>
</tr>
<tr>
<td></td>
<td>David J. Lim, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Charles D. Bluestone, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Margaretha L. Casselbrant, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Special Welcome</td>
<td></td>
</tr>
<tr>
<td>8:45 AM</td>
<td>Special Remark</td>
<td></td>
</tr>
<tr>
<td></td>
<td>James F. Battey, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director, NIDCD/National Institutes of Health, Bethesda, MD</td>
<td></td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Announcement of 2009 Extraordinary Otitis Media Symposium</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>9:10 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:10 AM</td>
<td>Program Overview</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>9:25 AM</td>
<td>Richard M. Rosenfeld, MD, MPH, Chair, Program Committee</td>
<td></td>
</tr>
<tr>
<td>9:30 AM</td>
<td>SPECIAL LECTURE 1</td>
<td>Tarpon/Sawyer</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Introduction: Lauren Bakaletz</td>
<td></td>
</tr>
<tr>
<td>SL01</td>
<td>Bacterial Genomics and the Pathogenesis of Haemophilus influenzae Otitis Media</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Richard Moxon</td>
<td></td>
</tr>
<tr>
<td></td>
<td><a href="mailto:richard.moxon@paediatrics.ox.ac.uk">richard.moxon@paediatrics.ox.ac.uk</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>University of Oxford, Oxford, United Kingdom</td>
<td></td>
</tr>
</tbody>
</table>
10:00 AM - Morning Break
10:30 AM - SPECIAL LECTURE 2 Tarpon/Sawyer
11:00 AM - Introduction: Jerome Klein

SL02 Clinical Trials in Evaluating Antimicrobials in Acute Otitis Media
John Powers
powersjohn@mail.nih.gov
NIH, Bethesda, MD

11:00 AM – 12:30 PM Plenary Session

11:00 AM – PATHOGENESIS 1 Tarpon/Sawyer
12:30 PM Moderators: Charles D. Bluestone, Mirko Tos, Keehyun Park

11:00 AM Impact of Evolution on Eustachian Tube Function
Charles D. Bluestone
bluecd@chp.edu
Children's Hospital of Pittsburgh, Pittsburgh, PA

11:20 AM Discussion

11:30 AM Tymanometric Findings in Young Children During Upper Respiratory Tract Infection with and without Acute Otitis Media
Krystal Revai kfrevai@utmb.edu
Janak Patel, James Grady, Tasnee Chonmaitree
University of Texas Medical Branch, Galveston, TX

11:40 AM Experimental Evidence That the Composition of the Nasopharyngeal Bacterial Flora Affects the Incidence of Otitis Media
Jennelle Kyd j.kyd@cqu.edu.au
Ajay Krishnamurthy, John McGrath, Allan W. Cripps
Central Queensland University, Rockhampton, Qld, Australia

11:50 AM Discussion

12:00 PM Streptococcus pneumoniae Desialylates and Degrades the Antimicrobial Peptide SPLUNC-1 as a Potential Mechanism for Immune Evasion
Glen McGillivary mcgillig@ccri.net
Samantha J. King, Robert S. Munson Jr., Lauren Bakaletz
Columbus Children’s Research Institute and The Ohio State University College of Medicine, Columbus, OH
Critical Role of LPS Sialylation in Pathogenesis of Experimental Otitis Media

Marisol Figueira maf6559@bu.edu
Sanjay Ram, Richard Goldstein, E. Richard Moxon, Derek W. Hood, Stephen I. Pelton
Boston University Medical Center, Boston, MA

Discussion

Box Lunch/Viewing of Posters

LUNCH-TIME SPECIAL

LECTURE

NIH Funding
Moderator: Margaretha Casselbrant

Auditory System Review of Otitis Media Grant Applications

Edwin Clayton claytone@csr.nih.gov
National Institutes of Health, Bethesda, MD

Research Opportunities Update from NIDCD/NIH
Bracie Watson watsonb@nidcd.nih.gov
NIH/NIDCD, Bethesda, MD

Poster Viewing

Contributed Papers Oral Presentations (Sessions A and B)

SESSION A1

DIAGNOSIS
Moderators: Margaretha Casselbrant, Alberto Chinski, Paola Marchisio

Prevalence of Otitis Media in Young Children During the Respiratory Season
Ellen Mandel Ellen.Mandel@chp.edu
Cuneyt M. Alper, Ellen A. Reynolds, Birgit Winther, William J. Doyle
Children’s Hospital of Pittsburgh, Pittsburgh, PA
2:40 PM
A02
Diagnostic Practice and Formal Medical Education in Acute Otitis Media: An Italian Survey
Paola Marchisio
paola.marchisio@unimi.it
Eugenio Mira, Elena Baggi, Fabio Pagella, Monica Ragazzi, Nicola Principi
University of Milan, Fondazione IRCCS Ospedale Maggiore Policlinico, Mangiagalli E. Regina Elena, Milan, Italy

2:50 PM
A03
Visualization of Bacterial Cells and Glycocalyx in Biofilms
Romain Kania
romain.kania@lrb.aphp.fr
Gerda Lamers, Marcel Vonk, Patrice Tran Ba Huy, Pieter Hiemstra, Guido Bloemberg, Jan Grote
Lariboisière Hospital, Paris VII University, CNRS 7060, Paris, France

3:00 PM
Discussion

3:15 PM
A04
Prediction of Upper Respiratory Tract Bacteria in Acute Otitis Media
Margaretha Foglé-Hansson
margaretha.fogle-hansson@vgregion.se
Peter White, Ann Hermansson
ENT-Department, University of Lund, S-541 85 Skovde, Sweden

3:25 PM
A05
Otolological Signs Changes and Treatment Effectiveness in AOM
Youval Slovic
albertoleib@gmail.com
Alberto Leiberman, Simon Raiz, Marc Puterman, Ron Dagan, Eugene Leibovitz
Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Israel

3:35 PM
A06
Comparison of Extended High Frequency DPAOE's and Behavioral Thresholds in Children with and without Histories of Significant Otitis Media
Diane Sabo diane.sabo@chp.edu
Margaretha L. Casselbrant, Ellen Mandel, Marie-Lys Cattanach
Children’s Hospital of Pittsburgh, Pittsburgh, PA

3:45 PM
Discussion

SESSION B1
2:30 PM - MICROBIOLOGY/MOLECULAR Sawyer
2:30 PM  B01  Rate of Acute Otitis Media (AOM) Following Upper Respiratory Tract Infection (URI) by Type of Associated Viruses  Tasnee Chonmaitree  tchonmai@utmb.edu  Krystal Revai, Sangeeta Nair, Janak Patel, Kelly Henrickson  University of Texas Medical Branch, Galveston, TX

2:40 PM  B02  Genome-Wide Search for Otitis Media-Associated Pneumococcal Genes  Huaiqing Chen  chenj@mail.amc.edu  Yueyun Ma, Jun Yang, Scott Lee, Jing-Ren Zhang  Albany Medical College  Albany, NY

2:50 PM  B03  Classification of PspA Families of Streptococcus pneumoniae Isolated From Children with Acute Otitis Media  Masanobu Kono  mhotomi@wakayama-med.ac.jp  Muneki Hotomi, Susan Hollingshead, David Briles, Noboru Yamanaka  Wakayama Medical University, Wakayama, Japan

3:00 PM  Discussion

3:15 PM  B04  Continuing Shifts in the Pathogens Causing Acute Otitis Media in 2003-2006  Michael Pichichero  michael_pichichero@urmc.rochester.edu  Janet Casey, Alejandro Hoberman, Richard Schwartz  University of Rochester School of Medicine, Rochester, NY

3:25 PM  B05  Genetic Characteristics and Clonal Dissemination of β-Lactamase Non-Producing Ampicillin Resistant (BLNAR) Haemophilus influenzae Isolated from Acute Otitis Media  Jun Arai  mhotomi@wakayama-med.ac.jp  Muneki Hotomi, Dewan Billal, Masashi Ogami, Kazuma Yamauchi, Masaki Suzumoto, Shinji Tamura, Keiji Fujihara, Noboru Yamanaka  Wakayama Medical University, Wakayama, Japan
3:35 PM  Alloiococcus Otitidis and Biofilm in Otitis Media
B06

Ruth Thornton
rthornton@meddent.uwa.edu.au
Shyan Vijayasekaran, Karen Prosser, Anthony Keil, David Stroman, Selma Wiertsema, Paul Rigby, Harvey Coates, Peter Richmond
University of Western Australia, Subiaco, Australia

3:45 PM  Discussion

4:00 PM - 4:30 PM  Afternoon Break  Indian/Bird

4:30 PM - 6:00 PM  Contributed Papers Oral Presentations (Sessions A and B)

SESSION A2

4:30 PM - 6:00 PM  EPIDEMIOLOGY/GENETICS 1  Tarpon

Moderators: Kathleen Daly, Kari Kvaerner, Christopher Post

4:30 PM  A07  Otitis Media and Overweight in Toddlers
Heather Nelson
nels1226@umn.edu
Kathleen Daly, Cynthia Davey, Linda M. Bartoshuk
University of Minnesota, Minneapolis, MN

4:40 PM  A08  Pediatric Otitis Media Surgery and Infectious Liability in School Children
Gunnhild Karevold
g.karevold@medisin.uio.no
Yngvild Bentdal, Per Nafstad, Kari J. Kvaerner
University of Oslo, Oslo, Norway

5:00 PM  A09  A Community Based Questionnaire Study on the Association Between Symptoms Suggestive of Otitis Media with Effusion, Rhinitis and Asthma in Primary School Children.
Dolores Umapathy
dolores.umapathy@bolton.nhs.uk
Roshini Alles, Glenis Scadding
Bolton Primary Care NHS Trust, Bolton, Greater Manchester, United Kingdom

5:00 PM  Discussion
Risk Factors, Treatments, and Other Conditions Associated with Frequent Ear Infections in U.S. Children Through 2 Years of Age: the Early Childhood Longitudinal Study-Birth Cohort (ECLS-B)

Howard J. Hoffman
hoffmanh@nidcd.nih.gov
Jennifer Park, Katalin G. Losonczy, May S. Chiu
NIDCD, NIH, Bethesda, MD

Otitis-Prone Children: Does the Infectious Liability Persist?

