



**AMERICAN
AUDITORY
SOCIETY**

**SCIENTIFIC &
TECHNOLOGY
MEETING**

BULLETIN OF THE AMERICAN AUDITORY SOCIETY • MARCH 2023

final program



Scottsdale, AZ • March 2-4, 2023



welcome



Welcome to the 2023 American Auditory Society (AAS) Scientific and Technical Conference!

Thank you for your interest in this year's American Auditory Society (AAS) Scientific and Technical Conference! This is the 50th anniversary of the Society! We are grateful to the Founders for their vision, and to the dedication of the Past Presidents* and Officers of the Society who carried its torch so diligently. This 3-day conference is a celebration of their vision and dedication. To commemorate this occasion, Dr. Ross Roeser, one of the many distinguished Founders of the Society, will provide a brief recap of the Society's history during the Opening Remarks of the conference!

Like previous years, we have an outstanding program. We have 11 manufacturers reporting on their latest research/products in the Technology Update Sessions. Back by popular demand, we will also have a sponsored session from the Industry Research Consortium (IRC). We have over 250 submissions covering oral presentations and posters from prominent (and soon-to-be prominent) researchers and scientists in hearing and balance! This is a must-attend conference for those who want to feel the pulse of the latest research and development in our field. As usual, we have plenty of opportunities for senior researchers to meet up with your fans and for junior researchers to connect with your idols.

Carhart Memorial Lecture

This year's Carhart Memorial Lecture will be delivered by Monita Chatterjee, PhD, on Communicating Emotional Prosody with Cochlear Implants: Predictors and Mechanisms. Dr. Chatterjee is a Senior Scientist at Boys Town National Research Hospital in Omaha, NE. Her work focuses on both basic and translational aspects of auditory and speech perception by patients with cochlear implants. Dr. Chatterjee's talk will provide an overview of her work investigating predictors of individual variability in emotional communication by children and adults with cochlear implants.

Translational Lecture Series

The 2023 Translational Lecture Series includes three talks from exceptional presenters. Hubert H. Lim, PhD will kick off the lecture series with his talk on Bimodal Neuromodulation for Tinnitus Treatment. Dr. Lim is a Professor in the Biomedical Engineering and Otolaryngology Departments as well as a Translational Neuroscience Scholar at the University of Minnesota. Our second translational lecture, the Killion Lecture, will be presented by John G. Casali, PhD, CPE on Auditory Situation Awareness: The Conundrum When Your Life Depends Upon Your Hearing and Your Hearing Depends on Your Hearing Protector. Dr. Casali is the Grado Professor and Director of the Auditory Systems Lab at Virginia Tech University and the Chief Technology Officer at Hearing, Ergonomics & Acoustics Resources (HEAR), LLC. Our final translational research presentation will be presented by Arvil Genene Holt, PhD on From Bench to Bedside: Approaches for Objective Measures and Treatment of Hearing and Balance Dysfunction. Dr. Holt is an Associate Professor in the Department of Ophthalmology, Visual, and Anatomical Sciences at Wayne State University and a Health Research Specialist at the John D. Dingell VAMC.

Special Session: Uncovering Hidden Hearing Loss: Noise Exposure, Tinnitus and Aging

Our Saturday afternoon Special Session will focus on a deeper understanding of Hidden Hearing Loss. In this special session, Sharon G. Kujawa, PhD will present on Cochlear Deafferentation in Noise-Induced and Age-Related Hearing Loss. Dr. Kujawa is Professor of Otolaryngology-Head and Neck Surgery at Massachusetts Eye and Ear and Harvard Medical School. This is followed by Naomi Bramhall, AuD, PhD who will present on Noise-Induced Hidden Hearing Loss: What We Can Learn from Military Veterans. Dr. Bramhall is a research investigator at the VA National Center for Rehabilitative Auditory Research and the Oregon Health & Science University, Department of Otolaryngology-Head and Neck Surgery. The final presentation of the day will be delivered by Colleen Le Prell, PhD on Noise-Induced Hearing Disorders: Hidden and Not-So-Hidden Injuries. Dr. Le Prell is the Emilie and Phil Schepps Professor of Hearing Science, Chair of the Department of Speech, Language, and Hearing, and Program Head for the PhD Program in Speech, Language, and Hearing Sciences at the University of Texas at Dallas.

