



American
Auditory
Society

SCIENTIFIC &
TECHNOLOGY
MEETING

BULLETIN OF THE AMERICAN AUDITORY SOCIETY • FEBRUARY 2025



**Final
Program**

Scottsdale, AZ • February 13-15, 2025



A Warm Welcome to the 2025 American Auditory Society Scientific and Technology Conference!

We continue our tradition of promoting translational hearing and balance research, while providing an atmosphere for collegial dialogue for over half a century. The successful format of peer-reviewed podium and poster sessions, along with invited podium sessions will continue at this meeting. The conference committee worked hard to select the most innovative, impactful, and high-quality podiums, posters, and student and early career travel awards. Based on attendee feedback, we will follow last-year's expanded and reorganized conference schedule again this year.

The AAS would like to express our gratitude to the organizations and people who have contributed financially to the success of this conference. The continued support from the NIDCD through an R13 conference grant is critical for allowing us to bring outstanding Translational Research and Special Session speakers to the meeting and for supporting students in presenting research through Student Travel Awards. Generous individual donors have supported the 5th annual Killion Lecture, as well as additional Student Travel Awards through the IDEA fund. Finally, AAS received a sponsorship from Meta. We are deeply grateful for this support, because it has enriched the meeting tremendously and created excellent opportunities for meaningful student involvement.



Speakers and Special Program

We are excited to announce a terrific line-up of speakers for our featured sessions this year.

The Carhart Memorial Lecture will be given by **M. Kathleen Pichora-Fuller, Ph.D.** During her distinguished career at the University of Toronto, Professor Emerita Pichora-Fuller has made significant interdisciplinary contributions to audiological rehabilitation for older adults. Her lecture titled, *Hearing Health and Aging Well*, will link research on auditory and cognitive processing in older adults and will discuss their clinical implications to healthy aging. The Carhart Memorial Lecture on Thursday afternoon will be followed by a festive Opening Reception for all attendees.

This year's Translational Lecture Series encapsulates the transdisciplinary focus that is the hallmark of the AAS. Thursday morning will kick off with a presentation on *Fast and Accurate Diagnosis Using the Parallel Auditory Brainstem Response* by **Ross Maddox, Ph.D.** On Friday the Early Career Research Award Presentation will be given by **Gabrielle R. Merchant, Au.D., Ph.D.** on *Improving the Diagnosis of Otitis Media and Associated Hearing Loss in Children*, immediately followed by the Killion Lecture by **Pamela Souza, Ph.D.** on *Understanding Individual Variability Among Older Adults with Hearing Loss*. **Lauren Calandruccio, Ph.D.** will close-out our Translational Lecture Series on Saturday morning with a presentation *Listening in Noise in your Second Language*.

A special session sponsored by the Industry Research Consortium (IRC) on Saturday morning will feature a presentation by **Amanda Ortmann, Ph.D.** on the *Potential uses for Intracochlear Electrocochleography*, representing work at the critical juncture between science and practice.

We are also looking forward to hearing presentations from 9 representatives of hearing healthcare companies, who will share new and innovative aspects of their work on Thursday afternoon, and we sincerely thank all for their time and support of the AAS meeting.

Saturday afternoon's Special Session on *Gene Therapy* promises to be timely, informative, thoughtful, and lively. The format will be slightly different from other Special Sessions to be responsive to the nature of the topic. We will begin with a presentation by **O'neil Guthrie, Ph.D.** who will provide some foundational background on gene therapy. This will be followed by presentations that address important scientific, clinical, and ethical issues related to gene therapy for hearing loss by **Sharon L. Cushing, M.D., Keiko Hirose, M.D., Emma J. Kagel, J.D., Marci Lesperance, M.D., Jenna Devare, M.D., and Ryan McCreery, Ph.D.** This will lead into a Moderated Community Discussion in which the attendees and the invited speakers will have the opportunity to pose questions and discuss topics related to gene therapy for hearing loss. The AAS is excited to provide a forum to discuss this timely topic.





Awards

AAS President, Lisa L. Hunter, Ph.D., will host the Awards Session on Friday morning. We will honor the 2025 recipient of the Life Achievement Award, **Linda J. Hood, Ph.D.** Also at this session, the Editor of *Ear and Hearing*, **Ruth Litovsky, Ph.D.**, will present the Editors' Award and the Readers' Choice Awards for the best manuscripts in our journal.