Yngvild Bentdal
y.e.bentdal@medisin.uio.no
Gunnhild Karevold, Per Nafstad, Kari J. Kvaerner
Akershus University Hospital, University of Oslo, Norway, 1478 Lørenskog, Oslo/Akershus, Norway

Otitis Media in Children: A Third World Experience

Olubunmi Akinpelu
olubunmilola@yahoo.co.uk
Obafemi Awolowo University, Ile-Ife, Osun, Nigeria

Otitis-Prone Children: Does the Infectious Liability Persist?

Yngvild Bentdal
y.e.bentdal@medisin.uio.no
Gunnhild Karevold, Per Nafstad, Kari J. Kvaerner
Akershus University Hospital, University of Oslo, Norway, 1478 Lørenskog, Oslo/Akershus, Norway

Synergy of Id1 and NF-KB in the Proliferation and Migration of Cholesteatoma Keratinocytes

Jizhen Lin linxx004@umn.edu
Yuki Hamajima, Quan-An Zhang, Ling Feng, Masahiro Komori, Shinji Fukudome, Diago Preciado, Frank Rimell, Youngki Kim
University of Minnesota, Minneapolis, MN
The Sap Transporter Is Critical for the Commensal and Pathogenic Behavior of Nontypeable Haemophilus influenzae (NTHi)
Kevin Mason masonk@ccri.net
Robert S. Munson Jr.
Lauren Bakaletz,
Columbus Children’s Research Institute, Columbus, OH

Discussion

Nasopharyngeal Flora in Otitis-Prone Children
Ann Hermansson
ann.hermansson@med.lu.se
Marie Gisselsson-Solén,
Ylva Lindström
Lund University Hospital, Lund, Sweden

Myringotomy by Radiofrequency Microfiber Technique
Klaus Vogt info@rhinovogt.de
Med.Faculty, Univ.of Latvia, Riga, Rendsburg, Schleswig-Holstein, Germany

Sanitation of Mesopharyngeal and Retropharyngeal Space by Radiofrequency Tonsillotomy and Adenectomy
Klaus Vogt info@rhinovogt.de
Med.Faculty, Univ.of Latvia, Riga, Rendsburg, Schleswig-Holstein, Germany

Discussion

Delayed Prescribing: A Sensible Approach to the Management of Acute Otitis Media (AOM)
Paul Little p.little@soton.ac.uk
University of Southampton, Southampton, Hants, United Kingdom

Wait and See Prescription for the Treatment of Acute Otitis Media - Benefit or Harm?
David Spiro spirod@ohsu.edu
Oregon Health and Science University, Portland, OR
Current Status of the Observation Option for AOM
Colin Marchant cdmarcha@bu.edu
Boston Medical Center, Boston, MA

Diagnostic Inaccuracy and Subject Exclusions Render Placebo/Observational Studies of AOM Inconclusive
Michael Pichichero michael_pichichero@urmc.rochester.edu
University of Rochester School of Medicine, Rochester, NY

TUESDAY, JUNE 5, 2007

7:00 AM - 6:00 PM
Registration
Grand Palm Colonnade

7:00 AM – 8:00 AM
Continental Breakfast/Viewing of Exhibits
Grand Palm Colonnade/Long

8:00 AM - 10:00 AM
MINI SYMPOSIUM 1
Molecular Pathogenesis of OM
Organizers: Allen Ryan and Jian-Dong Li
Tarpon/Sawyer

8:00 AM
Introduction

8:10 AM
Molecular Basis of S. pneumoniae and H. influenzae Infections
Jeffrey Weiser weiser@mail.med.upenn.edu
University of Pennsylvania, Philadelphia, PA

8:30 AM
Role of Antimicrobial Innate Immune Molecules in Otitis Media Pathogenesis
David Lim dlim@hei.org
House Ear Institute, Los Angeles, CA

8:50 AM
Regulation of Mucin in Respiratory Tract
Reen Wu rwu@ucdavis.edu
Daphne C. Y. Wu, Artem Loukoianov, Yin Chen, Philip Thai, Mary M. J. Chang
University of California at Davis, CA

9:10 AM
Regulation of Inflammation in Otitis Media
Jian-Dong Li jian-dong_li@urmc.rochester.edu
University of Rochester, Rochester, NY
9:30 AM
**Middle Ear Mucosal Hyperplasia and Recovery in Otitis Media**
Allen Ryan afryan@ucsd.edu
Anke Leichtle, Michelle Hernandez, Kwang Pak, Stephen I. Wasserman
UCSD School of Medicine, La Jolla, CA

9:50 AM
**Concluding Remarks**

10:00 AM - 10:30 AM
**Morning Break**

10:30 AM
**SPECIAL LECTURE 3**
**Introduction: Cuneyt Alper**

11:00 AM
**SL03**
**Computer Modeling in Otitis Media**
Samir Ghadiali sag3@lehigh.edu
Lehigh University, Bethlehem, PA

11:00 AM - 12:30 PM
**Plenary Session**

11:00 AM - 12:30 PM
**TREATMENT 1**
Moderators: Richard Rosenfeld, Jan Grote, Alberto Leiberman

11:00AM
**PS06**
**Current Trends in Research Methods (Design & Analysis) for Clinicians & Biologists**
Mark Haggard
mark.haggard@mrc-cbu.cam.ac.uk
Medical Research Council, Cambridge, United Kingdom

11:20 AM
**Discussion**

11:30 AM
**PS07**
**Adenoidectomy for Otitis Media with Effusion in 2-3 Year-Old Children**
Margaretha L. Casselbrant margaretha.casselbrant@chp.edu
Ellen Mandel, Marcia Kurs-Lasky, Patricia Fall
Children’s Hospital of Pittsburgh, Pittsburgh, PA

11:40 AM
**PS08**
**Relationship Between Persistence of Pathogens Despite Clinical Improvement or Cure (Ci/C) in Antibiotic-Treated Acute Otitis Media (Aom) and Clinical and Bacteriologic Recurrence of the Disease**
Eugene Leibovitz eugene@bgu.ac.il
Elad Asher, Noga Givon-Lavi, Alberto Leiberman, Ron Dagan
Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Israel

11:50 AM
**Discussion**
PS09 12:00 PM  Efficacy of Trimethoprim-Sulfamethoxazole in Children with Active Chronic Otitis Media: A Randomized Placebo Controlled Trial  Erwin Van Der Veen  E.L.vanderVeen@umcutrecht.nl  Maroeska Rovers, Frans Albers, Elisabeth Sanders, Anne Schilder  University Medical Center Utrecht, Utrecht, The Netherlands

PS10 12:10 PM  Development of the Antimicrobial Peptide OP-145 for Chronic Otitis Media  Jan Grote jjgrote@planet.nl  Marcel Vonk, Guido Bloemberg, Marja Nell, Ruud Verrijk, Amon Wafelman, Rob Valentijn, Johan Frijns, Pieter Hiemstra, Jan Wouter Drijfhout  Leiden University Medical Center, Leiden, The Netherlands

12:20 PM  Discussion

LP03 2:00 PM - 2:30 PM  History of Serous Otitis Media  Robert Ruben  ruben@aecom.yu.edu  Albert Einstein College of Medicine, New York, NY

2:30 PM - 4:00 PM  Contributed Papers Oral Presentation (Sessions A and B)  SESSION A1

2:30 PM  The Global Burden of Childhood Otitis Media and Hearing Impairment: A Systematic Review  Hasantha Gunasekera  hgun6897@mail.usyd.edu.au  Leigh Haysom, Peter Morris, Jonathan Craig  The Children’s Hospital at Westmead, Sydney, NSW, Australia

Moderators: Howard Hoffman, Steve Brown, Janak Patel
2:40 PM
A14
Laterality of Acute Otitis Media: Different Clinical and Microbiological Characteristics
David McCormick
defild.mccormick@utmb.edu
Stephanie Chandler,
Tasnee Chonmaitree
University of Texas Medical Branch, Galveston, TX

2:50 PM
A15
Acute Otitis Media: The Incidence of Hospital Admissions, Surgery and Complications 1999-2005
Kari J. Kvaerner
k.j.kvarner@medisin.uio.no
University of Oslo, Oslo, Norway

3:00 PM
Discussion

3:15 PM
A16
Fine Mapping of Two Loci Influencing Chronic Otitis Media with Effusion and/or Recurrent Otitis Media (COME/ROM)
Michele Sale msale@wfubmc.edu
Peter Perlegas, Miranda Marion, Pamela Hicks, Stephen Rich, Kathleen Daly
Wake Forest University School of Medicine, Winston-Salem, NC

3:25 PM
A17
Influence of Viruses, Host Genetics and Environment on Nasopharyngeal Cytokines During URI
Janak Patel jpatel@utmb.edu
Sangeeta Nair, Krystal Revai, Reuben Matalon, James Grady, Tasnee Chonmaitree
University of Texas Medical Branch, Galveston, TX

3:35 PM
A18
Mucin Gene Polymorphisms in Otitis Media Patients
Matthew Ubell
matt.ubell@gmail.com
Joseph Kerschner, Amy Burrows
Medical College of Wisconsin, Milwaukee, WI

3:45 PM
Discussion

SESSION B1
2:30 PM - 4:00 PM
PATHOGENESIS 2
Moderators: Cuneyt Alper, Per Caye Thomasen, Jenelle Kyd
Sawyer
The Effects of Gastroesophageal Reflux on Eustachian Tube Function, the Development of Otitis Media and the Resolution of an Induced Episode of Acute Otitis Media

David Chi david.chi@chp.edu
Cuneyt M. Alper, Sancak Yuksel, J. Douglas Swarts
Children's Hospital of Pittsburgh, Pittsburgh, PA

Negative Pressure-Induced Secretion of Inflammatory Mediators by Cultured Middle Ear Epithelial Cells: Relevance to Eustachian Tube Dysfunction and Otitis Media with Effusion

