***AMERICAN OTOLOGICAL SOCIETY***
***PRELIMINARY PROGRAM***
***159th Annual Meeting***
***April 24-25, 2026***
***Phoenix, AZ***

## FRIDAY, APRIL 24, 2026

**1:00 BUSINESS MEETING** and **NEW MEMBER INTRODUCTION**
*(Open to registered Members and Non-members - Badge required for admittance)*

**1:30 SCIENTIFIC PROGRAM**

**1:30 WELCOME & OPENING REMARKS BY THE PRESIDENT**
*Nancy M. Young, MD*

**1:32 PRESIDENTIAL CITATIONS**
*Karen I. Berliner, PhD*
*Kevin D. Brown, MD, PhD*
*Teresa H. Caraway, PhD*
*René H. Gifford, PhD*
*Ronna Hertzano, MD, PhD*
*Karen Iler Kirk, PhD*
*Debara L. Tucci, MD, MS, MBA*

**1:42 INTRODUCTION OF GUEST OF HONOR**
*Nancy M. Young, MD*

**1:44 GUEST OF HONOR LECTURE**
**Using Neural Data to Predict Language Development Across Populations of Children**
*Patrick C.M. Wong, PhD*
Director, Brain and Mind Institute
Professor of Cognitive Neuroscience & Linguistics
The Chinese University of Hong Kong

**2:24 SESSION A - ADVANCES IN COCHLEAR IMPLANTATION**
*David S. Haynes, MD, MMHC & Kenneth Lee, MD, PhD, Moderators*

**Influence of Cochlear Microanatomy on Hearing Preservation in Cochlear Implant Recipients**
*Elena Quinonez Del Cid, BS*
*Ashley Micuda, BSc*
*Margaret T. Dillon, AuD, PhD*
*Sumit Agrawal, MD*
*Hanif M. Ladak, PhD*
*Kevin D. Brown, MD, PhD*

**Hearing Preservation Across Different Electrode Arrays: Robotic Versus Manual Insertion**
*Carlos A. Perez-Heydrich, MD*
*Elena Quinonez Del Cid, BS*
*Margaret T. Dillon, AuD, PhD*
*A. Morgan Selleck, MD*
*Matthew M. Dedmon MD, PhD*
*Kevin D. Brown MD, PhD*
*Nicholas J. Thompson, MD*

**Iowa CI Trauma Tool: A Deep Learning Approach to Cochlear Implant Trauma Assessment from CT scans**
*Aseem Jain, MD, MSE*
*Nicholas George-Jones, MD*
*Rachel Scheperle, AuD, PhD*
*Joshua Pinzour, BS*
*Marlan Hansen, MD*
*Alexander Claussen, MD*

**Comparing Low-Frequency Threshold Functions of Intracochlear Electrocochleography and Perioperative Pure Tone Audiometry**
*Jordan J. Varghese, MD, MSCI*
*Amit Walia, MD, MSCI*
*Matthew A. Shew, MD*
*Amanda J. Ortmann, PhD*
*Nedim Durakovic, MD*
*Jacques A. Herzog, MD*
*Craig A. Buchman, MD*

**2:47 DISCUSSION with MODERATORS**

**2:51 BREAK WITH EXHIBITORS**

**3:21 EXPERT PRESENTATION**
*Introduction by Moderator, Anil K. Lalwani, MD*
**Supporting Innovation in Human Temporal Bone Research**
*Debara L. Tucci MD, MS, MBA*

**3:31 SESSION B - HUMAN TEMPORAL BONE RESEARCH: BRIDGING BASIC SCIENCE & CLINICAL PRACTICE**
*Aaron C. Moberly, MD, PhD & Wade W. Chien, MD, Moderators*

**Whole Genome Sequencing of Archival Human Temporal Bones – Identification and Characterization of the DFNA17 Mutation**
*Adam Y. Xiao, MD, PhD*
*Achilles Kanaris, BS*
*Shin-ya Nishio, MD*
*Shin-ichi Usami, MD*
*Ivan A. Lopez, PhD*
*Gail Ishiyama, MD*
*Akira Ishiyama, MD*