NIDCD support includes Student Travel Awards, which are given to meritorious students to attend the Annual AAS meeting and present a poster summarizing their research efforts. This year, 20 students were selected in the competitive Mentored Graduate Student and Resident Research Poster category. Two additional Student Travel Awards, supported by generous gifts to the IDEA fund, were given to meritorious students with underrepresented social identities. Of the 22 total Student Travel Award recipients, eight will share brief oral previews of their research in the Student Travel Award Poster Forum on Thursday. AAS encourages attendees to support student and resident research by coming to this forum and visiting all of our outstanding student and resident posters during the conference. In addition, 14 Au.D. students who completed T35 Research Traineeships are receiving travel support to present their research and participate in our meeting.

The AAS New Investigator Travel Award exists to encourage the participation of new investigators in our annual meeting. We are pleased that **Drs. Carlos Benitez-Barrera, Chelsea Blankenship, William Bologna, Erik Jorgensen, Stacey Kane, and Anu Nair** have been selected for presentations at the meeting.

Mentoring Sessions

The Students and Post-Doctoral fellows of AAS (spAAS) have organized a special session for Friday afternoon that students, residents, and mentors will not want to miss titled, *Mentoring Research Projects: Strategies for Mentors and Mentees*. The spAAS mentoring sessions have become great education and networking opportunities for students, residents, post-docs and early career clinician-scientists, as well as for seasoned scientists and clinicians. The spAAS Happy Hour will take place directly follow the mentoring session and is a nice, informal setting for students, residents, and post-docs to socialize with each other.

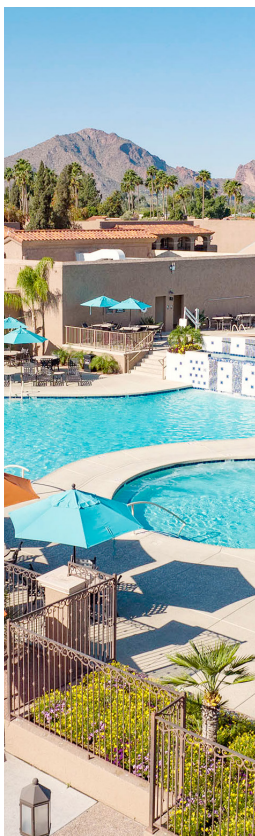
Social Events

The Opening Reception will be held on Thursday evening following the Carhart Memorial Lecture on-site at the Scottsdale Plaza Resort. It will feature appetizers, beverages, and entertainment.

Lunch will be provided outdoors on Thursday, Friday and Saturday, and is another wonderful way to catch up with old friends and colleagues, and make new connections.

Program Committee

AAS Executive Director Darla Eastlack's expertise in planning and executing the annual meeting is absolutely essential for its continued success and I am deeply grateful for Darla's calm demeanour, endless knowledge, and tireless commitment to AAS. I am also indebted to the many people who helped peer-review the 300 abstracts that we received for this meeting to ensure the scientific content of this



meeting is excellent. They are:

Julie Arenberg
Meisam Arjmandi
Michelle Arnold
Justin Aronoff
Shilpi Banerjee
Carlos Benetiz-Barrera
Curtis Billings

Sriram Boothalingam
Adam Bosen
Emily Buss
Dave Fabry
Matthew Fitzgerald
Angela Garinis
Tina Grieco-Calub

O'neil Guthrie
Kaylah Lalonde
Jungmee Lee
Lori Leibold
Ryan McCreery
Gabrielle Merchant
Aaron Moberly

Brian Monson
Carrie Nieman
Andrew Oxenham
Jessica Sullivan
Heather Weinreich
Matthew Winn
Yu-Hsiang Wu

I am looking forward to meeting once again in Scottsdale, learning about new developments in our field, celebrating our awardees, and catching up with dear friends and colleagues. Congratulations to all of the students and residents, new and established investigators, and distinguished scientists who will be presenting at our meeting. We are excited to hear about your research. I am grateful to the AAS Board and Darla Eastlack for their help planning this meeting, and I'd especially like to thank the previous Program Chair Lisa Hunter for her wise advice throughout the planning process.