Patricia Hebda hebda@pitt.edu
Mark Barsic, Tripti Singh, Joseph Dohar
Children's Hospital of Pittsburgh, Pittsburgh, PA

Middle Ear Pressure Regulation Model

William J. Doyle
docdoyle2@aol.com
Cuneyt M. Alper
Children's Hospital of Pittsburgh, Pittsburgh, PA

Intranasal Challenge with Prostaglandin D2 and Bradykinin Increases Middle Ear to Blood Inert Gas Exchange Rates

Sancak Yuksel
Sancak.Yuksel@chp.edu
William J. Doyle, Juliane Banks, Cuneyt M. Alper
Children's Hospital of Pittsburgh, Pittsburgh, PA

Interaction of Pneumococcal Phase Variation and Middle Ear Pressure/Gas Composition: An in Vitro Model of Otitis Media Pathogenesis

Ha-Sheng Li-Korotky
ha-sheng.li@chp.edu
Chia-Yee Lo, Juliane Banks, Fanrui Zeng, Simon Watkins, J. Douglas Swarts
Children's Hospital of Pittsburgh, Pittsburgh, PA
Trans-Mucosal Gas Exchange Rate of the Middle Ear Is Nitrogen Dependant.
Romain Kania
romain.kania@lrb.aphp.fr
Philippe Herman, Patrice Tran Ba Huy, Amos Ar Lariboisière Hospital, Paris VII University, CNRS 7060 Paris, France

SESSION A2

4:30 PM - 6:00 PM TREATMENT 2
Moderators: Desiderio Passali, Tasnee Chonmaitree, Eugene Leibovitz

4:30 PM A19 Efficacy of Air Inflation With/without Corticosteroids for Treating Otitis Media with Effusion
Cuneyt M. Alper alpercm@pitt.edu
Ellen Mandel, Margaretha L. Casselbrant, William J. Doyle Children’s Hospital of Pittsburgh, Pittsburgh, PA

4:40 PM A20 Treatment Outcome of Acute Otitis Media in Children Treated with a Newly Released Guideline in Japan
Tatsuya Hayashi thayashi@asahikawa-med.ac.jp
Ryuki Otaka, Yusuake Abe, Yasuaki Harabuchi Asahikawa Medical College, Asahikawa, Hokkaido, Japan

4:50 PM A21 Effect of Antibiotic Choice: Changes in Antimicrobial Susceptibility and Genetic Characteristics of Streptococcus pneumoniae Isolated from Nasopharynx of Pediatric Patients
Ryuki Otaka ohtaka@asahikawa-med.ac.jp
Tatsuya Hayashi, Yusuake Abe, Yasuaki Harabuchi Asahikawa Medical College, Asahikawa, Japan

5:00 PM Discussion
Effect of Various Corticosteroids in LPS-Induced Otitis Media
Dusan Martin
dusanmartin@hotmail.com
Loma Linda University School of Medicine and Jerry L. Pettis Veterans Medical Center, Loma Linda, CA

What Is the Best Method of Repairing Tympanic Membrane Perforation?
Timothy T.K. Jung
tjung1790@aol.com
You Hyun Kim, Yoon Hwan Kim, Seong Kook Park, Dusan Martin
Loma Linda University School of Medicine and Jerry L. Pettis Veterans Medical Center, Loma Linda, CA

Discussion
SESSION B2
4:30 PM – 6:00 PM
BIOCHEMISTRY/IMMUNOLOGY
Moderators: Steve Juhn, Masashi Suzuki, Yasuaki Harabuchi

Effect of Inflammatory Mediators on the Inner Ear
Steven Juhn juhnx001@umn.edu
Bo Hyung Kim, Min-Kyo Jung, Ji-Eun Lee, Patricia Schachern, Michael Paparella
University of Minnesota, Minneapolis, MN

The Effects of Plasminogen Deficiency on the Healing of Tympanic Membrane Perforations
Annika Hansson
annika.hansson@ent.umu.se
Jinan Li, Per-Olof Eriksson, Tor Ny, Diana Berggren, Sten Hellström
Clinical Science, Umea, Sweden
4:50 PM
B21
Analysis of the Cellular Immune Responses to Influenza A Virus Infection in the Middle Ear
Takashi Hirano
thirano@med.oita-u.ac.jp
Mai Tomiguchi, Hideaki Mabuchi, Satoru Kodama, Masashi Suzuki
Faculty of Medicine, Oita University, Yufu, Oita, Japan

5:00 PM
Discussion

5:15 PM
B22
Cytokine Profile of Nasopharyngeal T Cells in Ags-Epcific Mucosal Immune Response
Takaya Yamada
kawauchi@med.shimane-u.ac.jp
Miki Tongu, Hideyuki Kawauchi, Kasuhiro Hashigucci
Shimane University, School of Medicine, Izumo City, Japan

5:25 PM
B23
CD14, MyD88 and Toll-Like Receptor-2 and -4 Polymorphisms Do Not Predispose to Chronic Active Otitis Media in Children
Erwin Van Der Veen
E.L.vanderVeen@umcutrecht.nl
Anne Schilder, Maroeska Rovers, Ger Rijkers, Henk Ruven, Kors Van Der Ent, Elisabeth Sanders
University Medical Center Utrecht, The Netherlands

5:35 PM
Discussion

6:00 PM - 6:30 PM
Poster Viewing and Refreshments

6:30 PM - 7:15 PM
Buffet Dinner

7:15 PM - 9:00 PM
GREAT DEBATE 2
Which Child Benefits Most From Tympanostomy Tubes?
Moderator: Richard M. Rosenfeld

GD05
Which Children Benefits Most from Tympanostomy Tubes (Grommets)?
Jorgen Lous jlous@health.sdu.dk
University of Southern Denmark, Odense C, Denmark

GD06
Which Child Benefits from Tympanostomy Tubes?
Robert Ruben
ruben@aecom.yu.edu
Albert Einstein College of Medicine, New York, NY
Towards a Balanced Synthesis on Surgical Intervention in OME
Mark Haggard
mark.haggard@mrc-cbu.cam.ac.uk
Medical Research Council, Cambridge, United Kingdom

Predictors of Chronic Suppurative Otitis Media in Children
Anne Schilder
a.schilder@umcutrecht.nl
Erwin Van Der Veen, Niels Van Heerbeek, Gerhard Zielhuis, Marojeska Rovers
University Medical Center Utrecht, The Netherlands

9:00 PM Adjournment

WEDNESDAY, JUNE 6, 2007

7:00 AM - 6:00 PM Registration Grand Palm Colonnade

7:00 AM - 8:00 AM Continental Breakfast/Viewing of Exhibits Grand Palm Colonnade/Long

8:00 AM - 10:00 AM MINI SYMPOSIUM 2
New Concepts in OM Vaccines
Organization: Stephen Pelton, Stephen Barenkamp

Moderators: Pearay Orga

8:00 AM Introduction

8:10 AM Top-Down Bottom-Up Phylogenic Approach for Early Stage Vaccine Development
Richard Goldstein
genetics@bu.edu
Valerie Bouchet, Magali Leroy, Heather Huot, Marisol Figueira, Sanjay Ram, Stephen I. Pelton
Boston Universi http://www.bu.edu/center, Boston, MA

8:35 AM Protein D of Haemophilus influenzae – The Antigenic Potential of a Carrier Protein
Anne Forsgren
anne.forsgren@med.lu.se
Kristian Riesbeck, Häkan Janson
Lund University, Malmö, Sweden

9:00 AM Pneumococcal Proteins as Vaccine Candidates
Larry S. McDaniel
lmcdaniel@microbio.umsmed.edu
University of Mississippi Medical Center, Jackson, MS
The Role of Viruses in Otitis Media
Peter Wright
peter.wright@vanderbilt.edu
Vanderbilt, Nashville, TN

Closing Remarks

Break

SPECIAL LECTURE 4
Introduction: Tasnee Chonmaitree

The Role of Viruses in Otitis Media
Terho Heikkinen
terho.heikkinen@utu.fi
Turku University Hospital, Turku, Finland

Plenary Session

VACCINE
Moderators: Pearay Ogra, Jerome Klein, Noboru Yamanaka

Vaccines for Otitis Media:
Mining the Moraxella catarrhalis Genome
Timothy Murphy
murphyt@buffalo.edu
Charmaine Kirkham, Elizabeth Ruckdeschel, Alan Lesse
University at Buffalo, State University of New York, Buffalo, NY

Promiscuous Epitope Peptides of P6 Outer Membrane Protein of Non Typeable Haemophilus influenzae
Yusuke Abe
yabe@asahikawa-med.ac.jp
Yuka Nomura, Yoshiya Ishida, Ryuki Otaka, Tatsuya Hayashi, Yasuaki Harabuchi
Asahikawa Medical College, Asahikawa, Hokkaido, Japan

Construction and Immunogenicity of Recombinant Adenovirus Vectors Expressing the HMW or Hia Adhesion Proteins of Nontypeable Haemophilus influenzae
Stephen Barenkamp
barenksj@slu.edu
St. Louis University School of Medicine, St. Louis, MO

Discussion
Nasal Vaccination with New DNA Adjuvants Elicit Long Lasting Immunity Mediated by Both Th1- And Th2-Type Cytokine and NALT Dendritic Cells
Tatsuya Fukuiwa silvian@m2.kufm.kagoshima-u.ac.jp Kohtaro Fujihashi, Jerry R. McGhee, Yuichi Kurono Kagoshima University, Kagoshima, Japan

Intranasal Immunization with LB1 Induces Maturation and Subsequent Migration of Chinchilla Respiratory Dendritic Cells to Local Lymphoid Tissues
Laura Novotny novotnyl@ccri.net Santiago Partida-Sanchez, Lauren Bakaletz, Columbus Children's Research Institute and the Ohio State University College of Medicine, Columbus, OH