**Macrophage and Schwann Cell Alterations in Sudden Sensorineural Hearing Loss: Insights from Human Temporal Bones**
*Drew J. Montigny BS*
*Soomin Myoung BS*
*Andrew M. Jung BS*
*Alex J. Lim*
*Jennifer O'Malley BA*
*Andreas Eckhard MD*
*Alicia Quesnel MD*
*Judith S. Kempfle MD*

**Histopathological Considerations for Indication of Cochlear Implant for Patients with Vestibular Schwannoma**
*Shinya Ohira, MD, PhD*
*Ivan Lopez, PhD*
*Maya Harary, MD*
*Maureen Laufer, AuD*
*Gail Ishiyama, MD*
*Gregory P. Lekovic, MD*
*Akira Ishiyama, MD*

**Histopathologic Diversity in Idiopathic Sudden Sensorineural Hearing Loss: A Multi-Institutional Temporal Bone Study**
*Diana M. Correa, MD*
*Michael S. Castle, MD*
*Rafael da Costa Monsanto, MD PhD*
*Abbie K. Hall, BS*
*Ivan A. López, PhD*
*William H. Slattery, MD*
*Sebahattin Cureoglu, MD*
*Meredith E. Adams, MD MS*
*Akira Ishiyama, MD*
*Alicia M. Quesnel, MD*

**Peri-Insertional Cochlear Implant Electrode Forces for Manual Versus Rigidly-Fixed and Handheld Robotic Insertion**
*Maxwell Bergman, MD*
*Nathan Kemper, MD*
*Constantinos Nikou*
*Zachary Urdang, MD PhD*
*Alexander Claussen, MD*
*Bruce J. Gantz, MD*
*Marlan R. Hansen, MD*

**Real-time Intracochlear Distance Sensing and Navigation using Optical Coherence Tomography**
*Pawina Jiramongkolchai, MD*
*Senyue Hao, BS*
*Ratul Paul, PhD*

*AJ Adkins, MS*
*Jacques Herzog, MD*
*Craig Buchman, MD*
*Chao Zhou PhD*

**4:05 DISCUSSION with MODERATORS**

**4:10 ANNOUNCEMENT OF AOS and ANS POSTER PRESENTATION WINNERS**
*Bradley Kesser, MD - AOS Education Director*
*Christine Dinh, MD - ANS Education Director*

**4:13 EXPERT PRESENTATION**
*Introduction by Maura K. Cosetti, MD*
**Cellular-level Imaging of the Inner Ear**
*Konstantina M. Stankovic, MD, PhD*

**4:26 PANEL**
**Can Today's MRI Technology Transform Cholesteatoma Clinical Practice?**
*Andrea Vambutas, MD, Moderator*
*Nikolas H. Blevins, MD*
*Maura E. Ryan, MD*
*Brandon Isaacson, MD*
*Samantha Anne, MD, MS*

**5:06 CLOSING REMARKS/ADJOURN**
*Nancy M. Young, MD*

**5:15 AOS MEMBER PHOTOGRAPH**

**5:30 MEET THE AUTHORS POSTER RECEPTION** *(CONVENTION CENTER)*
*AOS, ANS, ARS & ASPO*

**6:00 WiN RECEPTION (WOMEN IN NEUROTOLOGY)** *(SHERATON)*

**7:00 ANS PRESIDENT'S RECEPTION** *(SHERATON)*

## SATURDAY, APRIL 25, 2026

**7:00 BUSINESS MEETING** *including Committee Reports*
*(All welcome – Coffee, tea and continental breakfast for all registered AOS attendees)*

**7:30 SCIENTIFIC PROGRAM**
*(Open to registered Members and Non-members – Badge required for admittance)*

**7:30 WELCOME & OPENING REMARKS BY THE PRESIDENT**
*Nancy M. Young, MD*

**7:32 INTRODUCTION OF CLINICIAN SCIENTIST AWARD LECTURE**
*David M. Kaylie, MD, MS, Moderator*

**Spatiotemporal Dynamics and Mechanism of Intracochlear Fibrosis & Neo-ossification after Cochlear Implantation**
*Alexander D. Claussen, MD*
*University of Iowa*
*AOS Clinician Scientist Award Recipient, 2023-2025*