Finally, I am grateful to the members of our great society who sustain this organization and contribute to such a unique meeting year after year with your scientific contributions and collegial interactions. I and the rest of the Board look forward to joining all of you at the 2025 Annual Meeting!

Rachael Frush Holt, PhD
2025 Program Chair





Visit <https://www.amauditorysoc.org/program> for abstracts and program updates.

WEDNESDAY, FEBRUARY 12, 2025

- 8:00 AM - 12:00 PM Ear & Hearing Editorial Board Meeting **LODGE BOARDROOM**
- 1:00 PM - 5:00 PM AAS Executive Board Meeting **LODGE BOARDROOM**
- 1:00 PM - 5:30 PM Registration **CONVENTION DESK**

THURSDAY, FEBRUARY 13, 2025

- 7:45 AM - 5:00 PM Registration **CONVENTION DESK**
 - 8:00 AM - 8:10 AM Opening Comments **GRAND BALLROOM ABC**
AAS President: Lisa L. Hunter, PhD
President-Elect and Program Chair: Rachael Frush Holt, PhD
 - 8:10 AM - 9:10 AM Translational Research I **GRAND BALLROOM ABC**
Moderator: Tina M. Grieco-Calub, PhD
- Fast and Accurate Diagnosis Using the Parallel Auditory Brainstem Response
Ross Maddox, PhD
Associate Professor, Kresge Hearing Research Institute, Department of Otolaryngology - Head and Neck Surgery, University of Michigan, Ann Arbor, MI



THURSDAY, FEBRUARY 13, 2025

9:20 AM - 11:40 AM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION I: HEARING AIDS & INTERVENTION GRAND BALLROOM ABC

Moderator: Aaron C. Moberly, MD

- 9:20 AM - 9:40 AM Pre-Fitting Determinants of Hearing Aid Persistence Among 284,175 US Veterans
Lauren K. Dillard, AuD, PhD, Medical University of South Carolina, Charleston, SC
- 9:40 AM - 10:00 AM Nested Trial of Telehealth versus Conventional Hearing Care in ACHIEVE
Nicholas S. Reed, AuD, PhD, New York University, Baltimore, MD
- 10:00 AM - 10:20 AM Effect of Hearing Intervention on White Matter Hyperintensity Volume: Findings from a Secondary Analysis of the ACHIEVE Randomized Trial
Alison R. Huang, PhD, Johns Hopkins University, Baltimore, MD
- 10:20 AM - 10:40 AM BREAK**
- 10:40 AM - 11:00 AM Factors Associated with the Cognitive Benefits of Hearing Intervention
James Russell Pike, New York University, Chapel Hill, NC
- 11:00 AM - 11:20 AM Preliminary Results on a Cost-Effectiveness Analysis of the ACHIEVE Hearing Intervention
Emmanuel E. Garcia Morales, PhD, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 11:20 AM - 11:40 AM The Integrated Digit-in-Noise Test for Hearing and Cognitive Screening
Lena Wong, PhD, The University of Hong Kong, Hong Kong

PODIUM SESSION II: LISTENING ENVIRONMENTS GRAND BALLROOM DEF

Moderator: Jason Galster, PhD

- 9:20 AM - 9:40 AM Acoustic Environments for Children who are Deaf or Hard of Hearing
New Investigator Presentation
Carlos Benítez- Barrera, PhD, University of Wisconsin-Madison, Madison, WI
- 9:40 AM - 10:00 AM Effects of Age and Hearing Aid Use on Auditory Environments
New Investigator Presentation
Erik Jorgensen, AuD, PhD, University of Wisconsin-Madison, Madison, WI
- 10:00 AM - 10:20 AM The Daily Auditory Environment of People with Tinnitus
Erika Skoe, PhD, University of Connecticut, Storrs, CT
- 10:20 AM - 10:40 AM BREAK**
- 10:40 AM - 11:00 AM Effects of Cultural Dynamics on Everyday Acoustic Environments
Nairán Ramírez-Esparza, PhD, University of Connecticut, Storrs, CT
- 11:00 AM - 11:20 AM Cultural Differences in Listening Environments for Hispanic Cochlear Implant Users
Emily R. Spitzer, AuD, NYU Grossman School of Medicine, New York, NY
- 11:20 AM - 11:40 AM Passive Sensing to Make Sense of Daily-life Listening Experiences
Jeppe Hoey Christensen, PhD, Eriksholm Research Centre, Oticon A/S, Snekkersten, Denmark



