

AMERICAN OTOLOGICAL SOCIETY
158th ANNUAL MEETING
SCIENTIFIC PROGRAM
May 17-18, 2025
New Orleans, LA
(AOS Posters will be displayed on Friday & Saturday)

SATURDAY, MAY 17, 2025

- 1:00 BUSINESS MEETING and NEW MEMBER INTRODUCTION**
(All registered attendees welcome)
- 1:25 SCIENTIFIC PROGRAM**
(Open to registered Members and Non-members – Badge required for admittance)
- 1:25 WELCOME & OPENING REMARKS BY THE PRESIDENT**
William H. Slattery, III, MD
- 1:27 PRESIDENTIAL CITATIONS**
Derald E. Brackmann, MD
Sujana S. Chandrasekhar, MD
M. Jennifer Derebery, MD
John W. House, MD
William M. Luxford, MD
Rodney Perkins, MD
Noli Fortugaleza
- 1:37 INTRODUCTION OF GUEST OF HONOR**
William H. Slattery, III, MD
- 1:39 GUEST OF HONOR LECTURE**
Regenerating Auditory Nerves: Basic Science to Clinical Trials
Prof Marcelo N. Rivolta
Professor of Sensory Stem Cell Biology
Centre for Stem Cell Biology, School of Biosciences
University of Sheffield
United Kingdom
- 2:24 SESSION A – COCHLEAR IMPLANTS I**
Kevin D. Brown, MD, PhD & Stephanie A. Moody Antonio, MD, Moderators
- 2:25 Cochlear Reimplantations Following Device Dysfunction: A Retrospective Cohort Study**
Mélyssa Fortin, MD
Richard Bussi res, MD
Mathieu C t , MD
Daniel Philippon, MD, DMD
Sandra Fortin, MPA

Mathieu Trudel, MD

2:31 Does Early Tinnitus Improvement Influence Long-Term Quality of Life in Cochlear Implant Recipients?

Barak M. Spector, BS

Katelyn A. Berg, AuD, PhD

David S. Haynes, MD, MMHC

Terrin N. Tamati, PhD

Aaron C. Moberly, MD

2:37 Optimizing Cochlear Implant Activation: A Prospective Patient-Preference Study

Arman Saeedi, MD, MPH

Mihai A. Bentan, BS

Albina Islam, MD

Nauman F. Manzoor

Daniel H. Coelho, MD

2:43 High-Resolution Flat-panel CT Analysis of Cochlear Implant Electrode Contact Orientation

Ana Marija Sola, MD

Nicole Jiam, MD

Melanie Gilbert, AuD

Luke Helpard, PhD

Charles J. Limb, MD

2:49 Pre-Curved Versus Straight Arrays for Hearing Preservation in Cochlear Implantation: A Systematic Review and Meta-Analyses

David Elisha, BS

Nicholas DiStefano, BS

Rahul Mittal, PhD

Andrea Monterrubio, BS

Jeenu Mittal, MSc

Adrien Eshraghi, MD

2:55 DISCUSSION WITH MODERATOR

3:00 BREAK WITH EXHIBITORS

3:30 THE BIG EASY: LOCAL EXPERT PRESENTATION

Introduction by Moises A. Arriaga, MD, MBA

Ushers Disease: Diagnosis and New Treatment Options

Jennifer J. Lentz, PhD

Associate Professor of Otorhinolaryngology & Biocommunications and Neuroscience

Adjunct Associate Professor of Ophthalmology

LSU Health New Orleans

4:00 SESSION B - CHRONIC OTITIS MEDIA

Matthew L. Bush, MD, PhD and Ana H. Kim, MD, Moderators

- 4:01 Outcomes of Tympanic Membrane Regeneration Therapy for Elderly Patients**
Rie Kanai, MD
Shin-ichi Kanemaru, MD, PhD
Tomoya Yamaguchi, MD
Ryohei Yuki, MD
Razumu Shirai, MD
Hiroyuki Harada, MD
Toshiki Maetani, MD, PhD
- 4:07 Tympanoplasty Outcomes of Indigenous Populations**
Catherine F. Roy, MD
Jeffrey C. Yeung, MD, MSc
Lamiae Hindi, MD
Tamara Mijovic, MD, MSc
- 4:13 Comparing Pediatric and Adult Chronic Otitis Media with Cholesteatoma at the Single-Cell Level**
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
- 4:19 Does Mastoid and Epitympanic Obliteration with S53P4 Bioactive Glass Reduce Cholesteatoma Recidivism in Canal-Wall-Up Surgeries? A Retrospective Clinical Study**
Daniele Bernardeschi, MD, PhD
Hugo Delille, MD
Matteo Di Bari, MD
Olivier Sterkers, MD, PhD
Ghizlene Lahlou, MD, PhD
Lauranne Alciato, MD
- 4:25 Meningitis and Temporal Bone Pathology - A Diagnostic Recommendation**
Ava Karam, BS
Frank Rizzuto, BS
LTC Isaac Erbele, MD
Julio Figueroa, MD
Rahul Mehta, MD
Moises A. Arriaga, MD, MBA
- 4:31 DISCUSSION WITH MODERATOR**
- 4:36 INTRODUCTION of PANEL – William H. Slattery, III, MD**
- 4:37 PANEL**
INNER EAR IMAGING: STATE OF THE ART
 - Photon-counting CT scanners