Intranasal Immunization with Phosphorylcholine Enhanced the Clearance of S. pneumoniae and Nontypeable H. influenzae from the Nasal Cavity.
Norimitsu Tanaka noritan@m3.kufm.kagoshima-u.ac.jp Satoshi Fukuyama, Tatsuya Fukuiwa, Masaki Kawabata, Yuichi Kurono Kagoshima University, Kagoshima, Japan

Discussion

Box Lunch/Viewing of Posters Grand Palm
Colonnade

LUNCH-TIME SPECIAL Tarpon/Sawyer

An Animal Model for the Study of Otitis Media
Stephen I. Wasserman swasserman@ucsd.edu Anke Leichtle, Michelle Hernandez, Allen Ryan UC San Diego, La Jolla, CA
Elucidating Genetic Pathways for Chronic Otitis Media – the Utility of Mouse Genetic Models
Steve Brown
s.brown@har.mrc.ac.uk
Medical Research Council, Harwell, Oxfordshire, United Kingdom

Contributed Papers Oral Presentation (Sessions A and B)

SESSION A1

2:30 PM - 4:00 PM
ANIMAL MODELS
Moderators: Dennis Trune, Ann Hermansson, Karin Stenfeldt

2:30 PM
Genetic Pathways for Chronic Otitis Media – Identification of Mouse Models and Characterisation of the Underlying Genes
Steve Brown
s.brown@har.mrc.ac.uk
Rachel Hardisty-Hughes, Hilda Tateossian, Jiewu Yang, Susan Morse
Medical Research Council, Harwell, Oxfordshire, United Kingdom

2:40 PM
Molecular Pathogenesis of Otitis Media in a Mouse Model with the Hypophosphatemia-Duke Mutation (PhexHyp-Duk)
Jiang Ping Zhang
jzhang@med.wayne.edu
Christopher McCarty, Qing Zheng
Wayne State University, Detroit, MI

2:50 PM
Characterization of Experimental Otitis Media with Effusion in the Mouse
Sancak Yuksel
sancak.yuksel@chp.edu
Juliane Banks, Per-Olof Eriksson, Mark Barsic, Joseph Dohar, Patricia Hebda
Children’s Hospital of Pittsburgh, Pittsburgh, PA

3:00 PM
Discussion

3:15 PM
Otitis Media in a Mouse with Viable Motheaten Mutation
Qing Zheng qyz@case.edu
Jiang Ping Zhang, Christopher McCarty, Heping Yu
Case Western Reserve University, Cleveland, OH
Otitis Media in a Mouse with a Mutation in Ptpn6
Jiang Ping Zhang
jzhang@med.wayne.edu
Christopher McCarty, Qing Zheng
Wayne State University, Detroit, MI

Histomorhometric Estimation of Air Cell Development in Exp. Induced Otitis Media
Kristianna Mey
meymorch@privat.dk
Mads Sølvsten Sørensen, Preben Homoe
Hillerød Sygehus, 3400 Hillerød, Denmark

SESSION B1

2:30 PM - 4:00 PM
TREATMENT 3
Moderators: Anne Schilder, Mark Haggard, Tania Sih

Simple Tympanotomy or Grommet Insertion in Chronic Secretory Otitis Media - A 25-Year Follow-Up on Ear Drum Pathology, Hearing and Eustachian Tube Function
Per Caye-Thomasen
peca@geh.regionh.dk
Sven-Eric Stangerup, Gita Jørgensen, Dominika Drozdiewic, Per Bonding, Mirko Tos
Gentofte University Hospital of Copenhagen, DK-2900 Hellerup, Denmark

Ventilation Tubes in OME Benefit Development in Older But Not Younger Children
Mark Haggard
mark.haggard@mrc-cbu.cam.ac.uk
Helen Spencer
Medical Research Council, Cambridge, Cambs, United Kingdom

Tymanostomy Tube Outcomes in Children At-Risk and Not-At-Risk for Developmental Delays
Richard Rosenfeld
richrosenfeld@msn.com
David Jang, Konstantin Tarashansky
Long Island College Hospital, Brooklyn, NY
3:15 PM
B27

Does the Benefit of Adenoidectomy with Ventilation Tube Insertion Persist Long-Term?
Mat Daniel m-daniel@runbox.com
Herbie Vaghela, Carl Philpott, Rsa Thomas, Mary M. Gannon, Helen Spencer, Mark P. Haggard
University Hospital Leicester, Leicester, United Kingdom

3:25 PM
B28

Tube Associated Otorrhea in Children with Recurrent Otitis Media; Results of a Prospective Randomized Treatment Study
Anna Granath anna.granath@karolinska.se
Karin Lindberg,
Britta Rynnel-Dagöö
CLINTEC Karolinska Institutet,
Stockholm, Sweden

3:35 PM
B29

Effect of Round Window Membrane Application of Dornase Alfa on Cochlear Function
Kenny H. Chan chan.kennyh@tchden.org
Jonathan E. Zwart, Todd Miller, J. Courtney French, Dusan Martin, You Hyun Kim, Yoon Hwan Kim, Tiffany Lo, Christopher Le, Choong-Won Lee, Stanley Allen, Tammy Pham, Mark Nicosia, Derick Ly, Jerry Nguyen, Earnest O. John, Timothy T.K. Jung
Loma Linda University School of Medicine and Jerry L. Pettis Veterans Medical Center, Loma Linda, CA

3:45 PM

Discussion

4:00 PM - 4:30 PM

Afternoon Break

33
4:40 PM
A31 Mastoiditis Before and After New Treatment Recommendations for AOM
Karin Stenfeldt
Karin.Stenfeldt@telia.com
Ann Hermansson
Malmö University Hospital, Malmö, Sweden

4:50 PM
A32 Retraction Pockets of the Pars Tensa in Children: Evolution and Treatment.
Pasquale Cassano
p.cassano@unifg.it
Desiderio Passali
ORL Foggia, Foggia, Italy

5:00 PM
Discussion

5:15 PM
A33 Developmental Impact of OM(E): Real But Restricted
Mark Haggard
mark.haggard@mrc-cbu.cam.ac.uk
Helen Spencer
Medical Research Council, Cambridge, United Kingdom

5:25 PM
A34 What Is the Diagnostic Value of Parental Information About Language Development in Children with Otitis Media with Effusion
Maj-Britt G Lauritsen
m.g.lauritsen@dadlnet.dk
Margareta Soderstrom, Per Jensen, Jorgen Lous
University of Copenhagen, Copenhagen, Denmark

5:35 PM
A35 Otitis Media, an Indication for Dentofacial Growth Abnormality Assessment.
Peyman Nejatbakhsh Azadani
drpeyman103@hotmail.com
Elnaz Jafarimehr, Aman Ghoujeghi, Amir Naghdi Sede
Shahid Beheshti University of Medical Sciences, Tehran, Iran

5:45 PM
Discussion

SESSION B2

4:30 PM - 6:00 PM PATHOGENESIS 4
Moderators: Joseph Dohar, Yukiko Iino

4:30 PM
B30 Role of Extra-Esophageal Reflux in Chronic Otitis Media with Effusion
Matthew Crapko
mcrapko@mcw.edu
Joseph Kerschner, Michael Syring, Nikki Johnston
Medical College of Wisconsin, Wauwatosa, WI
4:40 PM
B31
In Vitro Formation of NTHi Biofilms
Paul Webster pwebster@hei.org
Siva Wu
House Ear Institute,
Los Angeles, CA

4:50 PM
B32
Bactericidal Efficacies of Azithromycin on Nontypeable Haemophilus influenzae Adhered to and Invaded Cultured Human Epithelial Cells.
Muneki Hotomi mhotomi@wakayama-med.ac.jp
Keiji Fujihara, Shinji Tamura,
Sekie Saito, Tsutomu Tomita,
Dewan Billal, Noboru Yamanaka
Wakayama Medical University,
Wakayama, Japan

5:00 PM
Discussion

5:15 PM
B33
The Pediatric Draining Ear-From Bench to Patient: An Update
Joseph E. Dohar joseph.dohar@chp.edu
Children’s Hospital Pittsburgh,
Pittsburgh, PA, USA

5:35 PM
Discussion

6:30 PM -
7:15 PM
Poster Session 2 and Refreshments/Reception
Grand Palm
Colonndade

7:30 PM -
10:00 PM
Banquet Dinner
Tarpon/Sawyer

THURSDAY, JUNE 7, 2007

7:00 AM - 6:00 PM
Registration
Grand Palm
Colonndade

7:00 AM - 8:00 PM
Continental Breakfast
Indian/Bird

8:00 AM - 10:00 AM
MINI SYMPOSIUM 3
Relevance of Biofilms in Managing and Preventing OM
Opening Remarks
Organizers: Garth Ehrlich and Joseph Kerschner

8:00 AM
MS10
The Biofilm Paradigm and the Distributed Genome Hypothesis
Provide a Useful Rubric for the Study of Chronic Bacterial Infections Such as Otitis Media with Effusion
Garth Ehrlich gehrlch@wpahs.org
Allegheny-Singer Research Institute , Pittsburgh, PA
8:10 AM MS11 The Ying and Yang of Quorum Sensing in Pseudomonas Aeruginosa Biofilms Barbara Iglewski Barbara_Iglewski@URMC.Rochester.edu University of Rochester Medical Center, Rochester, NY

8:27 AM MS12 Chronic Otitis Media as a Biofilm Disease Joseph Kerschner kersch@mcw.edu Medical College of Wisconsin/Children’s Hospital of Wisconsin, Milwaukee, WI

8:44 AM MS13 Pharyngeal Colonization Dynamics of Haemophilus influenzae Janet Gilsdorf gilsdorf@umich.edu University of Michigan, Ann Arbor, MI

9:01 AM MS14 The Biofilm Formed by Nontypeable Haemophilus influenzae in the Middle Ear of the Chinchilla During Experimental Otitis Media Contains DsDNA and Type IV Pilin Protein Joseph Jurcisek jurcisej@ccri.net Lauren Bakalezt Columbus Children’s Research Institute, Columbus, OH