THURSDAY, FEBRUARY 13, 2025

PODIUM SESSION III: HEARING AID POLICY / HEARING LOSS:

EFFORT AND FATIGUE LA VALENCIA

Moderator: Adam K. Bosen, PhD

- 9:20 AM – 9:40 AM Medicaid Hearing Aid Policies and Hearing Aid Purchasing Among Older Adults
Michelle Arnold, AuD, PhD, University of South Florida, Tampa, FL
- 9:40 AM – 10:00 AM The Impact of Private Insurance Hearing Aid Mandates on Hearing Aid Spending and Utilization
Michael Pesko, PhD, University of Missouri, Columbia, MO
- 10:00 AM – 10:20 AM Effects of Individual Differences on Listening Experiences in Daily Life
Andreea Micula, PhD, University of Southern Denmark, Copenhagen, Denmark
- 10:20 AM – 10:40 AM** **BREAK**
- 10:40 AM – 11:00 AM Why Am I So Tired? Predicting Listening-Related Fatigue in Adults
Benjamin Hornsby, PhD, Vanderbilt University Medical Center, Nashville, TN
- 11:00 AM – 11:20 AM Cochlear Implant Listening Effort Reflects Expectation of Consistent Difficulty
Matthew Winn, AuD, PhD, University of Minnesota, Minneapolis, MN
- 11:20 AM – 11:40 AM Impact of Cochlear Implant Use on Comprehension and Listening Effort
Terrin N. Tamati, PhD, Vanderbilt University Medical Center, Nashville, TN

11:45 AM – 12:45 PM **LUNCH OUTDOORS** CYPRESS COURT

12:45 PM – 1:00 PM **POSTER SESSION I SETUP – PUT UP POSTERS** TERRAZA

- 1:00 PM – 2:00 PM Student Travel Award Poster Forum GRAND BALLROOM DEF
8 posters selected on merit & diversity
Moderator: Dave Fabry, PhD
- Modeling Decision-Making Strategies Among Prospective Hearing Aid Buyers
Sydney Pucel, BS, University of Iowa, Iowa City, IA
- Anticipated Difficulty Affects Listening Effort in Cochlear Implant Users
Miski Mohamed, BA, University of Minnesota, Minneapolis, MN
- Genetic Factors Explain Intersubject Variability in Audiograms Among Young Adults
Valerie Ingalls, BA, University of Iowa, Iowa City, IA
- Genetic Comorbidities of Speech-in-Noise Deficits Using Polygenic Risk Score Analysis
Srividya Grama Bhagavan, University of Iowa, Iowa City, IA
- Cochlear Synaptopathy: Assaying Damage and Recovery after Noise Exposure
Penelope Jeffers, BA, Harvard University, Cambridge, MA
- Listening Fatigue is Associated with Hyperacusis Symptoms in Autistic Adults
Marianne Awad, BS, The University of Texas at Dallas, Richardson, TX



THURSDAY, FEBRUARY 13, 2025

Assessing the Role of Social Factors in Cochlear Implant Outcomes
Barak Spector, BS, Vanderbilt University Medical Center, Nashville, TN

Noise Exposure and Cognitive Decline in ARIC-NCS
Shamine Alves, BA, University of Texas at Dallas, Dallas, TX
Xin Zhang, University of Michigan, Ann Arbor, MI

2:00 PM - 4:55 PM

TECHNOLOGY UPDATES

2:00 PM - 2:55 PM

TECHNOLOGY UPDATES, SESSION 1

2:00 PM - 2:25 PM

First Round

Session 1A

From Prescription to OTC: Evaluating Jabra Enhance’s Dual-Tier Approach to Hearing Care
Harvey B. Abrams, PhD and Katie Keese, AuD, Jabra Enhance GRAND BALLROOM ABC

Session 1B

The Social Consequences of Hearing Loss: Are Hearing Aids Enough?
Brian J. Taylor, AuD, WS Audiology - Signia GRAND BALLROOM DEF

Session 1C

Live is Good, is Auracast Better? Real World Demonstrations of Auracast Broadcast Streaming
Jill Mecklenburger, AuD, GN Hearing LA VALENCIA

