2023 ARO MIDWINTER MEETING

Program Book
ARO COUNCIL MEMBERS

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AVRIL GENENE HOLT, PH.D.
Council Member (2022-2025)
Welcome to ARO 2023 in Orlando! ARO was founded in 1973, making this our 50th year! You can all be proud to be part of this terrific organization.

We are grateful to our members for keeping research in otolaryngology strong the past few years, with a blizzard of on-line events and two successful virtual meetings. It will be wonderful to see everyone in person this year.

This year brought 1191 abstract submissions, resulting in 217 oral presentations and 966 posters. Dr. Matt Kelley, who served as ARO President in the past, continues to provide leadership for ARO as the Chair of the Program Committee. Dr. Matt Kelley, Dr. Steve Lomber and the members of the Program Committee have organized a fantastic meeting. The Presidential Symposium is titled ‘Auditory Processing, Pathology and Remediation,’ with talks by Drs. Christopher Shera, Karl Grosh, Laurel H. Carney, Raymond Goldsworthy, Richard Einhorn, and Debara Tucci. This session will take place on Saturday, February 11th from 8 AM - 12 PM in the Ocean's Ballroom 5-12.

Dr. Doris Wu will receive the Award of Merit, the highest commendation in our society. We look forward to celebrating her accomplishments at the Award of Merit session on Monday, February 13th from 6 PM - 7:30 PM in the Ocean's Ballroom 5-12. The ceremony will be followed by a reception where all attendees are welcome.

Young Investigators: spARO has curated a full schedule for you including mentorship sessions and networking! Be sure to view the schedule and plan your conference experience.

Debara Tucci, Director of the NIDCD, will hold a Town Hall meeting on Sunday, February 12th from 6 PM - 6:30 PM in the Crystal Ballroom D-E, in conjunction with the ARO Business Meeting. At the conclusion of the business meeting, I will hand the gavel to our President-Elect, Dr. Yuri Agarwal, and thank Past-President, Dr. John Oghalai, and Past-Past-President Dr. Ruth Litovsky for all their help, and their outstanding service to ARO.

Again, it is my great pleasure to welcome attendees to the 2023 MidWinter Meeting. I hope you have a wonderful time at ARO!
About ARO

OUR HISTORY
The association was founded in 1973. It is under the direction of the ARO Council that consists of a President, a Past President, a President-Elect, a Secretary-Treasurer, a Communications Officer, a Program Committee chair, a Nomination Committee chair, and three Council Members At-Large, all of whom are elected from and by the membership. The functions of the organization are established through bylaws carried out with the help of committees and counsel from past presidents.

OUR MISSION STATEMENT
The mission of the Association shall be to encourage and promote basic and clinical research in the broad fields of Otolaryngology, hearing and balance science, and related areas. To achieve these objectives, and to foster collegial assembly and stimulate scientific collaboration among its members, the Association shall encourage year-round scientific engagement through meetings and other activities.

OUR VISION
Our vision is to pioneer inventive excellence in pure and applied science by nurturing researchers to perform the most rigorous and exciting science in the study of hearing and balance and related otolaryngological fields. We seek to use our collective knowledge to make fundamental discoveries and develop ground-breaking treatments that improve quality of life.

OUR CORE VALUES
- **Science:** We promote rigorous original (same as mission) basic science and clinical research that moves forward our understanding of hearing and balance sciences and related fields. We strive to provide a forum for dissemination and meaningful discussion of results.
- **Diversity:** We acknowledge and honor the fundamental value and dignity of all individuals. We are committed to maintaining an inclusive environment that removes barriers and respects diverse people, approaches, and ideas.
- **Integrity:** We maintain the highest ethical standards in the collection, sharing and dissemination of research and champion best practices in both basic and clinical experimentation.
- **Collaboration:** We believe in listening and evolving together by embracing the exchange of ideas through initiatives including, but not limited to, interdisciplinary research, education, mentorship, and professional networking.
- **Education:** We support and empower our community by providing multi-faceted educational and mentorship opportunities relevant to early career professionals and throughout the career-span.
Closed Captioning
ARO is providing live captioning in all its sessions and recordings.

