



**AMERICAN
AUDITORY
SOCIETY**

**SCIENTIFIC &
TECHNOLOGY
MEETING**

BULLETIN OF THE AMERICAN AUDITORY SOCIETY • FEBRUARY 2022

Final Program



Scottsdale, AZ • February 24-26, 2022



welcome

Welcome to the 2022 American Auditory Society (AAS) Scientific and Technical Conference!

We are thrilled to be holding an in-person meeting at our new conference location, <https://www.scottsdaleplaza.com>, as well as offering a virtual component for attendees unable to travel. To ensure the health and safety of all attendees, we are requiring proof of COVID vaccination and are recommending boosters for all in-person attendees. Additionally, we will be offering on-site rapid COVID testing and we are committed to ensuring masking and adequate physical distancing while continuing to support and encourage the social and scientific interactions characteristic of this conference!

The 2022 AAS meeting will continue the tradition of promoting translational research and providing an intellectually stimulating and collaborative atmosphere for all attendees. This will be the first year we are offering an in-person meeting with an asynchronous virtual component. This year's lectures will be recorded and posted on the conference website for viewing by all attendees at their convenience following the live event. We are hopeful that this hybrid platform will attract a broader audience for attendance and participation and that we can continue this approach for future meetings.

We have lined up an exciting scientific program stacked with presenters and investigative teams representing the latest and most rigorous clinical and scientific research. As outlined below, the 2022 meeting will follow a tried and trusted format including oral and poster presentations across the 3-day conference. We are delighted to offer this exceptional speaker line-up for our featured sessions.

Carhart Memorial Lecture

This year's Carhart Memorial Lecture will be delivered by Anu Sharma, PhD, Professor, Associate Chair, and Coordinator of Graduate Studies at the University of Colorado, Boulder. Over her distinguished career, Professor Sharma has made significant contributions to our field focusing on auditory and cross-modal neuroplasticity in response to congenital and acquired hearing losses as well as the effects of hearing technologies on cortical reorganization. Her lecture entitled Harnessing the Clinical Power of Neuroplasticity to Enhance Outcomes will detail the vast inventory of her scientific discovery and its associated clinical application.

Translational Lecture Series

The 2022 Translational Lecture Series will include three brilliant investigators whose presentations will most certainly inspire attendees' transdisciplinary interests, creativity, and collaboration. Bharath Chandrasekaran, PhD, Professor and Vice Chair of Research at the University of Pittsburgh will kick off this series with his presentation on speech perception in noise including etiological bases as well as associated clinical considerations. Next in the line-up is Marshall Chasin, AuD, MSc, who is the Director of Audiology and Clinical Research at Musicians' Clinics of Canada. Dr. Chasin will be pulling double duty as his translational series presentation on music and hearing aids was also named as the 2022 Killion Lecture. Rounding out the translation lecture series, Matthew Bush, MD, PhD, MBA, Professor, Vice Chair for Research, and Endowed Chair in Rural Health Policy at the University of Kentucky, will present pragmatic approaches to overcoming hearing healthcare disparities.

Special Session: Future Therapies for the Ears

Our Saturday afternoon special session will focus on the future of hearing therapies, an area which has seen a rapid evolution in recent years. In this special session, which brings together experts from academia and industry, Dr. Edwin Rubel will open with an overview of regenerative and genetic medicine aimed at auditory restoration. Following Dr. Rubel's introduction, Dr. Lisa Cunningham will provide an overview of the tools

needed to develop hearing therapeutics, Dr. Suzanne Mansour will cover sensory cell differentiation in the cochlea, Dr. Will McLean will present on regenerative therapies, Dr. Jonathan Whitton will discuss gene therapy for otoferlin-related hearing loss, Dr. Alan Foster will present on clinical efficacy of an intratympanic NMDA Receptor Antagonist for tinnitus, and Dr. Andrew Groves will provide an overview of The Hearing Restoration Project and the challenge of hair cell regeneration. We will wind up the conference with an expert panel discussion moderated by Dr. Rubel which will include all invited speakers of this special session.