2:30 PM - 2:55 PM

Repeat of Sessions 1A - 1C

3:00 PM - 3:55 PM

TECHNOLOGY UPDATES, SESSION 2

3:00 PM - 3:25 PM

First Round

Session 2A

IHS Research Update 2025 - High Frequency Testing Options for Auditory Evoked Potentials (AEP) and Otoacoustic Emissions (OAE)
Rafael E. Delgado, PhD, Intelligent Hearing Systems Corp. GRAND BALLROOM ABC

Session 2B

Low Delay Processing and Speech Intelligibility
Eric Branda, PhD, WS Audiology GRAND BALLROOM DEF

Session 2C

Leveraging Deep Neural Networks to Improve Noise Reduction in Edge AI
Michelle L. Hicks, PhD, Starkey LA VALENCIA

3:30 PM - 3:55 PM

Repeat of Sessions 2A - 2C

4:00 PM - 4:55 PM

TECHNOLOGY UPDATES, SESSION 3

4:00 PM - 4:25 PM

First Round

Session 3A

Achieving Superior Patient Outcomes with DNN Denoising in Audéo Sphere Infinio
Elizabeth Stewart, PhD, Sonova US GRAND BALLROOM ABC



THURSDAY, FEBRUARY 13, 2025

Session 3B Genetic Testing and Counseling as Part of the Audiologic Assessment
Joan Hewitt, AuD, Project TALK, Akouos, A Wholly Owned Subsidiary of Eli Lilly and Company; In accordance with the Pharmaceutical Research and Manufacturers of America code on Interactions with Healthcare Professionals (PhRMA Code), CEU cannot be provided for this session. GRAND BALLROOM DEF

Session 3C Finding the Right Balance: How to Adapt Intelligent Hearing Aid Features to Individual User Needs
Sébastien Santurette, PhD, Oticon A/S LA VALENCIA

4:30 PM – 4:55 PM Repeat of Session 3A – 3C

5:00 PM – 6:15 PM

CARHART MEMORIAL LECTURE GRAND BALLROOM ABC

Moderator: Ryan McCreery, PhD
Introduction: Gurjit Singh, PhD

Hearing Health and Aging Well
Kathy Pichora-Fuller, PhD, FCAHS
Professor Emerita, Department of Psychology, University of Toronto, Mississauga, Ontario, Canada

6:30 PM – 7:30 PM

OPENING RECEPTION CYPRESS COURT

FRIDAY, FEBRUARY 14, 2025

7:45 AM – 1:30 PM Registration CONVENTION DESK

8:00 AM – 8:30 AM **EARLY CAREER RESEARCH AWARD PRESENTATION** GRAND BALLROOM ABC

Moderator: Hideko Heidi Nakajima, MD, PhD

Improving the Diagnosis of Otitis Media and Associated Hearing Loss in Children
Gabrielle R. Merchant, AuD, PhD
Boys Town National Research Hospital, Omaha, NE

8:30 AM – 9:30 AM Translational Research II - Killion Lecture GRAND BALLROOM ABC

Moderator: Julie G. Arenberg, PhD

Understanding Individual Variability Among Older Adults with Hearing Loss
Pamela Souza, PhD
Northwestern University, Evanston, IL

9:30 AM – 10:30 AM **AWARDS & RECOGNITIONS** GRAND BALLROOM ABC

Membership Update: Lisa L. Hunter, PhD, AAS President

Life Achievement Award: Professor Linda J. Hood, PhD, Vanderbilt University, Nashville, TN

Ear and Hearing Update: Ruth Litovsky, PhD, Editor-in-Chief



FRIDAY, FEBRUARY 14, 2025

Ear and Hearing Editors' Award: Extended High-Frequency Thresholds: Associations With Demographic and Risk Factors, Cognitive Ability, and Hearing Outcomes in Middle-Aged and Older Adults.

Helfer KS, Maldonado L, Matthews LJ, Simpson AN, Dubno JR. Ear Hear. 2024 Nov-Dec 01;45(6):1427-1443. doi: 10.1097/AUD.0000000000001531. Epub 2024 Jul 11.

Ear and Hearing Readers' Choice Award: Hearing Loss and Dementia: Where to From Here?

Dawes, Piers; Munro, Kevin. Ear & Hearing 45(3):p 529-536, May/June 2024. | DOI: 10.1097/AUD.0000000000001494

Ear and Hearing Readers' Choice Award - Honorable Mention: A Large-Scale Study of the Relationship Between Degree and Type of Hearing Loss and Recognition of Speech in Quiet and Noise.