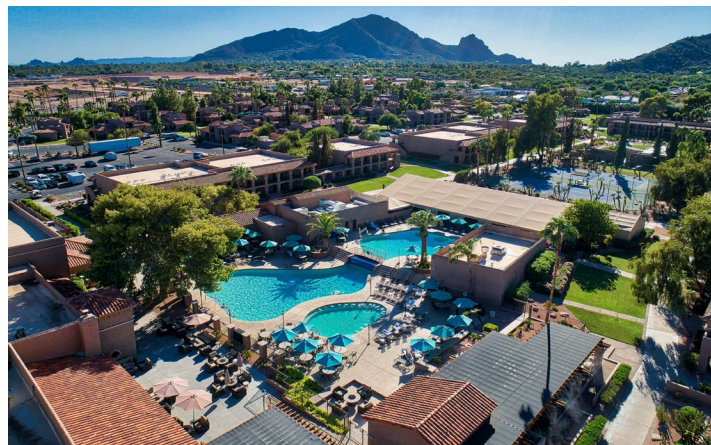
Awards

Our President, Dr. René Gifford will provide a membership update and host the Awards & Recognitions session on Friday afternoon. We are pleased to be honoring Brenda Ryals, PhD with the AAS Life Achievement Award. In addition to her many years of service to the Society and her contributions to the profession, Dr. Ryals has been instrumental in building the reputation of the *Ear & Hearing* journal to the level that it enjoys today. We will also announce this year's *Ear & Hearing* Editors' Award and the Readers' Choice Award to be presented by our new Editor-in-Chief of *Ear & Hearing*, Dr. Ruth Litvosky.

Because of the generosity of the NIDCD, the Society is able to support Student Travel Awards. We are indeed indebted to NIDCD for its generous and continual support for the Society.

I would also like to congratulate the Early Career Research Award Presentation recipient Kaylah Lalonde, PhD and winners of the AAS New Investigator Travel Awards - Jessica West, Alison Huang and Jithin Balan. They will be sharing their research during podium presentations.





Social Events

We will be celebrating our 50th anniversary on Thursday evening following the Carhart Memorial Lecture at the beautiful Scottsdale Plaza Resort. A special invitation has been made to all our Founders and Past Presidents. These individuals shared their time and wisdom with us so the Society may grow to what it is today. Please take this opportunity to meet and thank them. Share a drink and be inspired by their examples. To allow everyone a chance to explore beautiful Phoenix/Scottsdale, we have left Friday evening open to your discretion. Strengthen the bonds with your colleagues, make new friends, or just chill.

Support for the Society

The Society has been fortunate to receive generous support from NIDCD and our corporate partners so we can keep the membership and registration fees at a minimum and more students may participate. To encourage student participation and support more student research, the Society needs financial support from all of us. To this end, we established the IDEA fund which supports diversity research and activities at the Society. To honor the Founders, Past Presidents, and Officers of the Society, we have also set up a "Foundraising" fund to support additional student attendance and research. We have a goal of \$100,000 and we are glad to say we are off to a great start with several donations already. Please be generous with your donations (you get a tax write-off also). Contact our Executive Director, Darla Eastlack if you are interested in donating to either the IDEA or the Foundraising fund (or both). The future of hearing and balance research is in our hands.

Final Words

Finally, I would like to express my deepest gratitude to our AAS Executive Director, Darla Eastlack, for her dedication and guidance in making sure that this meeting can be executed successfully. Additionally, I would like to thank members of the 2023 AAS Program Committee** who reviewed over 250 submitted abstracts, and members of the Board of Directors who agreed to serve as moderators for the podium sessions. Without their help and dedication, this meeting would not be possible.

Despite how much preparation we make, this meeting will not be successful if YOU do not participate. Thus, I am grateful to all who support the Society by submitting your abstracts for review. I am grateful to all who register and attend the meeting. I am hopeful that you will find the experience memorable, the knowledge-learned beneficial, and the friendship that you will forge at this meeting life-long. Looking forward to meeting everyone at the Conference!