Awards

AAS President, Dr. Charles Limb, will be hosting the 2022 awards ceremony on Friday afternoon. We will honor many awardees this year including NIDCD funded Student Travel Awards, New Investigator Travel Awards, and the Ear & Hearing Editors' Award to be presented by Dr. Brenda Ryals. Additionally, we are pleased to announce that the 2022 recipient of the AAS Life Achievement Award is Judy R. Dubno, PhD. Dr. Dubno is a Professor and Director of the Hearing Research Program in the Department of Otolaryngology-Head and Neck Surgery at the Medical University of South Carolina and is truly the world's leading expert on how age and hearing loss affect auditory processing of simple and complex stimuli.

Social Events

In light of the ever-evolving COVID pandemic, we have made the decision to forego the large social event that we typically hold on Friday evening. However, we will be holding an outside, socially distanced happy hour on Thursday evening following the Carhart Memorial lecture. We would also like to encourage all attendees to safely enjoy the amenities, dining options, and abundant open spaces of the beautiful Scottsdale Plaza Resort. While we are disappointed about the Friday evening social cancellation this year, we are already looking forward to resuming this tradition and offering additional social activities for the 2023 meeting.

Program Committee

I would like to take this opportunity to formally express our most sincere gratitude to AAS Executive Director, Darla Eastlack, for her outstanding abilities and talents that ensure the successful planning and execution of this annual meeting. Additionally, I would like to thank the following members of the 2022 AAS program committee who provided the most thorough review of over 200 submitted abstracts—a task that unfortunately coincided with both the end of the Fall semester and the 2021 holiday season:

Angela Bonino	Carmen Brewer	Emily Buss	Chris Clinard	Sumit Dhar
Anna Diedesch	Viji Easwar	Brent Edwards	Dave Fabry	Erick Gallun
Jason Galster	O'neil Guthrie	Avril Holt	Lisa Hunter	Francis Kuk
Anil Lalwani	Lori Leibold	Vinaya Manchaiah	Devin McCaslin	Ryan McCreery
Beth Prieve	Sherri Smith	Jessica Sullivan	Heather Weinreich	Chris Zalewski

I would also like to extend our thanks to all attendees who accepted the invitation to present their work and moderate sessions—particularly given the wave of COVID-induced uncertainty surrounding travel and conference attendance. We would like to thank the Industry Research Consortium for sponsoring and organizing their virtual session as well as the AAS Board of Directors for their help and guidance planning for this meeting. Finally, AAS is especially grateful for the continued support from NIDCD through a R13 conference grant. This R13 grant has allowed us to bring our exceptional Translational Research and Special Session speakers to the meeting and also provides generous support for our Student Travel awards. Please join us Friday afternoon following the awards ceremony for an AAS Mentorship Session on the Publishing and Peer Review Process followed by a T35 panel discussion on using your poster and research to advance your career. This will be a great educational and networking opportunity for students and early career clinician-scientists.



Finally, I am so very thankful to the AAS membership and all on-site and virtual attendees. From the AAS mission, to the annual meeting, and the success of our society's journal—none of this could happen without you, your service, and scientific contributions. As we are now over two years into this global pandemic, I am certain that none of us will take this opportunity to hold a safe and responsible meeting for granted. As such, I am so looking forward to enjoying this great scientific program, celebrating your awards, and interacting with dear friends and colleagues.

René Gifford, PhD
2022 Program Chair



Wednesday, February 23, 2022

8:00 AM – 12:00 PM	Ear & Hearing Editorial Board Meeting LAS PALMAS A
1:00 PM – 5:00 PM	AAS Executive Board Meeting LAS PALMAS B
1:00 PM – 5:30 PM	Registration CONVENTION DESK

Thursday, February 24, 2022

7:45 AM – 5:00 PM	Registration CONVENTION DESK
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8:00 AM – 10:55 AM TECHNOLOGY UPDATES

8:00 AM – 8:55 AM

TECHNOLOGY UPDATES, SESSION 1

8:00 AM – 8:25 AM

First Round

Session 1A

Making Adult Hearing Healthcare Affordable & Accessible: Lively Hearing Update
Harvey B. Abrams, PhD, Lively Hearing Corporation **GRAND BALLROOM AB**

Session 1B

Exploring the Benefits of a New Product Type in the Hearing Aid Market
Jill Mecklenburger, AuD, ReSound **GRAND BALLROOM C**

Session 1C

Help in Noise: What Clarity Improvements Can Hearing Aids Achieve?
Sebastien Santurette, PhD, Oticon A/S & Technical University of Denmark **GRAND BALLROOM D**