**7:40 DISCUSSION with MODERATOR**

**7:42 SESSION C - A MIDDLE & MASTOID MATTERS: REGENERATION, CHOLESTEATOMA & FACIAL NERVE MONITORING**
*Erika Woodson, MD & Soha Ghossaini, MD, Moderators*

**Randomized Double-Blinded Placebo-Controlled Clinical Trial of In-Office Regeneration of Chronic Tympanic Membrane Perforations: Preliminary Results**
*David R. Friedmann, MD, MSc*
*Ashley Feng, BS*
*Emmanuel Garcia-Morales, PhD*
*Victoria Lancaster, RN*
*Daniel Jethanamest, MD*
*J. Thomas Roland Jr., MD*

**Efficacy of Tympanic Membrane Regeneration Therapy for Secondary Cholesteatoma with Tympanic Membrane Perforation**
*Shin-ichi Kanemaru, MD, PhD*
*Tomoya Yamaguchi, MD*
*Rie Kanai, MD*
*Eriko Otonari, MD*
*Maki Yamasoba, MD*
*Yuki Fujii, MD*
*Toshiki Maetani, MD, PhD*

**Single-Cell RNA Sequencing Reveals Heterogeneity and Cell-Cell Interactions of Cholesteatoma Keratinocytes**
*Daniel R. Romano, MD*
*Song-Zhe Li, MD, PhD*
*Richard A. Chole, MD, PhD*
*Michael Hoa, MD*
*Sidharth V. Puram, MD, PhD*
*Keiko Hirose, MD*

**Cost of Facial Nerve Monitoring**
*Sammy Y. Gao, BS*
*Warren B. Chun, MD*
*Tyler M. Rist, MD*
*Robert F. Labadie MD, PhD*

**8:05 DISCUSSON with MODERATORS**

**8:09 SESSION D - NEW APPROACHES & FINDINGS TO ADVANCE MANAGEMENT OF AUDIOVESTIBULAR DISEASE**

*Christina Runge, PhD & Michael Hoa, MD, Moderators*

**Machine Learning Identification of Hearing Loss from Natural Speech**
*Peter R. Dixon, MD, MSc*
*Paul Heider PhD*
*Carl Ehrett PhD*
*Theodore R. McRackan, MD*
*Judy R. Dubno, PhD*
*Leslie A. Lenert, MD, MS*

**Electron Microscopy of Otoconia in a Hypercalcemic Mouse Model**
*Andriy O. Grynyk, BS*
*Callie S. Burke, BS*
*Richard Pellegrino, MS*
*Jessia Costa, DMD, PhD*
*Andrew Arnold, MD*
*Kourosh Parham, MD, PhD*

**Kinematic Methods for Identification of Moderate Vestibular Loss**
*Morgan A. Terry, MD*
*Hannah R. Smith, BS*
*Camellia K. Liu, BS*
*Daniel B. Putterman, AuD*
*Jae W. Lee, PhD*
*Timothy E. Hullar, MD*
*Angela C. Garinis, PhD*

**Cognitive Performance Differs Among Adults with Unilateral Audiovestibular Disorders: A Pilot Study**
*Maura K. Cosetti, MD*
*Carly Feist, BA*
*Liraz Aire, PhD*
*Jen Kelly, DPT*
*Anat Lubetzky, PT, PhD*

**Surgical Treatments Decrease the Association Between CHL Pathologies and Depression in the All of Us Research Program**
*Hannah N. W. Weinstein, BA*
*S. Dillon Powell, ME (Presenter)*
*Ramzi K. Elased, BA*
*Lauren H. Tucker, MD*
*Justin S. Golub, MD, MS*