Smith, Michael L.; Winn, Matthew B.; Fitzgerald, Matthew B. Ear & Hearing 45(4):p 915-928, July/August 2024. | DOI: 10.1097/AUD.0000000000001484

10:30 AM – 12:30 PM

POSTER SESSION I PRESENTATIONS TERRAZA

Presenters with odd numbered posters should plan to present between 10:30 am - 11:30 am. Presenters with even numbered posters should plan to present between 11:30 am - 12:30 pm. Presenters are also free to be available at any other time the poster is on display.

12:30 PM – 12:45 PM

POSTER SESSION I STRIKE – TAKE DOWN POSTERS TERRAZA

12:30 PM – 1:30 PM

LUNCH OUTDOORS CYPRESS COURT

12:30 PM – 1:30 PM

NIH GRANT INFORMATION SESSION GRAND BALLROOM ABC

Moderator: Kaylah Lalonde, PhD

Presenters:

Cendrine Robinson, PhD, MPH

Director of Workforce Development and Community Health, National Institute on Deafness and Other Communication Disorders, NIH

Funding from the National Institute on Deafness and Other Communication Disorders (NIDCD) advances scientific and clinical discovery. NIDCD staff will provide an overview of fellowship, career development, and research funding opportunities. The session will also cover advice for successful applications. This session is aimed at AuD or PhD students, post-doctoral fellows, and early-stage investigators.

Hua Ou, MD, PhD

Program Officer, Office of Data Science Strategy, Division of Program Coordination, Planning, and Strategic Initiatives, Office of Director, NIH

The National Institutes of Health (NIH) drives innovations in science and technology that aim to improve the health of all humankind. Critical to NIH's mission is a sustainable, diverse, and well-trained biomedical and health research workforce. This presentation will offer an overview of the NIH Office of Data Science Strategy (ODSS) and the programs toward building a strong and diverse data science community in biomedical and health research. It will highlight programs that enhance the data science competencies in trainees and scientists.

As of January 22, 2025 all NIH travel has been suspended indefinitely by executive order.



FRIDAY, FEBRUARY 14, 2025

1:30 PM – 4:30 PM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION IV: HEARING LOSS: EPIDEMIOLOGY AND GENETICS /

HEARING AIDS - GRAND BALLROOM ABC

Moderator: Carrie Nieman, MD

- | | |
|--------------------------|--|
| 1:30 PM – 1:50 PM | Polygenic Risk Score-Based Association Analysis of Audiometry and Otoacoustic Emissions
<i>Ishan Sunilkumar Bhatt, PhD, University of Iowa, Iowa City, IA</i> |
| 1:50 PM – 2:10 PM | Genetic Factors Explain Differences in Otoacoustic Emissions Among Young Adults
<i>Valerie Alexandra Ingalls, BA, University of Iowa, Iowa City, IA</i> |
| 2:10 PM – 2:30 PM | Comorbidity Landscapes of Age-Related Hearing Loss, Tinnitus, and Speech-in-Noise Deficits
<i>Ishan Sunilkumar Bhatt, PhD, University of Iowa, Iowa City, IA</i> |
| 2:30 PM – 2:50 PM | Longitudinal Association Between Sleep Disturbances and Hearing Loss
<i>Kening Jiang, Cochlear Center for Hearing and Public Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD</i> |
| 2:50 PM – 3:10 PM | BREAK |
| 3:10 PM – 3:30 PM | Genetic Risk Modeling of Acquired Hearing Loss Using Artificial Intelligence
<i>Ishan Sunilkumar Bhatt, PhD, University of Iowa, Iowa City, IA</i> |
| 3:30 PM – 3:50 PM | Clinical Trial Results on One vs Two Hearing Aids
<i>Sherri Smith, AuD, PhD, Duke University School of Medicine, Durham, NC</i> |
| 3:50 PM – 4:10 PM | An Accessible Image-Based Questionnaire for Assessing Hearing and Hearing-Aid Outcomes
<i>Gabrielle H. Saunders, PhD, Manchester Centre for Audiology and Deafness (ManCAD), Manchester, UK</i> |
| 4:10 PM – 4:30 PM | Factors Influencing Hearing Aid Adoption, Usage, and Retention
<i>Varsha Athreya, PhD, Stanford University, Palo Alto, CA</i> |