- Intravenous versus intratympanic gadolinium injections
- Endolymph/perilymph imaging
- Advances in inner ear imaging

Yu-Lan Mary Ying, MD, Moderator

Akira Ishiyama, MD

John S. Oghalai, MD

Hideko Heidi Nakajima, MD, PhD

Bryan Ward, MD

5:07 CLOSING REMARKS/ADJOURNMENT

William H. Slattery, III, MD

5:15 ANNUAL AOS MEMBER PHOTOGRAPH - CELESTIN BALLROOM F

SUNDAY, MAY 18, 2025

7:00 BUSINESS MEETING (*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

William H. Slattery, III, MD

7:31 SESSION C - COCHLEAR IMPLANTS II

Sharon L. Cushing, MD, MSc & Daniel M. Zeitler, MD, Moderators

RESIDENT RESEARCH AWARD

7:32 Retrospective Comparison of Hearing Preservation Outcomes Following Robotic-Assisted and Manual Cochlear Implantation

Ilana Yellin, MD

Nathan Jacob, BS

Michael Seidman, MD

Ariel Brownlee, AuD

7:38 A Within-Subject Comparison of Hearing Preservation Outcomes for Bilateral Cochlear Implant Recipients

Michael W. Canfarotta, MD

Ankita Patro, MD, MS

Aaron C. Moberly, MD

Marc L. Bennett, MD

Jourdan T. Holder, AuD, PhD

David S. Haynes, MD

Elizabeth L. Perkins, MD

7:44 Speech Discrimination Outcomes in Patients with Perimodiolar vs Lateral Wall Cochlear

Implant Arrays: A Systematic Review and Meta-Analysis

David Octeau, MD

Lacey Cantrell, MD

Molly Smeal, AuD

Mary Schleider, RN, MLIS

Samantha Anne, MD

Edward Doyle, MD

Mark Bassim, MD

RESIDENT RESEARCH AWARD

7:50 Cochlear Implant Insertion Trauma is Associated with Spiral Ganglion Neuron "Dead Zones" in the Human

Liliya Benchetrit, MD

Christopher K. Giardina, MD, PhD

Abbie K. Hall, BS

Anbuselvan Dharmarajan, MD, MPH

Julie G. Arenberg, PhD

Alicia M. Quesnel, MD

7:56 Postoperative Outcomes with Bimodal Hearing and Bilateral Cochlear Implantation in the Elderly

William G. Cohen, MD

Ankita Patro, MD, MS

Michael W. Canfarotta, MD

Natalie Schauwecker, MD

Jourdan Holder, AuD, PhD

David S. Haynes, MD, MMHC

Elizabeth L. Perkins, MD

8:02 DISCUSSION WITH MODERATOR

8:07 SESSION D – SENSORINEURAL HEARING LOSS

Keiko Hirose, MD & Ravi N. Samy, MD, Moderators

8:08 GLP1 Agonist Treatment in Metabolic Syndrome Improves Hearing Outcomes - A Multi-National Database Study

Emily E. Belding, BA, MMS

Zachary D. Urdang, MD, PhD

Peter Eckard, BS

Marlan R. Hansen, MD

Douglas Bennion, MD, PhD

Alexander Claussen, MD

8:14 Enhancing Early Detection: Evaluating Targeted Screening for Congenital Cytomegalovirus in Newborns