Francis Kuk, PhD
2023 Program Chair

*FOUNDERS AND PAST PRESIDENTS OF THE AMERICAN AUDITORY SOCIETY

First (1973) AAS Executive Committee

Charles Berlin, PhD
Robert Briskey, MA
Marion Downs, MA
Myer Fox, MD
Aram Glorig, MD, President
Bruce Graham, PhD
Fred Lenthicum, MD
Sam Lybarger, BS

Geary McCandless, PhD
Ralph Naunton, MD
Jerry Northern, PhD
Ross Roeser, PhD, Secretary/Treasurer
F. Blair Simmons, MD
Tom Tillman, PhD
W. Dixon Ward, PhD

Past and Present Presidents

Aram Glorig (1973-1975)
W. Dixon Ward (1976)
Geary McCandless (1977)
F. Blair Simmons (1978)
Sam Lybarger (1979)
Laura Ann Wilber (1980)
Ralph Naunton (1981-1982)
Charlie Anderson (1983-1984)
Don Worthington (1985-1986)
LaVonne Bergstrom (1987)
Wayne Staab (1988-1990)
David Lilly (1991-1992)

Deborah Hayes (1993-1994)
Pat Brookhouser (1995)
Mead Killion (1996-1997)
Chris Bauch (1998-1999)
Brenda Ryals (2000-2001)
Debara Tucci (2002-2003)
Tom Powers (2004-2005)
Roger Ruth (2006-2007)
Michael Gorga (2008-2009)
Jay Rubinstein (2010)
Karen Doyle Enright (2010)
Tim Trine (2011)

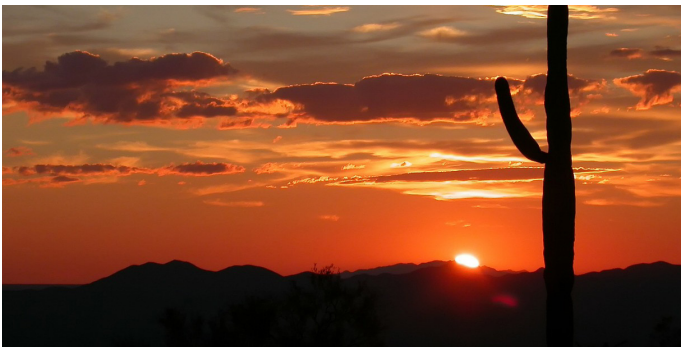
Yvonne Sininger (2012)
Linda Hood (2013)
Konstantina Stankovic (2014)
Harvey Abrams (2015)
Beth Prieve (2016)
Anil Lalwani (2017)
Bob Burkard (2018)
Brent Edwards (2019)
Sumit Dhar (2020)
Charles Limb (2021)
René Gifford (2022)
Francis Kuk (2023)

**Members of the Program Committee

Carmen Brewer
Emily Buss
Sumit Dhar
Viji Easwar
Dave Fabry
Erick Gallun
Jason Galster
Tina Greico-Calub

O'neil Guthrie
Lisa Hunter
Petri Korhonen
Anil Lalwani
Lori Leibold
Devin McCaslin
Ryan McCreery
Hua Ou

Beth Prieve
Chris Slugocki
Sherri Smith
Jessica Sullivan
Heather Weinreich
Yu-Hsiang Wu
Chris Zalewski





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

Wednesday, March 1, 2023

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

Thursday, March 2, 2023

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

Go Behind the Scenes: A New Beginning with Starkey's Next-Generation Technology

Michelle L. Hicks, PhD, Starkey **GRAND BALLROOM ABC**

Session 1B

Advances in SmartEP for Averaging, SNR Estimation and Audiovisual Integration

Rafael E. Delgado, PhD, Intelligent Hearing Systems Corp **GRAND BALLROOM D**

Session 1C

ReSound's Unique Approach to Directionality: The Scientific Evidence and Resulting Benefits to Users

Jill Mecklenburger, AuD, GN Hearing **GRAND BALLROOM EF**

8:30 AM – 8:55 AM

Repeat of Sessions 1A – 1C

9:00 AM – 9:55 AM

TECHNOLOGY UPDATES, SESSION 2

9:00 AM – 9:25 AM

First Round

Session 2A

Jabra Enhance: Optimizing Client Engagement in the Digital World

Harvey B. Abrams, PhD, Jabra Hearing **GRAND BALLROOM ABC**

Session 2B

Hearing Devices and Quality of Life: Do Newer Advanced Features Drive Higher Levels of Patient Outcomes?