Session 1D

Evolution to Effortless: The Evidence Behind Starkey's Evolv AI
Michelle L. Hicks, PhD, Starkey Hearing Technologies **GRAND BALLROOM EF**

8:30 AM – 8:55 AM

Repeat of Sessions 1A – 1D

9:00 AM – 9:55 AM

TECHNOLOGY UPDATES, SESSION 2

9:00 AM – 9:25 AM

First Round

Session 2A

Widex MOMENT: Still the one!
Francis Kuk, PhD, Widex **GRAND BALLROOM AB**

Session 2B

Clinical Implications and Benefits of a Hearing Aid with Adaptive Acoustic Coupling
Kevin D. Seitz-Paquette, AuD, Sonova **GRAND BALLROOM C**



Thursday, February 24, 2022

Session 2C

IHS Research Update 2022 - New Developments in Audiology Simulation for Teaching and Training
Rafael E. Delgado, PhD, Intelligent Hearing Systems Corp.; David K. Brown, PhD, Pacific University **GRAND BALLROOM D**

Session 2D

Optimizing Performance in Demanding Listening Situations: Clinical Evidence Supporting Signia Technology
Brian J. Taylor, AuD, Signia **GRAND BALLROOM EF**

9:30 AM – 9:55 AM

Repeat of Sessions 2A – 2D

10:00 AM – 10:55 AM

TECHNOLOGY UPDATES, SESSION 3

10:00 AM – 10:25 AM

First Round

Session 3A

An Evidence-Based Tinnitus Treatment via Bimodal Neuromodulation
Tish Ramirez, AuD, Neuromod USA, Inc. **GRAND BALLROOM EF**

10:30 AM – 10:55 AM

Repeat of Session 3A

12:00 PM – 12:50 PM

LUNCH OUTDOORS CYPRESS COURT

12:50 PM – 1:00 PM

POSTER SESSION I SETUP – PUT UP POSTERS TERRAZA

1:00 PM – 1:10 PM

OPENING COMMENTS GRAND BALLROOM ABC

Charles Limb, MD, AAS President
René Gifford, PhD, President-Elect and Program Chair

1:10 PM – 2:10 PM

TRANSLATIONAL RESEARCH I GRAND BALLROOM ABC

Moderator: O'neil Guthrie, PhD

Speech Perception in Noise: Etiological Bases and Clinical Considerations
Bharath Chandrasekaran, PhD
Professor and Vice Chair for Research, University of Pittsburgh, Pittsburgh, PA

2:25 PM – 4:40 PM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION I: HEARING AIDS AND AUDITORY IMPLANTS GRAND BALLROOM ABC

Moderator: Sterling Sheffield, AuD, PhD

2:25 PM – 2:45 PM

Real-World Benefits of Cochlear Implants in Individuals with Single-Sided Deafness
Camille C. Dunn-Johnson, PhD, University of Iowa, Iowa City, IA

Thursday, February 24, 2022

- 2:45 PM – 3:05 PM Stimulation Location Affects Cochlear Implant Users' Vocal Pitch and Timbre
Simin Soleimanifar, PhD, Department of Speech and Hearing Science, College of Applied Health Science, University of Illinois at Urbana-Champaign, Champaign, IL
- 3:05 PM – 3:25 PM Listening Effort in CI Users Impairs Perception of Later Utterances
Matthew Winn, AuD, PhD, University of Minnesota, Minneapolis, MN
- 3:25 PM – 3:40 PM BREAK**
- 3:40 PM – 4:00 PM Preference Evaluation for Listening Intent based Hearing Aid Adjustments
Jumana Harianawala, AuD, Starkey Hearing Technologies, Eden Prairie, MN
- 4:00 PM – 4:20 PM Low-Gain Hearing Aids for Listening-in-Noise Difficulties in “Normal Hearing” Individuals
Brent Edwards, PhD, National Acoustic Laboratories, Australia
- 4:20 PM – 4:40 PM Electroacoustic, Fitting, and Sound Quality of Over-the-Counter Amplification
Sterling Sheffield, AuD, PhD, University of Florida, Gainesville, FL