9:18 AM MS15 Biofilms as Bacterial Breeding Grounds: A Counterpoint to the Adaptive Host Response Fen Hu fhu@wpahs.org Justin Hogg, Luisa Hiller, Benjamin Janto, Robert Boissy, J. Christopher Post, Garth Ehrlich Allegheny Singer Research Institute, Pittsburgh, PA

9:35 AM MS16 Integration of Basic Research Findings into a Clinical Model That Explains the Persistence of Biofilms J.Christopher Post cpost@wpahs.org Allegheny General Hospital, Pittsburgh, PA

9:52 AM Concluding Remarks

10:00 AM - 10:30 AM Morning Break Indian/Bird

10:30 AM - 12:00 PM Plenary Session

10:30 AM - IMMUNOLOGY/VACCINE Tarpon/Sawyer Moderators: Stephen Pelton, Timothy Murphy, Hideyuki Kawauchi
10:30 AM Immune Regulation of Chemokine and Cytokine Responses Following Nontypeable Haemophilus influenzae (NTHi) Infection
Allan W. Cripps
allan.cripps@griffith.edu.au
Jodie Clarke, A. Ruth Foxwell, Jennelle Kyd
Griffith University, Gold Coast, Queensland, Australia

10:40 AM Role of Toll-Like Receptors in Persistent Inflammation of Upper Respiratory Tract and Its Clinical Implication
Hideyuki Kawauchi
hide101612857kimi@feel.ocn.ne.jp
Shimane University, School of Medicine, Izumo City, Japan

10:50 AM Outer Membrane Vaccine Candidate Targets Against NTHi
Valérie Bouchet valbouch@bu.edu
Stephen I. Pelton, Richard Goldstein
Boston University Medical Center, Boston, MA

11:00 AM Discussion

11:15 AM A Single Nasal Dose of Flt3 Ligand Enhances Mucosal Immune Responses in the Nasopharynx
Satoru Kodama
satoruk@med.oita-u.ac.jp
Takashi Hirano, Nobuyuki Abe, Masashi Suzuki
Oita University Faculty of Medicine, Yufu, Oita, Japan

11:25 AM Intranasal Immunization with Phosphorylcholine Reduced Type I Allergic Responses in Mice
Yuichi Kurono
u196kuro@m2.kufm.kagoshima-u.ac.jp
Norimitsu Tanaka, Satoshi Fukuyama, Keiichi Miyashita
Kagoshima University, Kagoshima, Japan

11:35 AM Discussion

12:00 PM Closing Remarks & Adjournment
DIAGNOSIS

P1  Hearing in Unilateral Cleft Lip and Palate Children
    Jadranka Handzic
    jadranka.hanadzic-cuk@usa.net
    Medical School Zagreb, University Hospital Center, Zagreb, Croatia

P2  Investigation of Eustachian Tube Function in Chronic Otitis Media with Cholesteatoma
    Kenji Noda
    k-noda@med.oita-u.ac.jp
    Takashi Hirano, Masashi Suzuki
    Oita University Faculty of Medicine, Yufu, Oita, Japan

P3  Validity, Reliability and Acceptance of the Galker Test of Speech Reception in Noise for Danish Preschool Children
    Maj-Britt G. Lauritsen
    m.g.lauritsen@dahlnet.dk
    Svend Kreiner, Margareta Soderstrom, Jens Dorup, Jorgen Lous
    University of Copenhagen, Copenhagen K, Denmark

P4  Telemedicine and Digital Imaging as Tools to Study Inflammatory Conditions in Middle Ear - A Method Study
    Thorbjorn Lundberg
    thorbjorn.lundberg@fammed.umu.se
    Goran Westman, Sten Hellström, Herbert Sandstrom
    Family Medicine, Umea University, Umea, Sweden

P5  Convenient Method to Measuring Ventilatory Function of the Eustachian Tube; Preliminary Study of Updated Sonotubometry(SNT) and Valsalva Maneuver(VAL) in Tubo-Tympanum-Aerodynamography(TTAG)
    Tomoko Tsutsumi
    tomoko-tsutsumi829@yahoo.co.jp
    Masahiro Morita, Naoyuki Kohno
    Kyorin University School of Medicine, Mitaka, Tokyo, Japan
Prevalence of Acute Otitis Media Among Children with Pyrexia in a Nigerian Hospital
Alabi Sulyman
alabibs@yahoo.com
University of Ilorin Teaching Hospital, Ilorin-Nigeria, Ilorin, Kwara, Nigeria

Burden of Otitis in Dutch Children ≤ 4 Years Old: An Analysis of the 2005 Linh Database
Anouk Speets
speets@pallas-healthresearch.com
Judith Wolleswinkel, Robert Verheij, Suzanne Laplante
Pallas Health Research, Rotterdam, The Netherlands

Otitis Media as a Cause of Significant Hearing Loss Among Nigerians
Abiodun Olusesi
biodun@nanootology.org
National Hospital, Abuja, FCT, Nigeria

Protection of Pneumococcal Infection by Maternal Intranasal Immunization with Pneumococcal Surface Protein a (PspA)
Toshiki Katsurahara
ynobi@wakayama-med.ac.jp
Muneki Hotomi, Kazuma Yamauchi, Masaki Suzumoto, Dewan Billal, David Briles, Susan Hollingshead, Noboru Yamanaka
Wakayama Medical University, Wakayama, Japan

Maternal Intranasal Immunization with Outer Membrane Protein P6 Maintain Specific Antibody Level of Derived Offspring
Kazuma Yamauchi
kazuma@wakayama-med.ac.jp
Muneki Hotomi, Masaki Suzumoto, Dewan Billal, Noboru Yamanaka
Wakayama Medical University, Wakayama, Japan

Evidence of Biofilm in Chronic Suppurative Otitis Media in Greenland
Preben Homoe phom@rh.dk
Rigshospitalet, University Hospital of Copenhagen, Copenhagen, Denmark
P12
Association Between Nasopharyngeal Bacterial Colonization During Upper Respiratory Infection and Acute Otitis Media
Dheeresh Mamidi
docmamidi@yahoo.com
Krystal Revai, Tasnee Chonmaitree
University of Texas Medical Branch, Galveston, TX

P13
Bilateral Acute Otitis Media (BAOM): Epidemiologic, Microbiologic and Clinical Characteristics and Comparison with Unilateral Acute Otitis Media (UAOM)
Eugene Leibovitz
eugenel@bgu.ac.il
Elad Asher, Noga Givon-Lavi, Robert Satran, Alberto Leiberman, Ron Dagan
Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Israel

P14
Rapid Emergence of Multiresistant Pneumococcal Strains Replacing Those Included in the 7 Valent Conjugate Vaccine as Causative Otopathogens in US Children: Implications for Antibiotic Selection and Economic Burden of Disease
Janet Casey
jrcasey@rochester.rr.com
Michael Pichichero
Elmwood Pediatric Group, Rochester, NY

P15
Galactose Residues on Lipooligosaccharide (LOS) from Moraxella catarrhalis Form the Epitopes Recognized by Antibodies from the Serotype C Conjugate Vaccine
Shengqing Yu yus@nidcd.nih.gov
Xin-Xing Gu
NIDCD/NIH, Rockville, MD

P16
Detection of Respiratory Virus in Acute Otitis Media
Masashi Ogami
mhotomi@wakayama-med.ac.jp
Muneki Hotomi, Yosuke Kamide, Yoshifumi Uno, Masato Ito, Seiji Kakehata, Noriyo Kudo, Rinya Sugita, Yukiko Goto, Gen Sugita, Keijko Kanesada, Kazuma Yamauchi, Masaki Suzumoto, Dewan Billal, Noboru Yamanaka, Wakayama Medical University, Wakayama, Japan
**P17**  
Methicillin-Resistant *Staphylococcus Aureus* Otorrhea in Chronic Suppurative Otitis Media – a Multicenter Study  
Il Ho Shin 1-tiger@hanmail.net  
Sun Kyu Lee, Seung Geun Yeo, Chang IL Cha, Ding Choon Park  
Kyung Hee University, Seoul, Korea

**BIOCHEMISTRY/MOLECULAR BIOLOGY**

**P18**  
Molecular Biological Study of Infectious Mechanism of Nontypeable *H. influenzae* in Conjunctivitis-Otitis Media Syndrome in Young Children  
Rinya Sugita  
ynobi@wakayama-med.ac.jp  
Gen Sugita, Tosinari Funaki, Dewan Billal, Muneki Hotomi, Noboru Yamanaka  
Wakayama Medical University, Wakayama, Japan

**P19**  
Molecular Biological Study of Infectious Mechanism of *S.pneumoniae* in Conjunctivitis-Otitis Media Syndrome in Young Children  
Gen Sugita  
ynobi@wakayama-med.ac.jp  
Rinya Sugita, Tosinari Funaki, Dewan Billal, Muneki Hotomi, Noboru Yamanaka  
Wakayama Medical University, Wakayama, Japan

**P20**  
Expression of Lysozyme in the Rat Eustachian Tube and Middle Ear  
Sung-Ho Kang kkdin@kku.ac.kr  
Shuji Ohcho, Haa-Yung Lee, David Lim  
Konkuk University, Chungju, Korea

**P21**  
DNA Microarray Analysis of Otitis Media  
Michelle Hernandez  
chelita76@hotmail.com  
Anke Leichtle, Kwang Pak, Nicholas Webster, Stephen I. Wasserman, Allen Ryan  
University of California, San Diego, La Jolla, CA

**P22**  
Distribution of Collagens in Healthy Human Tympanic Membranes  
Johan Knutsson  
jk1jk2@yahoo.com  
Magnus Von Unge  
ENT-Dept, Vasteras, Sweden, Sweden
Expression of Platelet-Activating Factor Receptor and Nitric Oxide Synthases in Adenoid Tissues of Children with Middle Ear Effusion
Kyung Wook Heo
heokw96@kornet.net
Seong Kook Park, Sae Gwang Park
Inje University School of Medicine, Busan Paik Hospital, Busan, Korea