Brian J. Taylor, AuD, WSAudiology - Signia **GRAND BALLROOM D**



Thursday, March 2, 2023

Session 2C

Update on Companion Mics Developments

Mead C. Killion, PhD, MCK Audio **GRAND BALLROOM EF**

Session 2D

Assessment of Middle Ear Function Using Wideband Tympanometry: Current Practices and Future Prospects

Hammam AlMakadma, AuD, PhD, CCC-A, University of Louisville, Louisville, KY; on behalf of Interacoustics **EL TEATRO**

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

Widex SoundRelax: Expanding Options for Managing Tinnitus and Stress

Dana Helmink, AuD, Widex USA **GRAND BALLROOM ABC**

Session 3B

Preclinical Development of AK-OTOF: A Genetic Medicine for Otoferlin Gene-Mediated Hearing Loss

Michelle D. Valero, PhD, Akouos, Inc. **GRAND BALLROOM D**

Session 3C

Clinical Benefits of a New Approach to Adaptive Directionality with Phonak Lumity

Kevin D. Seitz-Paquette, AuD, Sonova **GRAND BALLROOM EF**

Session 3D

Development of SPI-1005 for the Treatment of Hearing Loss and Tinnitus

Jonathan Kil, MD, Sound Pharmaceuticals **EL TEATRO**

10:30 AM – 10:55 AM

Repeat of Session 3A – 3D

11:00 AM – 12:00 PM

IRC SPONSORED SESSION **GRAND BALLROOM ABC**

12:00 PM – 12:45 PM

LUNCH OUTDOORS **CYPRESS COURT**

12:40 PM – 12:45 PM

POSTER SESSION I SETUP – PUT UP POSTERS **TERRAZA**

12:45 PM – 1:10 PM

OPENING COMMENTS **GRAND BALLROOM ABC**

René Gifford, PhD, AAS President

Francis Kuk, PhD, President-Elect and Program Chair

Ross Roeser, PhD, Founding Member

Thursday, March 2, 2023

1:10 PM – 2:10 PM

TRANSLATIONAL RESEARCH I **GRAND BALLROOM ABC**

Moderator: Charles J. Limb, MD

Bimodal Neuromodulation for Tinnitus Treatment

Hubert H. Lim, PhD

Professor in Biomedical Engineering and Otolaryngology, Endowed Lions

Professorship in Otolaryngology, University of Minnesota, Minneapolis, MN

2:25 PM – 4:40 PM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION I: AMPLIFICATION I - OVER-THE-COUNTER (OTC) DEVICES **GRAND BALLROOM ABC**

Moderator: Shilpi Banerjee, PhD

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|-------------------------------------|--|
| 2:25 PM – 2:45 PM | Evaluation of Over-the-Counter Earbuds to Improve Hearing and Communication
<i>Nicky Chong-White, PhD, National Acoustic Laboratories, Sydney, Australia</i> |
| 2:45 PM – 3:05 PM | Outcomes of Self-Fitting Over-the-Counter (OTC) Hearing Aids When Compared to Hearing Aids Fit by Hearing Care Professionals
<i>Vinaya Manchaiah, AuD, PhD, University of Colorado School of Medicine, Aurora, CO</i> |
| 3:05 PM – 3:25 PM | Priming Effects: Labeling Hearing Aids as “Prescriptive” or “Over-the-Counter”
<i>Ashley Wright, AuD, Sonova, Itasca, IL</i> |
| 3:25 PM – 3:40 PM BREAK | |
| 3:40 PM – 4:00 PM | Revisiting Consumer Attitudes towards Direct-to-Consumer Models of Hearing Healthcare
<i>Jasleen Singh, AuD, PhD, Northwestern University, Evanston, IL</i> |
| 4:00 PM – 4:20 PM | Using an OTC Hearing Device With and Without Audiology Service
<i>Hua Ou, MD, PhD, NIH/NIDCD, Bethesda, MD</i> |
| 4:20 PM – 4:40 PM | Barriers/Facilitators to Over-the-Counter Hearing Aid Use in People With Dementia
<i>Dana Patton Urbanski, AuD, University of Minnesota, Champlin, MN</i> |