PODIUM SESSION II: TINNITUS, TRAUMA, AND THERAPEUTICS **GRAND BALLROOM DEF**

Moderator: Candice Manning Quinn, AuD, PhD

- 2:25 PM – 2:45 PM Evaluation of Residual Inhibition Therapy for Sustained Suppression of Tinnitus
New Investigator Presentation
Candice Manning Quinn, AuD, PhD, Durham VA Health Care System; Duke University; VA RR&D National Center for Rehabilitative Auditory Research, Durham, NC
- 2:45 PM – 3:05 PM COVID-19, Hearing Loss and Tinnitus: Causality or Spurious Conjunction?
(Recorded Presentation)
Gabrielle Helena Saunders, PhD, University of Manchester, Manchester, United Kingdom
- 3:05 PM – 3:25 PM Auditory Nerve Fibers - Who's Most Vulnerable to Noise and Aging?
Sharon G. Kujawa, PhD, Massachusetts Eye & Ear and Harvard Medical School, Bedford, MA
- 3:25 PM – 3:40 PM BREAK**
- 3:40 PM – 4:00 PM Verapamil: Effects on Hearing and Inhibition of Acoustic Startle
Avril Genene Holt, PhD, Wayne State University, Detroit, MI
- 4:00 PM – 4:20 PM Neurotrophin OTO-413 for Hearing Loss: Phase 1/2 Clinical Study
David R. Moore, PhD, Communication Sciences Research Center, Cincinnati Children's Hospital, Cincinnati, OH
- 4:20 PM – 4:40 PM Prevalence of Noise-Induced Hearing Loss in the U.S.A.
Larry E. Humes, PhD, Indiana University, Bloomington, IN

PODIUM SESSION III: HEARING AND BALANCE HEALTHCARE DELIVERY **EL TEATRO**

Moderator: Michelle Arnold, AuD, PhD

- 2:25 PM – 2:45 PM Knowledge, Attitudes, and Beliefs about Hearing Loss and Hearing Health Care among Hispanic/LatinX Adults: Focus Group Results
Michelle Arnold, AuD, PhD, University of South Florida, Tampa, FL
- 2:45 PM – 3:05 PM Consumer Opinions of Direct-to-Consumer Models of Hearing Healthcare
Jasleen Singh, AuD, PhD, Northwestern University, Evanston, IL
- 3:05 PM – 3:25 PM Readiness of Low Income Hearing Help Seekers for Telehealth
Carole E. Johnson, AuD, PhD, HERO Lab; University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 3:25 PM – 3:40 PM BREAK**
- 3:40 PM – 4:00 PM Preliminary Evaluation of Fall Risk Assessment Methods Using Ear-Wearable Devices
Justin R. Burwinkel, AuD, Starkey, Eden Prairie, MN

Thursday, February 24, 2022

- 4:00 PM – 4:20 PM Development of an Outcome Measure for Empowerment for Hearing Loss
(*Recorded Presentation*)
Melanie Ferguson, PhD, Curtin University, Perth, Australia
- 4:20 PM – 4:40 PM Implementation Science and the Uptake of a Post-Hearing-Screening
Intervention (*Recorded Presentation*)
Jill E. Preminger, PhD, San Diego State University, San Diego, CA

5:00 PM – 6:15 PM

CARHART MEMORIAL LECTURE GRAND BALLROOM ABC

Moderator: Charles Limb, MD

Harnessing the Clinical Power of Neuroplasticity to Enhance Outcomes
Anu Sharma, PhD
University of Colorado, Boulder, CO

6:30 PM – 7:30 PM

OPENING RECEPTION CYPRESS COURT

Friday, February 25, 2022

7:45 AM – 1:30 AM

Registration CONVENTION DESK

8:00 AM – 8:30 AM

EARLY CAREER RESEARCH AWARD PRESENTATION GRAND BALLROOM DEF

Moderator: Ryan McCreery, PhD

Tales of a Unicorn: Lessons from Longitudinal Studies on Children who are
Hard of Hearing
Elizabeth A. Walker, PhD, CCC-A/SLP
University of Iowa, Iowa City, IA

8:30 AM – 9:30 AM

TRANSLATIONAL RESEARCH II - KILLION LECTURE GRAND BALLROOM DEF

Moderator: Sumit Dhar, PhD

Music and Hearing Aids
Marshall Chasin, AuD, MSc
Director of Audiology and Clinical Research, Musicians' Clinics of Canada, Toronto,
Ontario, Canada

9:30 AM – 11:30 AM

POSTER SESSION I PRESENTATIONS TERRAZA

*Presenters with odd numbered posters should plan to present between 9:30 AM - 10:30 AM.
Presenters with even numbered posters should plan to present between 10:30 AM - 11:30 AM.
Presenters are also free to be available at any other time the poster is on display.*