Antibodies Directed Against the Type IV Pilus Protein of Nontypeable Haemophilus influenzae Can Prevent or Reverse Biofilms Formed In Vitro
Molly Bruggeman
bruggemm@ccri.net
Joseph Jurcisek, Lauren Bakaletz
Columbus Children's Research Institute, Columbus, OH

Format and Compliance in a Study to Investigate the Relationship Between Viral Upper Respiratory Tract Infections and Otitis Media
Ellen A. Reynolds
eareynolds@comcast.net
Cuneyt M. Alper, Ellen Mandel, Birgit Winther, James T. Seroky, Kathy K. Tekely, William J. Doyle
Children’s Hospital of Pittsburgh, Pittsburgh, PA

Modulation of Cytokine Activity in Middle Ear by Formalin-Killed Haemophilus influenzae or Its Lipooligosaccharide HtrB and RfaD Mutants During Acute Otitis Media in the Rat
Hua Hua Tong tong.1@osu.edu
Thomas F. DeMaria
The Ohio State University, Columbus, OH

Nasopharyngeal Biofilm Density in the Pediatric Nasopharynx: Otitis Media with Effusion Versus Recurrent Acute Otitis Media and Obstructive Sleep Apnea
James M. Coticchia
jcoticch@med.wayne.edu
Michael Hoa, Lauren Dew, Lisa Christensen
Wayne State University, Detroit, MI
Detection of Helicobacter pylori in Middle Ear Fluids in Patients with Otitis Media with Effusion
Keehyun Park parkkh@ajou.ac.kr
Yun-Hoon Choung, Hun Yi Park, Sang Eun Lee, Choi Sung Jun
Ajou University School of Medicine, Suwon, Gyeonggi-Do, Korea

Production of Biofilm by Haemophilus influenzae Isolated from Children with Intractable Otitis Media
Satomi Moriyama
Muneki Hotomi, Masaki Suzumoto, Kazuma Yamauchi, Dewan Billal, Noboru Yamanaka
Wakayama Medical University, Wakayama, Japan

Gas Loss from the Middle Ear in Normal and Inflammatory Conditions: The Role of Mucosa Thickness and Blood Flow
Amos Araarah@post.tau.ac.il
Philippe Herman, Eric Lecain, Michel Wassef, Patrice Tran Ba Huy, Romain Kania
Faculty of Life Sciences, Tel Aviv University, Tel Aviv, Israel

Entry Into and Survival of Non-Typeable Haemophilus influenzae in Epithelial Cells
Paul Webster pwebster@hei.org
House Ear Institute, Los Angeles, CA

CD14-Dependent Upregulation of IC AM-1 in Human Monocytes by Moraxella catarrhalis Lipooligosaccharide
Hang Xie Xiehan@nidcd.nih.gov
Xin-Xing Gu
NIDCD, Rockville, MD

Seasonality of Allergy in Patients With Chronic OME
David Hurst meear43@gmail.com

Early Inflammatory Cell Response to Myringotomy in Otitis Media with Effusion
Jorge Spratley
j.spratley@mail.telepac.pt
Sten Hellström, Pedro Marques, Cathrine Johansson
University of Porto Medical School, Porto, Portugal
P35  Matrix Metalloproteinase 9 Does Not Affect the Healing of Tympanic Membrane Perforations
   Cathrine Johansson
cathrine.johansson@ent.umu.se
Per-Olof Eriksson, Jinan Li, Tor Ny, Sten Hellström
Umeå University, Umeå, Sweden

P36  Effect of Pneumococcal Proteins on the Inner Ear
   Patricia Schachern
   schac002@umn.edu
Vladimir Tsuprun, Sebahattin Cureoglu, Patricia Ferrieri, Michael Paparella, Steven Juhn
University of Minnesota, Minneapolis, MN

P37  Immunohistochemical Study of the Effect of 5-Fluorouracil (5-FU) on Cholesteatoma
   Tomomi Yamamoto-Fukuda
tomomiyf@net.nagasaki-u.ac.jp
Mariko Terakado, Yoshitaka Hishikawa, Takehiko Koji, Haruo Takahashi
Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

P38  Eustachian Tube Form/Function in Cleft Lip and Palate
   Anil Gungor
   anil.gungor@anadolusaglik.org
William J. Doyle, J. Douglas Swarts
Anadolu Foundation Healthcare System, Cayirova Mevkii, Turkey

P39  Interspecies Comparisons of Eustachian Tube Flow Patterns During Swallowing in the Forced Response Test
   J. Douglas Swarts
dswarts@pitt.edu
Samir Ghadiali
Children’s Hospital of Pittsburgh, Pittsburgh, PA
ANIMAL MODEL

P40 Glucocorticoid and Mineralocorticoid Suppression of Acute Otitis Media in the Mouse
Carol MacArthur
macarthc@ohsu.edu
Beth Kempton, Dennis Trune
OHSU, Portland, OR

P41 Effects of Low-Intensity Focused Ultrasound on the Mouse Middle Ear
Kanako Noda
oribe716@med.oita-u.ac.jp
Takashi Hirano, Masashi Suzuki
Oita University Faculty of Medicine, Oita, Japan

P42 Efficacy of a Novel Oral Carbapenem, Tebipenem Pivoxil (TBM-PI), Against Experimental Otitis Media Caused by Penicillin Resistant Streptococcus pneumoniae in Chinchilla
Masaki Suzumoto
suzumoto@wakayama-med.ac.jp
Muneki Hotomi, Koju Itahashi, Jun Nagura, Takayoshi Fukuyama, Keiji Fujihara, Noboru Yamanaka
Wakayama Medical University, Wakayama, Japan

P43 Regulation of TGF-β Signalling by Fbxo11 – the Gene Mutated in the Jeff Otitis Media Mouse.
Hilda Tateossian
h.tateossian@har.mrc.ac.uk
Rachel Hardisty-Hughes, Susan Morse, Steve Brown
Medical Research Council, Harwell, Oxfordshire, United Kingdom

P44 Fbxo11, Mutated in the OM Mouse Mutant Model Jeff, Is a Novel Apoptosis Inhibitor and Binds Spectrin Beta II
Jiewu Yang j.yang@har.mrc.ac.uk
Rosaro Romero, Steve Brown
Medical Research Council, Harwell, Oxfordshire, United Kingdom
Three *Moraxella catarrhalis* Strains Differed in Their Ability to Cause Acute Otitis Media in the Rat
Eva Westman
evawestman@hotmail.com
Ann Hermansson, Åsa Melhus
Otorhinolaryngology, Sundsvall, Sweden

A Mouse Model of ME Infection After Intranasal Administration of Pneumococci
Albert Sabirov
Albert_Sabirov@urmc.rochester.edu
Dennis Metzger
University of Rochester School of Medicine and Dentistry, Rochester, NY

**IMMUNOLOGY**

TLR2 and MyD88 Are Crucial to Recovery from Nontypeable *Haemophilus influenzae* (NTHi)-Induced Otitis Media
Anke Leichtle aleichtle@ucsd.edu
Michelle Hernandez, Kwang Pak, Joerg Ebmeyer, Stephen I. Wasserman, Allen Ryan
University of California San Diego, La Jolla, CA

Induction of Innate Immune Molecule, Human Beta Defensin 2 by NTHi Is Required TLR2 Mediated MyD88 and IRAK-TRAF6 Signaling Pathway in Human Middle Ear Epithelial Cell
Haa-Yung Lee hlee@hei.org
Tamotsu Takeshita, Jun Shimada, Arsen Acopyan, Shin-Seok Kang, Sung Kyun Moon, Robert Gellibolian, Ali Andalibi, David Lim
House Ear Institute, Los Angeles, CA

Cellular Immune Responses to Pneumococcal Proteins in Children with Otitis Media
Selma Wiertsema
swiertsema@meddent.uwa.edu.au
Anita Van Den Biggelaar, Marie Nadal-Sims, Angela Fuery, Ruth Thornton, Peter Hermans, Harvey Coates, Peter Richmond
University of Western Australia, Perth, Australia
P50 An Immunological Study in Chinese Adult Patients with Otitis Media with Effusion
Xue Zhong Liu
xliu@med.miami.edu
Long Ru Zhang, Xiaomei Ouyang, Li Lin Du, Denise Yan
Department of Otolaryngology, University of Miami, Miami, FL

P51 Relationship of Effusion Bacteria, Serum Immunoglobulin and Effusion Immunoglobulin in Otitis Media with Effusion
Seung Geun Yeo
yeo2park@yahoo.co.kr
Seok Min Hong, Jae Yong Byun, Chang Il Cha, Hyun Joon Shim, Dong Choon Park
Kyung Hee University, Seoul, Korea

P52 Toll-Like Receptor 2 and 4 in Otitis Media with Effusion
Young Chan Lee
medchan@hanmail.net
Il Ho Shin, Seung Geun Yeo, Jae Yong Byun, Chang Il Cha, Hyun Joon Shim, Dong Choon Park
Kyung Hee Medical Center, Seoul, Korea

P53 Epitope-Mapping the Immune Response of Children with Otitis Media and Adults with Chronic Obstructive Pulmonary Disease to the PilA Protein of Nontypeable Haemophilus influenzae Type IV Pilus
Leanne Adams adamsl@ccri.net
Laura Novotny, Sanjay Sethi, Timothy Murphy, Lauren Bakaletz
Columbus Children’s Research Institute, Columbus, OH

P54 Detection of Bacteria Using PCR in Middle Ear Effusion: Correlation with Presence of Allergy by MAST
Min Kyo Jung cmkkk@lycos.co.kr
Jeong-Hoon Oh
The Catholic University of Korea, Daejeon, Korea
P55  NOD2-Dependent NF-KB Activation Is Involved in NTHi-Induced DEFB4 Up-Regulation of the Middle Ear Epithelial Cells as a TLR2-Independent Signaling Pathway  
Sung Kyun Moon smoon@hei.org  
Jeong-Im Woo, Haa-Yung Lee,  
Jun Shimada, Huiqi Pan, Robert Gellibolian, David Lim  
House Ear Institute,  
Los Angeles, CA