PODIUM SESSION II: HEARING CARE SERVICE DELIVERY AND TINNITUS **GRAND BALLROOM DEF**

Moderator: Rachael Frush Holt, PhD

- | | |
|-------------------------------------|---|
| 2:25 PM – 2:45 PM | Patient Demographics and Hearing Screening in Primary Care Clinics
New Investigator Presentation
<i>Jessica S. West, PhD, Duke University, Durham, NC</i> |
| 2:45 PM – 3:05 PM | Generational Differences in Prevalence of Hearing Loss and Hearing-Aid Use
<i>Lauren K. Dillard, AuD, PhD, Medical University of South Carolina, Charleston, SC</i> |
| 3:05 PM – 3:25 PM | A Large-Scale Study of Progression of Hearing Loss in Australian Children
<i>Jessica J.M. Monaghan, PhD, National Acoustic Laboratories, Sydney, Australia</i> |
| 3:25 PM – 3:40 PM BREAK | |

Thursday, March 2, 2023



program agenda

- 3:40 PM – 4:00 PM Advancing Hearing Health Equity for Older Adults: The HEARS RCT
Carrie L. Nieman, MD, Johns Hopkins School of Medicine, Baltimore, MD
- 4:00 PM – 4:20 PM A Genome-Wide Association Study Identifies Shared Genetic Links Between Tinnitus and Health-Related Comorbidities
Ishan S. Bhatt, PhD, University of Iowa, Iowa City, IA
- 4:20 PM – 4:40 PM A Preliminary Study of Tinnitus Activities Treatment-Online
Ann Perreau, PhD, Augustana College, Rock Island, IL

PODIUM SESSION III: SPEECH TESTING, PROCESSING AND PSYCHOACOUSTICS LA VALENCIA

Moderator: Tina M. Grieco-Calub, PhD

- 2:25 PM – 2:45 PM Audiometric Variables that Influence Speech Recognition in Quiet and Noise
Matthew B. Fitzgerald, PhD, Stanford University, Palo Alto, CA
- 2:45 PM – 3:05 PM Identifying Latent Factors Linked to Individual Differences in Speech Recognition
Adam Bosen, PhD, Boys Town National Research Hospital, Omaha, NE
- 3:05 PM – 3:25 PM Experience with the Adaptive Everyday Word Test
David Zapala, PhD, Mayo Clinic, Jacksonville, FL
- 3:25 PM – 3:40 PM BREAK**
- 3:40 PM – 4:00 PM Audiovisual Speech Cues Facilitate Children's Recognition of Degraded Speech
Tina M. Grieco-Calub, PhD, Rush University Medical Center, Skokie, IL
- 4:00 PM – 4:20 PM Effects of Interaural Asymmetry and Spread of Excitation on Fusion
Justin Aronoff, PhD, University of Illinois at Urbana-Champaign, Champaign, IL
- 4:20 PM – 4:40 PM Cochlear Synaptopathy in Service Members with Self-Reported Temporary Hearing Loss
Douglas Brungart, PhD, Walter Reed National Military Medical Center, Bethesda, MD

5:00 PM – 6:15 PM

CARHART MEMORIAL LECTURE GRAND BALLROOM ABC

Moderator: Francis Kuk, PhD

Communicating Emotional Prosody with Cochlear Implants:
Predictors and Mechanisms
Monita Chatterjee, PhD
Senior Scientist & Director, Auditory Prostheses & Perception Laboratory,
Center for Hearing & Speech Perception Research, Boys Town National
Research Hospital, Omaha, NE

6:30 PM – 7:30 PM

50TH ANNIVERSARY CELEBRATION

CYPRESS COURT



Friday, March 3, 2023

7:45 AM – 1:30 PM

Registration **CONVENTION DESK**

8:00 AM – 8:30 AM

EARLY CAREER RESEARCH AWARD PRESENTATION **GRAND BALLROOM ABC**

Moderator: Lisa L. Hunter, PhD

Audiovisual Speech Enhancement: Effects of Development and Hearing Loss
Kaylah Lalonde, PhD
Boystown National Research Hospital, Omaha, NE