11:30 AM – 11:35 AM

POSTER SESSION I - TAKE DOWN POSTERS TERRAZA

11:45 AM – 12:45 PM

AWARDS & RECOGNITIONS GRAND BALLROOM DEF

Membership Update: Charles Limb, MD, AAS President

LIFE ACHIEVEMENT AWARD: Judy R. Dubno, PhD, Medical University
of South Carolina, Charleston, SC

EAR AND HEARING EDITORS' AWARD: Abdala, Carolina; Ortmann,
Amanda J.; Guardia, Yeini C. (2021), Weakened Cochlear Nonlinearity During
Human Aging and Perceptual Correlates, Ear and Hearing. 42(4):832-845

EAR AND HEARING READERS' CHOICE AWARD: Thibodeau, Linda M.;
Thibodeau-Nielsen, Rachel B.; Tran, Chi Mai Quynh; Jacob, Regina Tangerino de
Souza (2021), Communicating During COVID-19: The Effect of Transparent Masks
for Speech Recognition in Noise, Ear and Hearing. 42(4):772-781

Friday, February 25, 2022

12:45 PM - 12:50 PM

POSTER SESSION II SETUP - PUT UP POSTERS TERRAZA

12:50 PM - 2:50 PM

POSTER SESSION II PRESENTATIONS TERRAZA

*Presenters with odd numbered posters should plan to present between 12:50 PM - 1:50 PM.
Presenters with even numbered posters should plan to present between 1:50 PM - 2:50 PM.
Presenters are also free to be available at any other time the poster is on display.*

3:00 PM - 4:00 PM

AAS MENTORSHIP SESSION ON THE PUBLISHING AND PEER REVIEW PROCESS

GRAND BALLROOM DEF

Moderator: Lisa L. Hunter, PhD

Brenda Ryals, Ear and Hearing
Ryan McCreery, American Journal of Audiology
DeWet Swanepoel, International Journal of Audiology
Devin McCaslin, Journal of the American Academy of Audiology
Erick Gallun, Journal of Speech, Language and Hearing Research

Publishing can be a mysterious and intimidating process for budding researchers, whether they come from a clinical or more basic background. Editorial leaders from several of the major journals in hearing science will provide a window behind the scenes and tips for the most common and difficult issues to navigate in order to get your research published, minimize angst and maximize confidence and success. The author's perspective is to build a career with good publications, while the reviewer's perspective is to keep bad studies from being published, and the editor's job is to be critical but also be constructive. Thus, we have in common producing high-quality research that contributes to new knowledge and will ultimately lead to better outcomes for people with hearing and balance disorders.

4:00 PM - 5:00 PM

T35 SESSION: USING YOUR POSTER TO ADVANCE YOUR CAREER

GRAND BALLROOM DEF

René Gifford, PhD
Angela Garinis, PhD
Dawn Martin, PhD
Lori Leibold, PhD
Gabrielle Merchant, AuD, PhD
Adam Bosen, PhD

A poster presentation can be used as an opportunity to establish yourself in the field, make connections with experts in the field, and showcase your expertise. In this panel discussion, T35 program instructors will answer your questions about the next steps you can take to further your career. We will cover how to approach transitioning from a poster presentation to a peer-reviewed manuscript, how to use your research to build connections with scientists and clinicians, and how to explain the unique skills and knowledge that your research experience has given you. We will be answering live audience questions and questions submitted in advance. If you have a specific topic you would like to discuss please email Adam Bosen (adam.bosen@boystown.org) in advance and we will answer as many questions as we can.

5:30 PM - 6:30 PM

HAPPY HOUR: MENTORING - STUDENTS AND POSTDOCS OF AAS (SPAAS)
GARDEN TERRACE

Saturday, February 26, 2022

7:45 AM – 4:15 PM

Registration **CONVENTION DESK**

8:00 AM – 9:00 AM

TRANSLATIONAL RESEARCH III GRAND BALLROOM DEF

Moderator: Heather Weinreich, MD

Pragmatic Approaches to Overcoming Hearing Healthcare Disparities
Matthew Bush, MD, PhD, MBA
UK College of Medicine Endowed Chair in Rural Health Policy
Professor and Vice Chair for Research
Department of Otolaryngology – Head and Neck Surgery
University of Kentucky Medical Center, Lexington, KY