PODIUM SESSION V: AUDIOLOGY AND OTOTOLOGY:

DIAGNOSIS AND INTERVENTION GRAND BALLROOM DEF

Moderator: Jessica R. Sullivan, PhD

- | | |
|-------------------|---|
| 1:30 PM – 1:50 PM | Ear Canal Geometry from Infancy Through Old Age
<i>Susan E. Voss, PhD, Smith College, Northampton, MA</i> |
| 1:50 PM – 2:10 PM | Audiometric Thresholds and Computed Tomography in Children with Down Syndrome
<i>Keelin Fallon, BA, UMass Chan Medical School, Worcester, MA</i> |
| 2:10 PM – 2:30 PM | Broadband and 8kHz chirp ABRs in Fullterm and Preterm Infants
<i>New Investigator Presentation</i>
<i>Chelsea Blankenship, AuD, PhD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH</i> |
| 2:30 PM – 2:50 PM | Data-Driven Audiometric Classifications and Speech Perception Measures
<i>Matthew Fitzgerald, PhD, Stanford University, Palo Alto, CA</i> |



FRIDAY, FEBRUARY 14, 2025

2:50 PM – 3:10 PM

3:10 PM – 3:30 PM

3:30 PM – 3:50 PM

3:50 PM – 4:10 PM

4:10 PM – 4:30 PM

BREAK

Why the NoSt π Threshold Should be Measured in Audiometric Evaluations

Douglas S. Brungart, PhD, Walter Reed National Military Center, Bethesda, MD

Effects of Audiometric Threshold on NoSt π Detection

Daniel E. Shub, PhD, Walter Reed National Military Medical Center, Bethesda, MD

Use of Artificial Intelligence Hearing Aids for Identifying Fall Risk

Jwala Rejimon, AuD, Stanford University, Palo Alto, CA

Preliminary Study of Remote Counseling and Sound Therapy for Hyperacusis

Ann Elizabeth Perreau, PhD, Augustana College, Rock Island, IL

PODIUM SESSION VI: COCHLEAR IMPLANTS / SPEECH PERCEPTION LA VALENCIA

Moderator: René Gifford, PhD

1:30 PM – 1:50 PM

Pre-operative Predictors of Early Cochlear Implant Outcomes in Adults

Aaron C. Moberly, MD, Vanderbilt University Medical Center, Nashville, TN

1:50 PM – 2:10 PM

Mapping Considerations for Cochlear Implant Users with Unilateral Hearing Loss

Margaret Dillon, AuD, PhD, University of North Carolina at Chapel Hill, Chapel Hill, NC

2:10 PM – 2:30 PM

Spatial Cues in Speech-in-Noise: Orienting Responses in Pediatric Implant Users

Hillary A. Snapp, AuD, PhD, University of Miami Miller School of Medicine, Miami, FL

2:30 PM – 2:50 PM

Distorted Tonotopy in Sensorineural Hearing Loss: A Cross-Species Study

Hari Bharadwaj, PhD, University of Pittsburgh, Pittsburgh, PA

2:50 PM – 3:10 PM

3:10 PM – 3:30 PM

3:30 PM – 3:50 PM

3:50 PM – 4:10 PM

4:10 PM – 4:30 PM

BREAK

Bayesian-Guided Estimation of Speech Reception Thresholds in Background Noise

Christopher Slugoeki, PhD, Office of Research in Clinical Amplification (ORCA-USA), WS Audiology, Lisle, IL

Spectral Weighting and Aided Speech Recognition in Noise Among Older Adults with Age-Related Hearing Loss

Yi Shen, PhD, University of Washington, Seattle, WA

Factors Influencing Audiovisual Speech Benefit in Children: Acoustic-Phonetic Redundancy

Kaylah Lalonde, PhD, Boys Town National Research Hospital, Omaha, NE

Social Influence on Eye Gaze Behavior During Audiovisual Speech Perception

Justin T. Fleming, PhD, University of Minnesota, Minneapolis, MN



FRIDAY, FEBRUARY 14, 2025

2:50 PM – 3:10 PM

POSTER SESSION II SETUP – PUT UP POSTERS TERRAZA

5:00 PM – 6:30 PM

Mentoring Research Projects: Strategies for Mentors and Mentees
Session Organized by the Students and Post-Doctoral fellows of AAS (spAAS) GRAND BALLROOM ABC