8:30 AM – 9:30 AM

TRANSLATIONAL RESEARCH II - KILLION LECTURE **GRAND BALLROOM ABC**

Moderator: Dave Fabry, PhD

Auditory Situation Awareness: The Conundrum When Your Life Depends Upon Your Hearing and Your Hearing Depends on Your Hearing Protector
John G. Casali, PhD, CPE
Grado Professor and Director, Auditory Systems Lab, Virginia Tech University and Chief Technology Officer, Hearing, Ergonomics & Acoustics Resources (HEAR), LLC, Blacksburg, VA

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**

11:30 AM

LUNCH **CYPRESS COURT**

Box lunches will be available for pick-up beginning at 11:30 am

11:45 AM – 12:45 PM

AWARDS & RECOGNITIONS **GRAND BALLROOM ABC**

Membership Update: René Gifford, PhD, AAS President

LIFE ACHIEVEMENT AWARD: Brenda Ryals, PhD, James Madison University, Harrisonburg, VA

EAR AND HEARING UPDATE: Ruth Litovsky, PhD, Editor-in-Chief

EAR AND HEARING EDITORS' AWARD: Prodi, Nicola; Visentin, Chiara (2022), A Slight Increase in Reverberation Time in the Classroom Affects Performance and Behavioral Listening Effort Ear and Hearing. 43(2):460-476

EAR AND HEARING READERS' CHOICE AWARDS:

Dillon, Margaret T.; Kocharyan, Armine; Daher, Ghazal S.; Carlson, Matthew L.; Shapiro, William H.; Snapp, Hillary A.; Firszt, Jill B. (2022), American Cochlear Implant Alliance Task Force Guidelines for Clinical Assessment and Management of Adult Cochlear Implantation for Single-Sided Deafness, Ear and Hearing. 43(6):1605-1619

Park, Lisa R.; Griffin, Amanda M.; Sladen, Douglas P.; Neumann, Sara; Young, Nancy M. (2022), American Cochlear Implant Alliance Task Force Guidelines for Clinical Assessment and Management of Cochlear Implantation in Children with Single-Sided Deafness, Ear and Hearing. 43(2):255-267

Warner-Czyz, Andrea D.; Roland, J. Thomas Jr; Thomas, Denise; Uhler, Kristin; Zombek, Lindsay (2022), American Cochlear Implant Alliance Task Force Guidelines for Determining Cochlear Implant Candidacy in Children, Ear and Hearing. 43(2):268-282

Friday, March 3, 2023

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

NIH-NIDCD SESSION ON NRSA FUNDING MECHANISMS AND DIVERSITY INITIATIVES GRAND BALLROOM ABC

Moderator: Jessica R. Sullivan, PhD

Organized by the Student and Post-Doctoral Mentoring Committee

Speaker: Cendrine Robinson PhD, MPH, Chief Diversity Officer, National Institute on Deafness and Other Communication Disorders, NIH

This session is geared toward AuD and PhD students, post-doctoral fellows, and early career investigators. The session will cover information about NIH National Research Service Award (NRSA) Fellowships and Diversity Initiatives, as well as advice and keys for successful applications. Ample time will be provided for audience questions.

4:00 PM - 5:30 PM

LEARNING FROM OUR PAST, SHARING THE PRESENT, ENVISIONING OUR FUTURE: GENDER AND BIAS IN SCIENCE GRAND BALLROOM ABC

Moderator: Lisa L. Hunter, PhD

Organized by the Student and Post-Doctoral Mentoring Committee

Gender, race, ethnicity, and social class are difficult topics to navigate as you launch and build your career. Reflecting over the past 50 years that the American Auditory Society has been in existence, the world has changed dramatically, and our workplaces have evolved to varying degrees. The past 3 years brought a tsunami of change, and we are all navigating nebulous boundaries of virtual and in-person work, while many of us are more isolated and in need of support from colleagues, peers, and mentors. This round table session will feature women scientists at senior, middle, and early career levels to share their perspectives on sexism, racism and class on careers.

A moderated interactive round table discussion on these topics will follow. A summary panel discussion will wrap up the afternoon. Everyone is welcome to attend - people of all backgrounds and levels of experience can contribute to and be allies in this discussion. Our goal is to evoke positive ways we can build a future where everyone is empowered to use their talents to contribute to advances in hearing and balance.