9:15 AM – 12:15 PM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION IV: ELECTROPHYSIOLOGY AND DIAGNOSTICS GRAND BALLROOM DEF

Moderator: Lisa L. Hunter, PhD

9:15 AM – 9:35 AM

Simultaneous ABR and FFR Recording using a 'Click-Plus' Stimulus
Matthew B. Fitzgerald, PhD, Stanford University, Palo Alto, CA

9:35 AM – 9:55 AM

Measuring Earlier Components of Auditory Brainstem Responses from Modified Speech (**Recorded Presentation**)
Tzu-Han Zoe Cheng, BS, UC San Diego, La Jolla, CA

9:55 AM – 10:15 AM

Ear-Canal Calibration and Noise-Level Monitoring During Audiometry for Children
Ryan McCreery, PhD, Boys Town National Research Hospital, Omaha, NE

10:15 AM – 10:35 AM

Characterizing High Frequency Hearing in 2-3-Year-Olds Born Preterm
Lisa L. Hunter, PhD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

10:35 AM – 10:55 AM

REFRESHMENT BREAK

10:55 AM – 11:15 AM

Characterizing Hearing in Service Members with Self-Reported Temporary Threshold Shifts
Douglas S. Brungart, PhD, Walter Reed National Military Medical Center, Bethesda, MD

11:15 AM – 11:35 AM

Manual and Automated ABR Analysis: Reliability, Agreement and Efficiency
Elizabeth Haley, AuD, VA Pittsburgh Healthcare System; University of Pittsburgh, Pittsburgh, PA

11:35 AM – 11:55 AM

Hearing Impairment in the Extended High Frequencies in Children
Srikanta Mishra, University of Texas Rio Grande Valley, Edinburg, TX

11:55 AM – 12:15 PM

Electroencephalographic Evaluation of the Efficacy of Split-Processing in Hearing Aids
Christopher Slugocki, PhD, WS Audiology Office of Research in Clinical Amplification (ORCA-USA), Lisle, IL

PODIUM SESSION V: COGNITION, MENTAL HEALTH, AND PSYCHOSOCIAL CONSIDERATIONS FOR HEARING HEALTHCARE LA VALENCIA

Moderator: Danielle Powell, AuD, PhD

9:15 AM – 9:35 AM

Association of PTA and Speech-in-Noise Performance with Cognitive Decline
New Investigator Presentation
Danielle Powell, AuD, PhD, Johns Hopkins University, Baltimore, MD

Saturday, February 26, 2022

9:35 AM – 9:55 AM	Hearing Loss and Subjective Cognitive Function in the ARIC-Neurocognitive Study <i>Natalie Lenzen, AuD, Boys Town National Research Hospital, Omaha, NE and Marjan Majid, BS, Rice University, Houston, TX</i>
9:55 AM – 10:15 AM	Associations between Audiometric Hearing, Brain MRI, Cognition and Speech-in-Noise Performance <i>Kening Jiang, MHS, Cochlear Center for Hearing and Public Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD</i>
10:15 AM – 10:35 AM	How do Audiologists Detect and Discuss Mental Wellbeing? <i>(Recorded Presentation)</i> <i>Rebecca J. Bennett, PhD, Ear Science Institute Australia, Subiaco, Australia</i>
10:35 AM – 10:55 AM	REFRESHMENT BREAK
10:55 AM – 11:15 AM	Hearing/Vision Impairments and Social Isolation Over Time in Older Adults <i>Alison R. Huang, Johns Hopkins Cochlear Center for Hearing and Public Health, Baltimore, MD</i>
11:15 AM – 11:35 AM	Mental Health Among Sensory Impaired Individuals During COVID-19 Lockdown Measures <i>Natascha Merten, PhD, Department of Medicine, School of Medicine and Public Health, University of Wisconsin-Madison, Madison, WI</i>
11:35 AM – 11:55 AM	Effect of Hearing Loss on Facial Expressions of Emotion <i>Soumya Venkitakrishnan, MA, University of Iowa, Iowa City, IA</i>
11:55 AM – 12:15 PM	Cognitive Deficits and Speech Understanding in Quiet and Noise <i>Matthew B. Fitzgerald, PhD, Stanford University, Palo Alto, CA</i>