Panelists:

Maureen Shader, AuD, PhD, Assistant Professor, Purdue University

Uzma Ahktar, AuD, PhD, Assistant Professor, Rush University Medical Center

Victoria Sanchez, AuD, PhD, Assistant Professor, University of South Florida

6:30 PM – 7:30 PM

STUDENTS AND POSTDOCS OF AAS (SPAAS)

HAPPY HOUR GARDEN COURT RESTAURANT

Informal setting to socialize and meet new people. A cash bar and light snacks will be available.

SATURDAY, FEBRUARY 15, 2025

7:45 AM – 3:45 PM

Registration CONVENTION DESK

8:00 AM – 9:00 AM

Translational Research III GRAND BALLROOM DEF

Moderator: Rachael Frush Holt, PhD

Listening in Noise in Your Second Language

Lauren Calandruccio, PhD, CCC-A

Case Western Reserve University, Cleveland, OH

9:00 AM – 10:00 AM

(Hearing) Industry Research Consortium Sponsored Session,

<http://hearingirc.com> GRAND BALLROOM DEF

Moderator: Dave Fabry, PhD

Potential Uses for Intracochlear Electrocochleography

Amanda Ortmann, PhD

Program in Audiology and Communication Sciences, Department of Otolaryngology,

Washington University School of Medicine, St. Louis, MO

10:00 AM – 12:00 PM

POSTER SESSION II PRESENTATIONS TERRAZA

Presenters with odd numbered posters should plan to present between 10:00 am – 11:00 am.

Presenters with even numbered posters should plan to present between 11:00 am – 12:00 pm.

Presenters are also free to be available at any other time the poster is on display.

12:00 PM – 12:15 PM

POSTER SESSION II STRIKE – TAKE DOWN POSTERS TERRAZA

12:00 PM – 1:00 PM

LUNCH OUTDOORS CYPRESS COURT

1:00 PM – 3:30 PM

SPECIAL SESSION: GENE THERAPY GRAND BALLROOM DEF

Moderator: O'neil W. Guthrie, MS, PhD, CCC-A

Gene Therapy: When Desires Precede the Evidence

O'neil W. Guthrie, MS, PhD, CCC-A

Cell & Molecular Pathology Laboratory, Northern Arizona University, Flagstaff AZ



SATURDAY, FEBRUARY 15, 2025

Patients' Perspective on Gene Therapy for Hearing Loss
Emma J. Kagel, JD, MBE, HCE-C, LPEC
Harvard Medical School Center for Bioethics, Beth Israel Lahey Health, Bioethics Alliance, Boston, MA

Clinical Challenges and Opportunities for Implementing Gene Therapy for Hearing Loss
Marci M. Lesperance, MD
Professor, Otolaryngology-Head and Neck Surgery, University of Michigan, Ann Arbor, MI
Jenna Devare, MD
Clinical Assistant Professor, Pediatric Otolaryngology, University of Michigan, Ann Arbor, MI

Pediatric Otolaryngology in the Era of Gene Therapy for Deafness
Keiko Hirose, MD
Washington University School of Medicine, St. Louis, MO

Impact of Universal Newborn Genetic Screening on the Treatment of Hearing Loss in Children
Sharon L. Cushing, MD
Professor, Otolaryngology, Head & Neck Surgery, Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada

Audiologists' Perspectives on Gene Therapy for Hearing Loss
Ryan McCreery, PhD
Boys Town National Research Hospital, Omaha, NE

Bioethical Analysis of Stakeholders' Perspectives About Gene Therapy for Hearing Loss
Emma J. Kagel, JD, MBE, HCE-C, LPEC
Harvard Medical School Center for Bioethics, Beth Israel Lahey Health, Bioethics Alliance, Boston, MA

Moderated Community Discussion

3:30 PM - 3:45 PM

SUMMARY AND ADJOURNMENT GRAND BALLROOM DEF

NOTES



SAVE THE DATE!



The 53rd Annual Scientific & Technology Conference will be held
at the Scottsdale Plaza Resort in Scottsdale, Arizona,
February 26 - 28, 2026.