Panel: Yvonne Sininger, PhD; Jessica Sullivan, PhD; Shamine Alves

Round Tables: Angela Garinis, PhD; Gabriella Musacchia PhD; Chanel Hudson

5:45 PM - 6:45 PM

HAPPY HOUR: MENTORING - STUDENTS AND POSTDOCS OF AAS (SPAAS) CYPRESS COURT EAST

Informal setting to socialize and meet new people. Anyone who is an AuD or PhD student, a Post-Doc or Early Career Professional, or is interested in being a mentor to one, please join us! A cash bar and light snacks will be available.

Saturday, March 4, 2023

7:45 am – 4:15 pm

Registration **CONVENTION DESK**

8:00 AM – 9:00 AM

TRANSLATIONAL RESEARCH III **GRAND BALLROOM DEF**

Moderator: Jessica R. Sullivan, PhD

From Bench to Bedside: Approaches for Objective Measures and Treatment of Hearing and Balance Dysfunction

Avril Genene Holt, PhD

Wayne State University School of Medicine, Detroit, MI

9:15 AM – 12:15 PM

CONCURRENT PODIUM PRESENTATIONS

PODIUM SESSION IV: ELECTROPHYSIOLOGY AND DIAGNOSTICS **GRAND BALLROOM DEF**

Moderator: O'neil Guthrie, PhD

9:15 AM – 9:35 AM Effect of Extended High-Frequency Hearing on Cochlear and Brainstem Function

New Investigator Presentation

Jithin R. Balan, PhD, University of Texas at Austin, Austin, TX

9:35 AM – 9:55 AM Substance Misuse: Effects on Auditory and Vestibular Function

Michelle L. Hughes, PhD, University of Nebraska-Lincoln, Lincoln, NE

9:55 AM – 10:15 AM Optimal ASSR Stimulus Repetition Rates in Normal and Hearing-Impaired Infants

Ute Geiger, PhD, University Hospital of Wuerzburg, Wuerzburg, Germany

10:15 AM – 10:35 AM Extended High Frequency Thresholds, Otoacoustic Emissions, and Medial Olivocochlear Reflex

W. Wiktor Jedrzejczak, PhD, Institute of Physiology and Pathology of Hearing, Warsaw, Poland

10:35 AM – 10:55 AM REFRESHMENT BREAK

10:55 AM – 11:15 AM Efferent Functioning Following Resolved Otitis Media

Srikanta Mishra, PhD, The University of Texas at Austin, Austin, TX

11:15 AM – 11:35 AM Ears Rumble, But Which Muscle Takes the Volitional Tumble?

Felicia Herlevi, BS, University of Wisconsin-Madison, Madison, WI

11:35 AM – 11:55 AM Therapeutic Benefit of Acute Mild Hypothermia Applied Following Non-Neuropathic Noise

Samantha Rincon Sabatino, BS, University of Miami, Miami, FL

11:55 AM – 12:15 PM The Diagnostic Utility of Cervical Vestibular Evoked Myogenic Potential as an Indicator of Vestibular Noise Injury

Hillary A. Snapp, AuD, PhD, University of Miami, Miami, FL

PODIUM SESSION V: HEARING LOSS AND ASSOCIATED RISKS LA VALENCIA

Moderator: Heather Weinreich, MD

9:35 AM – 9:55 AM Social Isolation and Loneliness Among Older Adults with Hearing Loss in the ACHIEVE Study

[New Investigator Presentation](#)

Alison R. Huang, PhD, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

9:55 AM – 10:15 AM Association Between Hearing Loss & Loneliness: A Cross-sectional Population Study

Jonathan J. Suen, AuD, Johns Hopkins Cochlear Center for Hearing and Public Health, Baltimore, MD

10:15 AM – 10:35 AM Hearing Loss and Prevalence of Depression in Older Adults in the U.S.
Joseph Shen, MS, The Cochlear Center for Hearing and Public Health at the Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

10:35 AM – 10:55 AM REFRESHMENT BREAK

10:55 AM – 11:15 AM Association Between Health Literacy, Cognition, and Hearing-Related Outcomes