**8:38 DISCUSSION with MODERATORS**

**8:42 INTRODUCTION OF SAUMIL N. MERCHANT MEMORIAL LECTURE**
*Nancy M. Young, MD*

**8:44 SAUMIL N. MERCHANT MEMORIAL LECTURE**
**Hearing in High Definition: Cochlear Implants and Gene Therapy Unplugged**

*Catherine Birman, OAM, MBBS, PhD FRACS*
Clinical Professor, Sydney University Faculty of Medicine and Health
Macquarie University Faculty of Medicine and Health Sciences
Children's Hospital at Westmead, Sydney, Australia
Royal Prince Alfred Hospital & Macquarie University Hospital, Sydney, Australia
NextSense, Sydney, Australia

**9:24 EXPERT PRESENTATION**
*Introduction by Yuri Agrawal, MD, MPH*
**HearGene Connect Registry for Personalized Healthcare**
*Ronna Hertzano, MD, PhD*

**9:39 DISCUSSION with MODERATOR**

**9:42 BREAK WITH EXHIBITORS**

**10:12 EXPERT PRESENTATION**
*Introduction by Richard K. Gurgel, MD, MSCI*
**Imaging Imagination: Musical Creativity & the Brain**
*Charles Limb, MD*

**10:29 DISCUSSION with MODERATOR**

**10:32 SESSION E - COCHLEAR IMPLANTATION - OUTCOMES & ACCESS**
*Sharon L. Cushing, MD, MSc & Daniel Zeitler, MD, Moderators*

**Timing of Cochlear Implantation Influences Neuropsychiatric Outcomes in Sensorineural Hearing Loss**
*Atri Bhattacharyya, BA*
*Judith S. Kempfle, MD*

**Tinnitus Improvement Predicts Domain-Specific Quality of Life Gains after Cochlear Implantation**
*Sophia Chehade, BS*
*Tamara Mijovic, MD*
*Emily Kay-Rivest, MD*

**Temporal and Spectral Contributions to Music Perception Among Hearing-Assistive Device Users**
*Emmeline Y. Lin, BS*
*Brooke Barry, BS, BA*
*Patpong Jiradejvong, MS*
*Karen C. Barrett, PhD*
*Nicole T. Jiam, MD*

**Downstream Effects of Regulatory and Reimbursement Expansion on Cochlear Implantation: A 2012-2024 Medicare Analysis**
*Akshay Warrier, BA*
*Ryan Bartholomew, MD*
*Liliya Benchetrit, MD*

*Daniel J. Lee, MD*

**Binaural Hearing and Language Development after Cochlear Implantation in Children with Congenital Single-Sided Deafness**
*Piotr H. Skarzynski, MD, PhD, MSc*
*Dorota Pastuszak, MSc*
*Anita Obrycka, PhD*
*Artur Lorens, Prof*
*Anna Ratuszniak, PhD*
*Henryk Skarzynski, Prof*

**Spoken Language Outcomes after Early Cochlear Implantation in a Diverse, Multi-Institutional Cohort of Congenitally Deaf Children**
*Evan J. Patel, MD*
*Samantha Anne, MD*
*Daniela Carvalho, MD*
*Laura Covello, MA, CCC-A*
*Jason Park, MD, PhD*
*Patricia Yoon, MD*
*Dylan K. Chan, MD, PhD*

**11:06 DISCUSSION with MODERATORS**

**11:10 PANEL**
**Beyond the OR - Multidisciplinary Care to Improve CI Outcomes**
*Nancy M. Young, MD, Moderator*
*Kevin D. Brown, MD, PhD*
*René H. Gifford, PhD*
*Jace Wolfe, PhD*

**11:55 INTRODUCTION OF INCOMING PRESIDENT**
*Nikolas H. Blevins, MD*

**CLOSING REMARKS**
*Nancy M. Young, MD*

**12:00 ADJOURN**

**6:00 AOS PRESIDENT'S RECEPTION & BANQUET** *(MEMBERS & INVITED GUESTS ONLY)*
*Advance ticket purchase required on the AOS website*