P56  Toll-Like Receptor 2-Dependent NFkB Activation Is Involved in Nontypeable Haemophilus influenzae-Induced MCP-1 Up-Regulation in the Spiral Ligament Fibrocytes of the Inner Ear  
Sung Kyun Moon smoon@hei.org  
Jeong-Im Woo, Haa-Yung Lee,  
Raekil Park, Jun Shimada, Huiqi Pan, Robert Gellibolian, David Lim  
House Ear Institute,  
Los Angeles, CA

P57  Lysozyme M Deficiency Increases Susceptibility to Pneumococcal Otitis Media  
Jun Shimada jshimada@hei.org  
Sung Kyun Moon, Haa-Yung Lee, Robert Gellibolian, Noboru Yamanaka, David Lim  
House Ear Institute,  
Los Angeles, CA

P58  Intranasal Vaccination of Infant Mice Induces Protective Immunity in the Absence of Nasal-Associated Lymphoid Tissue  
Albert Sabirov Albert_Sabirov@urmc.rochester.edu  
Dennis Metzger  
University of Rochester School of Medicine and Dentistry, Rochester, NY

P59  EP2E(SPAG11): Inducible Beta-Defensin-Like Antimicrobial Innate Immune Molecules in the Human Middle Ear and Eustachian Tube  
Kiweon Cha kiweoncha@gmail.com  
Haa-Yung Lee, Sung Kyun Moon,  
Raekil Park, Karen Teufert, Huiqi Pan, Shuji Ohcho, Tamotsu Takeshita, Jun Shimada, Fredrick Linthicum, Ali Andalibi, David Lim  
University of Ulsan, Ulsan, Korea
P60 Pseudomonas Aeruginosa Lipopolysaccharide-Mediated Osteoclastogenesis, an MyD88-And Toll-Like Receptor 4 - Dependent Process
Robert Nason
nasonrn@ent.wustl.edu
Richard A. Chole
Washington University School of Medicine, Saint Louis, MO

SEQUELAE/COMPLICATIONS

P61 Quality of Life and Psycho-Social Development in Children with O.M.E.
Desiderio Passali passali@unisi.it
University of Siena Medical School, Siena, Italy

P62 Tympanic Membrane Closure (TMC) After Tympanocentesis
Alberto Leiberman albertoleib@gmail.com
Youval Slovic, Simon Raiz, Marc Puterman, Ron Dagan, Eugene Leibovitz
Ben Gurion University of the Negev, Beer Sheva, Israel

P63 International Differences in Reported Hearing Difficulties in OME for a Given HL: Use of Tympanometric/audiometric Relation and Bias-Adjustment to Overcome These in the International Standardisation of OM8-30 and Its Two Measures of Impact.
Paola Marchisio paola.marchisio@unimi.it
Lorenzo Pignataro, Elisabetta Zocconi, Domenico Grasso, Mark Haggard, Helen Spencer
University of Milan, Fondazione IRCCS Ospedale Maggiore Policlinico, Mangiagalli E Regina Elena, Milan, Italy

P64 Classification of Posterior Pars Tensa Retraction
Mirko Tos mirko.tos@dadlnet.dk
Per Caye-Thomasen
Gentofte University Hospital of Copenhagen, DK-2900 Hellerup, Denmark
P65 Tympanostomy Tube Sequelae in Children with Otitis Media
M. Beatriz Rotta Pereira
mpereira.voy@terra.com.br
Denise Rotta Ruttkay Pereira, Sady Selaimen Costa
Universidade Federal Do Rio Grande Do Sul, Porto Alegre, RS, Brazil

P66 Case-Control Study of Chronic/recurrent Otitis Media Sequelae
Kathleen Daly dalvx002@umn.edu
Miranda Marion, Bruce Lindgren, Stephen Rich
University of Minnesota, Minneapolis, MN.

P67 Taste Damage from Tonsillectomy or Otitis Media May Lead to Overweight Children: the U.S. National Health Examination Surveys (NHES), 1963-1970
Howard J. Hoffman
hoffmanh@nidcd.nih.gov
Katalin G. Losonczy, Linda M. Bartoshuk, John H. Himes, Derek J. Snyder, Valerie B. Duffy
NIDCD, NIH, Bethesda, MD

TREATMENT

P68 Effects of TNF Antagonist, PAF Antagonist and NOS Inhibitor on Experimental Otitis Media with Effusion
Dong-Hyun Kim
monolithkim@catholic.ac.kr
Yong-Soo Park, Eun-Ju Jeon, Sang-Won Yeo, Ki-Hong Chang
Our Lady of Mercy Hospital, The Catholic University of Korea, Inchon, Korea

P69 Clinical Practice Guideline for Diagnosis and Management of Acute Otitis Media (AOM) in Children by Subcommittee on Management of Acute Otitis Media (Otological Society of Japan, Japan Society for Pediatric Otorhinolaryngology, Japan Society for Infectiou
Ken Kitamura
kitamura.oto@tmd.ac.jp
Haruo Takahashi
Tokyo Medical Dental School, Tokyo, Japan
P70 A Novel Peptide Inhibitor of Middle Ear Inflammation in Experimental Otitis Media
Steven Hefeneider hefeneid@ohsu.edu
Carol MacArthur, Dennis Trune, Sharon McCoy
Oregon Health and Science University and Targeted Gene Delivery, Inc., Portland, OR

P71 Ribosomal Therapy in the Treatment of Otitis Media with Effusion in Children Affected by Chronic Adenoiditis
Renzo Mora renzomora@libero.it
Francesco Mora, Massimo Dellepiane, Barbara Crippa, Angelo Salami
University of Genoa, Genoa, Italy

P72 Otological Flogosis and Intradermal Injection
Marina Savastano marina.savastano@unipd.it
Silvia Ferraro
University of Padova, Padova, Italy

P73 Clinical Effectiveness of Ototopical Application of Mupirocin Ointment in the MRSA-Infected Ear
Katsuhisa Ikeda ike@med.juntendo.ac.jp
Masayuki Furukawa, Akira Minekawa, Takuo Haruyama, Yuya Narui
Juntendo University School of Medicine, Bunkyo-Ku, Tokyo, Japan

P74 Results of Simple Myringoplasty with Fibrin Glue
Masayuki Furukawa mfuru@med.juntendo.ac.jp
Yuya Narui, Takuo Haruyama, Gen Sugita, Akira Minekawa, Takashi lizuka, Katsuhisa Ikeda
Juntendo University, Bunkyo-Ku, Tokyo, Japan

P75 Tissue Engineered Mastoid Air Cell Plasty for Intractable Otitis Media
Shin-Ichi Kanemaru kanemaru@ent.kuhp.kyoto-u.ac.jp
Hiroo Umeda, Masaru Yamashita, Harukazu Hiraumi, Juichi Ito
Kyoto University, Kyoto, Japan
P76  Effect of Endoscopic Microdebrider-Assisted Adenoidectomy on Tympanometry of Secretory Otitis Media
Takuo Haruyama  tharuyama@med.juntendo.ac.jp
Toru Yao, Masayuki Furukawa, Katsuhisa Ikeda
Juntendo University School of Medicine, Bunkyo-Ku, Tokyo, Japan

P77  Study Designs for Acute Otitis Media Clinical Trials
Michael Pichichero  michael_pichichero@urmc.rochester.edu
Janet Casey
University of Rochester School of Medicine, Rochester, NY

P78  Effective of the New Medical Treatment of Patulous Eustachian Tube(PET): Preliminary Studies of Treating PET with Adenosine 5'-Triphosphate(ATP) And/or Kamikihito,a Japanese Kampo-Medicine
Takehiro Matsuda  matsutake47@yahoo.co.jp
Masahiro Morita, Naoyuki Kohno
Kyorin University School of Medicine, Mitaka, Tokyo, Japan

P79  Effects of an Artificial Eustachian Tube on Diseases in the Middle Ear Due to Tubal Dysfunction
Masahiro Morita  morita1133@m.email.ne.jp
Naoyuki Kohno, Tomoko Tsutsumi, Takehiro Matsuda, Yasuhioko Takei
Kyorin University School of Medicine, Mitaka, Tokyo, Japan

P80  Systematic Review of the Role of Tympanostomy Tubes (Grommets) in the Management of Recurrent Acute Otitis Media and Otitis Media with Effusion
A. Bylander-Groth  groth.medical@telia.com
The Swedish Council on Technology Assessment in Health, Stockholm, Sweden
Author Index
(Indexed by Abstract Number)