PODIUM SESSION VI: SPEECH PROCESSING AND PSYCHOACOUSTICS LAS PALMAS

Moderator: Justin M. Aronoff, PhD

9:15 AM – 9:35 AM	Mechanisms Underlying the Association between Speech-in-Noise Perception and Extended High-Frequencies <i>Lina Motlagh Zadeh, AuD, PhD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH</i>
9:35 AM – 9:55 AM	Auditory-Spatial Perception and Memory in Children with Hearing Loss <i>Andrea Pittman, PhD, Arizona State University, Tempe, AZ</i>
9:55 AM – 10:15 AM	Does the Ear Turn Itself Down Before Speaking? <i>(Recorded Presentation)</i> <i>Austin Gent, University of Wisconsin-Madison, Madison, WI</i>
10:15 AM – 10:35 AM	Phonological Similarity, but not Vocoding, Impairs Learning of Verbal Sequences <i>Adam K. Bosen, PhD, Boys Town National Research Hospital, Omaha, NE</i>
10:35 AM – 10:55 AM	REFRESHMENT BREAK
10:55 AM – 11:15 AM	The Digit Triplet Test as an Assessment of Speech Perception <i>(Recorded Presentation)</i> <i>Robert Henry Eikelboom, PhD, Ear Science Institute Australia, Subiaco, Australia</i>
11:15 AM – 11:35 AM	Efferent Activation Improves Intensity Change Detection in Human Listeners <i>Yuan He, PhD, University of Wisconsin-Madison, Madison, WI</i>
11:35 AM – 11:55 AM	A Rapid Measurement for Interaural Mismatch and Interaural Time Differences <i>Justin M. Aronoff, PhD, University of Illinois at Urbana-Champaign, Champaign, IL</i>

Saturday, February 26, 2022

11:55 AM – 12:15 PM

Measures of Social-Environmental Confusion in a Pediatric Pilot Study
Erin Nelson-Bakkum, AuD, University of Wisconsin-Madison, Madison, WI

12:15 PM – 12:30 PM

POSTER SESSION II – TAKE DOWN POSTERS TERRAZA

12:30 PM – 1:30 PM

LUNCH OUTDOORS CYPRESS COURT

1:30 PM – 4:00 PM

SPECIAL SESSION: FUTURE THERAPIES FOR THE EARS

GRAND BALLROOM DEF

Moderator: Edwin W Rubel, PhD

Overview: Pharmacological and Genetic Medicines for Sensorineural Hearing Loss
Edwin W Rubel, PhD
University of Washington and Oricula Therapeutic, LLC, Seattle, WA, USA

The Tools We Need to Make Therapies for Hearing Loss: Lessons Learned on a Journey From Bench to Bedside
Lisa Cunningham, PhD
National Institute on Deafness and Other Communication Disorders (NIH/NIDCD), Bethesda, MD USA

Roles of FGFR2b/1b Ligands in Cochlear Sensory and Neural Development
Suzanne L. Mansour, PhD
Department of Human Genetics, University of Utah, Salt Lake City, UT, USA

Development of FX-322: A Potential Hearing Restoration Therapeutic
Will J. McLean, PhD
SVP Hearing Biology and Translational Research, Frequency Therapeutics, Lexington, MA, USA

Development of Protective and Restorative Hearing Therapeutics: DB-020 and DB-OTO
Jonathon Whitton, AuD, PhD
Vice President Clinical Research and Development, Decibel Therapeutics Inc., Boston, MA, USA

OTO-413: Intratympanic BDNF for the Treatment of Hearing Loss
Alan C. Foster, PhD
Chief Scientific Officer, Otonomy, Inc., San Diego, CA, USA

The Hearing Restoration Project and the Challenge of Hair Cell Regeneration
Andrew K. Groves, PhD
Department of Neuroscience, Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, USA

Panel Discussion

4:00 PM – 4:15 PM

SUMMARY AND ADJOURNMENT GRAND BALLROOM DEF

ADDITIONAL PRESENTATION IN ON-DEMAND VIDEO GALLERY

Industry Research Consortium Special Session
(Recorded Presentation)
Jani A. Johnson, AuD, PhD, University of Memphis, Memphis, TN

program agenda

Save the Date

**The AAS 50th Annual Scientific & Technology Conference
will be held at the Scottsdale Plaza Resort in
Scottsdale, Arizona, March 2-4, 2023.**