Hua Ou, MD, PhD, NIH/NIDCD, Bethesda, MD

11:15 AM – 11:35 AM Dementia Risk Attributable to Hearing Loss Among Older Americans
Jason R. Smith, MS, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

11:35 AM – 11:55 AM Hearing Loss and Fatigue in Middle-Aged and Older Adults
Kening Jiang, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

11:55 AM – 12:15 PM Sensory Gating and Noise Acceptance in Listeners (With)out Hearing Loss

Christopher Slugocki, PhD, WS Audiology, Lisle, IL

PODIUM SESSION VI: AMPLIFICATION II - EVALUATION, OUTCOME AND REHABILITATION

GRAND BALLROOM ABC

Moderator: Jason Galster, PhD

9:15 AM – 9:35 AM Music Re-Engineering Impacts Music Enjoyment Among Single-Sided Deafness Cochlear Implantees

Dongwon Lee, BA, Columbia University Vagelos College of Physicians and Surgeons, New York, NY

9:35 AM – 9:55 AM Participant-Identified Listening Goals in the ACHIEVE Study

Sarah Faucette, AuD, PhD, University of Mississippi Medical Center, Madison, MS

9:55 AM – 10:15 AM Development of Empowerment Audiology Questionnaires (EmpAQ) to Measure Hearing-Related Empowerment

Melanie Ferguson, PhD, Curtin University, Perth, Australia

10:15 AM – 10:35 AM Can In-Situ Self-Reports Prevent Narrative Effects? An EMA Study
Yu-Hsiang Wu, MD, PhD, University of Iowa, Iowa City, IA

10:35 AM – 10:55 AM REFRESHMENT BREAK

Saturday, March 4, 2023

- 10:55 AM – 11:15 AM Optimal Response Format for Microinteraction-Based Ecological Momentary Assessment (Micro-EMA)
Yu-Hsiang Wu, MD, PhD, University of Iowa, Iowa City, IA
- 11:15 AM – 11:35 AM Inferring Real-World Listening Effort from Data-Logging with Hearing Aids
Jeppe Christensen, PhD, Eriksholm Research Centre, Snekkersten, Denmark
- 11:35 AM – 11:55 AM Use of Natural Language Processing to Examine Hearing Aid Outcomes from Open-Ended Text
Vinaya Manchaiah, AuD, PhD, University of Colorado School of Medicine, Aurora, CO
- 11:55 AM – 12:15 PM Use of Machine Learning to Predict Adult Cochlear Implant Outcomes
Aaron C. Moberly, MD, Vanderbilt University Medical Center, Nashville, TN

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: UNCOVERING HIDDEN HEARING LOSS: NOISE EXPOSURE, TINNITUS AND AGING GRAND BALLROOM DEF

Moderator: René Gifford, PhD

Cochlear Deafferentation in Noise-Induced and Age-Related Hearing Loss
Sharon G. Kujawa, PhD

Professor of Otolaryngology-Head and Neck Surgery, Massachusetts Eye and Ear and Harvard Medical School, Boston, MA

Noise-Induced Hidden Hearing Loss: What We Can Learn from Military Veterans
Naomi Bramhall, AuD, PhD

VA National Center for Rehabilitative Auditory Research, Oregon Health & Science University Department of Otolaryngology-Head and Neck Surgery, Portland, OR

Noise-Induced Hearing Disorders: Hidden and Not-So-Hidden Injuries
Colleen Le Prell, PhD

The University of Texas at Dallas, Richardson, TX

Panel Discussion

4:00 PM – 4:15 PM

SUMMARY AND ADJOURNMENT GRAND BALLROOM DEF



“FOUNDRAISING”

We're excited to announce a new “Foundraising” campaign, with a goal of \$100,000 to support student scholarship and travel to the annual AAS Conference for years to come.

We hope you will help us realize this goal. Please visit <https://aas.memberclicks.net/fundraising> for more details!

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List current as of program printing; an updated list will be shared on-site at the AAS Conference and on the AAS website.

foundraising



Save the Date

**The AAS 51st Annual Scientific & Technology Conference
will be held at the Scottsdale Plaza Resort in
Scottsdale, Arizona, February 15-17, 2024.**