Peter Kfoury, MD

Megna D. Reddy, BS

Albert H. Park, MD

8:20 Clinical Development of AK-OTOF Gene Therapy for OTOF-Mediated Hearing Loss

Marlan R. Hansen, MD

Chen-Chi Wu, MD

John A. Germiller, MD, PhD

8:26 A Novel Transcanal Catheter for Delivery of Hypothermia to the Inner Ear

Maria F. Yepes, MD

Pavan S. Krishnan, MD

Aparna Govindan, MD

Curtis King, MS

Simon I. Angeli, MD

Suhrud M. Rajguru, PhD

8:32 DISCUSSION WITH MODERATOR

8:37 INTRODUCTION OF SAUMIL N. MERCHANT MEMORIAL LECTURE

William H. Slattery, III, MD

8:39 SAUMIL N. MERCHANT MEMORIAL LECTURE

Extracellular Vesicles and Treatment of Hearing Loss

Hinrich Staecker, MD, PhD

David and Mary Zamierowsky Endowed Professor

Professor, Otolaryngology-Head and Neck Surgery

University of Kansas School of Medicine

Kansas City, KS

9:09 INTRODUCTION of PANEL – William H. Slattery, III, MD

9:10 PANEL

THE SOUND OF SILENCE: A COMPREHENSIVE DISCUSSION ON NOISE-INDUCED HEARING LOSS

- Incidence and cause of noise induced hearing loss.
- Pathophysiology of noise induced hearing loss.
- Guidelines for measuring noise, OSHA versus NIOSH
- Types of hearing protection, including gun suppressors
- Treatment of noise induced hearing loss

Matthew L. Bush, MD, PhD & Quyen Nguyen, MD, PhD, Co-Moderators

Anne Morgan Selleck, MD

Hamid Djalilian, MD

Isaac D. Erbele, MD

9:40 MID-MORNING BREAK

10:05 SESSION E - OTOSCLEROSIS, MENIERE'S DISEASE & VESTIBULAR SCHWANNOMA

Gregory J. Basura, MD, PhD & Soha N. Ghossaini, MD, Moderators

10:06 Risk Factors Associated with Otosclerosis: A National Database Study

Prithwijit Roychowdhury, MD
Miriam Smetak, MD
Matthew Shew, MD
Jacques Herzog, MD
Craig Buchman, MD
Nedim Durakovic, MD

10:12 Evaluating the Necessity of Preoperative CT Imaging for Stapedectomy

Amor Niksic, BS
Albert Y. Li, BA
Tyler J. Gallagher, BS
Hyun Sang Cho, MD
Rance Fujiwara, MD, MBA
Joni K. Doherty, MD, PhD
Hitomi Sakano, MD, PhD

10:18 Endoscopic vs. Microscopic Stapedotomy for Otosclerosis: An Updated Meta-Analysis of Complications

Hamzah Jehanzeb, MBBS
Dahir Ashfaq
Zayan Alidina
Hamdan A. Pasha, MBBS
Syed A. Abbas, MBBS

10:24 Temporal Bone 3D Reconstruction and Analysis of Endolymph Volume in Meniere's Disease

Achilles A. Kanaris, BS
Adam Y. Xiao, MD, PhD
Eashan Biswas
Gregory P. Lekovic, MD, PhD
John L. Go, MD
Stephen S. Cai, MD
Ivan A. Lopez, PhD
Gail P. Ishiyama, MD
Akira Ishiyama, MD

10:30 Cochlear Signal Intensity Changes in Vestibular Schwannoma: A Balanced Fast Field-Echo (bFFE) MRI Study

Takeshi Fujita, MD, PhD
Hiroko Takeda, MD
Tomonori Kanda, MD, PhD
Natsumi Uehara, MD, PhD
Jun Yokoi, MD, PhD
Akinobu Kakigi, MD, PhD
Ken-ichi Nibu, MD, PhD

10:36 DISCUSSION WITH MODERATOR

10:41 INTRODUCTION of PANEL – William H. Slattery, III, MD

10:42 PANEL

PRACTICAL GENETICS FOR OTOLOGISTS: WHAT YOU NEED TO KNOW

- Review ten most common genetic causes and the pathophysiology of hearing loss
- Review process to determine if genes are associated with the hearing loss phenotype
- When should a clinician order genetic testing
- When should a genetic counselor get involved
- Review of current and potential clinical trials

Ana H. Kim, MD, Moderator

Dylan K. Chan, MD, PhD

Sharon L. Cushing, MD, MSc

A. Eliot Shearer, MD, PhD

**11:28 NOVEL SENSORI-NEURAL HEARING LOSS TREATMENTS:
INDUSTRY PIPELINE UPDATES**

William H. Slattery, III, MD, Moderator

11:55 INTRODUCTION OF INCOMING PRESIDENT

Nancy M. Young, MD

11:58 CLOSING REMARKS

William H. Slattery, III, MD

12:00 ADJOURN