



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 DISCUSSION 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

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 Warriar, 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 Pastuszek, 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

Camille Dunn, PhD

Jace Wolfe, PhD

11:55 INTRODUCTION OF INCOMING PRESIDENT

Nikolas H. Blevins, MD

CLOSING REMARKS

Nancy M. Young, MD

12:00 ADJOURN