Abe, Nobuyuki................................................................. PS20
Abe, Yusuke......................................................... A20, A21, PS12
Acopyan, Arsen......................................................... P48
Adams, Leanne................................................................. P53
Akinpelu, Olubunmi ......................................................... A12
Albers, Frans........................................................................ PS09
Allen, Stanley............................................................ A22, B29
Alles, Roshini................................................................. A09
Alper, Cuneyt M. .................................................... A01, A19, B07, B13
Andalibi, Ali .................................................................. B15, B16, P25
Ar, Amos ............................................................................. PS08
Arai, Jun................................. A26, B16, B17
Azadani, Peyman Nejatbakhsh................................. A35
Baggi, Elena................................................................. A02
Bakaletz, Lauren ....................................................... B09, MS14, P24, P53, PS04, P15
Banks, Juliane............................................................... A26, B16, B17
Barenkamp, Stephen .............................................. PS13
Barsic, Mark..................................................................... A26, B14
Bartoshuk, Linda M.................................................. A07, P67
Bentdal, Yngvild............................................................. A08, A11
Berggren, Diana................................................................. B20
Billal, Dewan................................................................. B05, B32, P09, P10
Bloomberg, Guido......................................................... A03, PS10
Bluestone, Charles D..................................................... MS15
Bonding, Per..................................................................... B24
Boström, K. Bengtsson...................................................... P80
Bouchet, Valérie................................................................. MS06, PS19
Briles, David..................................................................... B03, P09
Brown, Steve................................................................. A24, LP05, P43, P44
Bruggeman, Molly............................................................. P24
Burrows, Amy................................................................. A18
Bylander-Groth, A.......................................................... P80
Byun, Jae Yong................................................................ P51, P52
Casey, Janet..................................................................... B04, P14, P77
Cassano, Pasquale............................................................. A32
Casselbrant, Margaretha L............................................ A06, A19, PS07
Cattanach, Marie-Lys..................................................... A06
Caye-Thomasen, Per....................................................... B24, P64
Cha, Chang II................................................................. P17, P51, P52
Cha, Kiweon................................................................. P59
Chan, Kenny H................................................................. B29
Chandler, Stephanie............................................................... A14
Chang, Ki-Hong............................................................... P68
Chang, Mary M. J.............................................................. MS03
Chen, Huaqing................................................................. B02
Chen, Yin................................................................. MS03
Chi, David................................................................. B13
Chiu, May S................................................................. A10
Chole, Richard A.............................................................. P60
Chonmaitree, Tasnee.................................................... A14, A17, A30, B01, P12, PS02
Choung, Yun-Hoon............................................................. P28
Christensen, Lisa.............................................................. P27
Clarke, Jodie....................................................................... PS17
Clayton, Edwin................................................................. LP01
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coates, Harvey</td>
<td>B06, P49</td>
</tr>
<tr>
<td>Costa, Sady Selaïmen</td>
<td>P65</td>
</tr>
<tr>
<td>Coticchia, James M.</td>
<td>P27</td>
</tr>
<tr>
<td>Craig, Jonathan</td>
<td>A13</td>
</tr>
<tr>
<td>Crapko, Matthew</td>
<td>B30</td>
</tr>
<tr>
<td>Cripa, Barbara</td>
<td>P71</td>
</tr>
<tr>
<td>Cripps, Allan W.</td>
<td>PS03, PS17</td>
</tr>
<tr>
<td>Cureoglu, Sebahattin</td>
<td>P36</td>
</tr>
<tr>
<td>Dagan, Ron</td>
<td>A05, P13, P62, PS08</td>
</tr>
<tr>
<td>Daly, Kathleen</td>
<td>A07, A16, P66</td>
</tr>
<tr>
<td>Daniel, Mat</td>
<td>B27</td>
</tr>
<tr>
<td>Davey, Cynthia</td>
<td>A07</td>
</tr>
<tr>
<td>Dellepiane, Massimo</td>
<td>P71</td>
</tr>
<tr>
<td>DeMaria, Thomas F.</td>
<td>P26</td>
</tr>
<tr>
<td>Dew, Lauren</td>
<td>P27</td>
</tr>
<tr>
<td>Dobbs, Laura</td>
<td>A30</td>
</tr>
<tr>
<td>Dohar, Joseph</td>
<td>A26, B14, B33</td>
</tr>
<tr>
<td>Dorup, Jens</td>
<td>P03</td>
</tr>
<tr>
<td>Doyle, William J</td>
<td>A01, A19, B07, B15, B16, P25, P38</td>
</tr>
<tr>
<td>Drijfhout, Jan Wouter</td>
<td>PS10</td>
</tr>
<tr>
<td>Drozdziejew, Dominika</td>
<td>B24</td>
</tr>
<tr>
<td>Du, Li Lin</td>
<td>P50</td>
</tr>
<tr>
<td>Duffy, Valerie B.</td>
<td>P67</td>
</tr>
<tr>
<td>Ebmeyer, Joerg</td>
<td>P47</td>
</tr>
<tr>
<td>Eckerlund, I.</td>
<td>P80</td>
</tr>
<tr>
<td>Ehrlich, Garth</td>
<td>MS10, MS15</td>
</tr>
<tr>
<td>Eriksson, Per-Olof</td>
<td>A26, B20, P35</td>
</tr>
<tr>
<td>Fall, Patricia</td>
<td>PS07</td>
</tr>
<tr>
<td>Feng, Ling</td>
<td>B08</td>
</tr>
<tr>
<td>Ferraro, Silvia</td>
<td>P72</td>
</tr>
<tr>
<td>Ferrieri, Patricia</td>
<td>P36</td>
</tr>
<tr>
<td>Figueira, Marisol</td>
<td>MS06, PS05</td>
</tr>
<tr>
<td>Florea, Andrew</td>
<td>A22</td>
</tr>
<tr>
<td>Foglé-Hansson, Margareth</td>
<td>MS07</td>
</tr>
<tr>
<td>Forsgren, Anne</td>
<td>PS17</td>
</tr>
<tr>
<td>Foxwell, A. Ruth</td>
<td>A22, B29</td>
</tr>
<tr>
<td>French, J. Courtney</td>
<td>PS10</td>
</tr>
<tr>
<td>Frijns, Johan</td>
<td>P49</td>
</tr>
<tr>
<td>Fuery, Angela</td>
<td>P49</td>
</tr>
<tr>
<td>Fujihara, Keiji</td>
<td>B05, B32, P42</td>
</tr>
<tr>
<td>Fujihashi, Kohtaro</td>
<td>PS14</td>
</tr>
<tr>
<td>Fukudome, Shinji</td>
<td>B08</td>
</tr>
<tr>
<td>Fukuiwa, Tatsuya</td>
<td>PS14, FS16</td>
</tr>
<tr>
<td>Fukuyama, Satoshi</td>
<td>PS16, PS21</td>
</tr>
<tr>
<td>Fukuyama, Takayoshi</td>
<td>P42</td>
</tr>
<tr>
<td>Funaki, Toshinari</td>
<td>P18, P19</td>
</tr>
<tr>
<td>Furukawa, Masayuki</td>
<td>P73, P74, P76</td>
</tr>
<tr>
<td>Gannon, Mary M.</td>
<td>B27</td>
</tr>
<tr>
<td>Gellibolian, Robert</td>
<td>P48, P55, PS6, P57</td>
</tr>
<tr>
<td>Ghadiali, Samir</td>
<td>P39, SL03</td>
</tr>
<tr>
<td>Ghoujeghi, Aman</td>
<td>A35</td>
</tr>
<tr>
<td>Gilsdorf, Janet</td>
<td>MS13</td>
</tr>
<tr>
<td>Gisselsson-Sølén, Marie</td>
<td>B10</td>
</tr>
<tr>
<td>Givon-Lavi, Noga</td>
<td>P13, PS08</td>
</tr>
<tr>
<td>Goldstein, Richard</td>
<td>MS06, PS05, PS19</td>
</tr>
<tr>
<td>Goto, Yukiko</td>
<td>P16</td>
</tr>
<tr>
<td>Grady, James</td>
<td>A17, A30, PS02</td>
</tr>
<tr>
<td>Granath, Anna</td>
<td>B28</td>
</tr>
<tr>
<td>Grasso, Domenico</td>
<td>P63</td>
</tr>
<tr>
<td>Grote, Jan</td>
<td>A03, PS10</td>
</tr>
<tr>
<td>Gu, Xin-Xing</td>
<td>P15, P32</td>
</tr>
<tr>
<td>Gunasekera, Hasantha</td>
<td>A13</td>
</tr>
<tr>
<td>Gungor, Anil</td>
<td>P38</td>
</tr>
</tbody>
</table>
Olusesi, Abiodun..........................................................A20, A21, PS12
Otaka, Ryuki..........................................................A20, A21, PS12
Ouyang, Xiaomei..........................................................P50
Pagella, Fabio..........................................................A02
Pak, Kwang................................................................MS05, P21, P47
Pan, Huiqi..................................................................P55, P56, P59
Paparella, Michael..........................................................B19, P36
Park, Dong Choon..................................................P17, P51, P52
Park, Hun Yi..........................................................P28
Park, Jennifer..........................................................A10
Park, Keehyun..........................................................P28
Park, Raekil..........................................................P56, P59
Park, Seo Gwang..........................................................P23
Park, Seong Kook..................................................A22, A23, P23
Park, Yong-Soo..........................................................P68
Partida-Sanchez, Santiago........................................PS15
Passali, Desiderio..................................................A32, P61
Patel, Janak..........................................................A17, A30, B01, P02
Pelton, Stephen I..........................................................MS06, P05, P19
Pereira, Denise Rotta Ruttkay........................................P65
Pereira, M. Beatriz Rotta........................................P65
Perlegas, Peter..........................................................A16
Pettersson, A..........................................................P80
Pham, Tammy..........................................................A22, B29
Philpott, Carl..........................................................B27
Pichichero, Michael..................................................B04, GD04, P14, P77
Pignataro, Lorenzo..................................................P63
Post, Christopher...................................................MS15, MS16
Powers, John..........................................................SL02
Preciado, Diago......................................................B08
Principi, Nicola..........................................................A02
Prosser, Karen..........................................................B06
Puterman, Marc..........................................................A05, P62
Ragazzi, Monica..........................................................A02
Raiz, Simon..........................................................A05, P62
Ram, Sanjay..........................................................MS06, P05
Rebai, Krystal..........................................................A17, A30, B01, P12, P02
Reynolds, Ellen A..................................................A01, P25
Rich, Stephen..........................................................A16, P66
Richmond, Peter.....................................................B06, P49
Riesbeck, Kristian....................................................MS07
Rigby, Paul..............................................................B06
Rijkers, Ger.............................................................B23
Rimell, Frank...........................................................B08
Romero, Rosaro..........................................................P44
Rosenfeld, Richard.....................................................B26
Rovers, Maroeska....................................................B23, GD08, P09
Ruben, Robert..........................................................GD06, LP03
Ruckdeschel, Elizabeth.............................................P11
Ruven, Henk.............................................................B23
Ryan, Allen..........................................................LP04, MS05, P21, P47
Ryding, M.................................................................B08
Rynnel-Dagöö, Britta..................................................B28
Sabirov, Albert..........................................................P46, P58
Sabo, Diane.............................................................A06
Saito, Sekie...............................................................B32
Salami, Angelo..........................................................P71
Sale, Michele............................................................A16
Sanders, Elisabeth.....................................................B23, PS09
Sandstrom, Herbert....................................................P04
Satran, Robert..........................................................P13
Savastano, Marina..........................................................P72
Scadding, Glenis..........................................................A09
Schachern, Patricia....................................................B19, P36