Recording Policy
ARO does not permit audio or photographic recording of any research data presented at the meeting- except for individuals who may have difficulty understanding the speaker during their initial presentation. Sessions that are being recorded by ARO will be available to registered attendees after the conclusion of the MidWinter Meeting for 14 days of additional viewing.

Breaks
Breaks have been added to the meeting agenda in hopes of limiting fatigue. Please take breaks as needed.

A Special Note for the Disabled
ARO wishes to take steps that are required to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently than other individuals because of the absence of auxiliary aids and services.

If you need any auxiliary aids or services identified in the American with Disabilities Act, or any assistance, please contact ARO Meetings Department at headquarters@aro.org; via telephone at 615-432-0100.
SCHEDULE OF EVENTS

View the online schedule for the most up-to-date times, room assignments, and speaker times. By expanding the speaker list you can see when each speaker is slotted to present.

You can add the sessions you don't want to miss to your personal calendar and view the 2023 MWM abstracts in the schedule too! Visit the online schedule and select 'Abstract/Session info' for any session to see all that was submitted!

For a full guide on the tools available to you in the schedule, please see here.
Download the ARO Mobile App

Download the app to view the agenda, chat with fellow attendees, view posters, and more!

Search "ARO 2023"
THE 2023 MIDWINTER MEETING LOCATION IS THE RENAISSANCE ORLANDO AT SEAWORLD!

The sophisticated design flows through over 215,000 square feet of innovative, flexible function space including the new and dynamic 30,000 sq. foot expansion and expansive 20,000 square feet of lush, outdoor event space. From our breathtaking 10-story sunbathed lobby to our 781 modern, residential suites and luxurious guest rooms - among the largest in the Orlando area - a distinctive, exhilarating journey to discovery awaits. The seasoned staff will exceed your expectations and provide the perfect combination of location, amenities and unexpected touches to create an unparalleled and memorable meeting. It’s all here at the Renaissance Orlando at SeaWorld.

ADDRESS: 6677 Sea Harbor Drive, Orlando, Florida, 32821 USA

Additional Information:
- Transportation
- Nearby Restaurants
- Off Property Attractions
- Plan Your Visit Website
- Onsite Parking

AVAILABLE ACCESSIBILITY & ACCOMMODATIONS

ARO has Assisted Listening Devices available at the registration desk should they be desired. Please come to the registration desk and speak with an ARO Staff member (wearing green) for assistance. Each meeting room has an assigned receiver number for you to use for each session in that room.

ARO has translators available at the registration desk should they be desired. Please come to the registration desk and speak with an ARO Staff member (wearing green) for assistance.
JOIN THE CONVERSATION
ARO has gone social and we invite you to join the online conversation. Please be sure to follow/like the following ARO social media accounts:

@AROMWM  @AROMWM

And do not forget to use the hashtag #2023MWM if you post pictures or comments about the 2023 Meeting.

NURSING MOTHERS
If you are in need of using the private nursing mothers room, please ask a member of the ARO staff (wearing green).

Need to check in? Ask a question? Get assistance? Find us at the ARO Registration Desk during these hours:

- Friday, 2/10/2023, 3:00 PM - 6:00 PM, Atrium
- Saturday, 2/11/2023, 7:00 AM - 7:00 PM, Crystal Registration
- Sunday, 2/12/2023, 7:00 AM - 7:00 PM, Crystal Registration
- Monday, 2/13/2023, 7:00 AM - 5:00 PM, Crystal Registration
- Tuesday, 2/14/2023, 7:00 AM - 6:00 PM, Crystal Registration
- Wednesday, 2/15/2023, 7:00 AM - 11:00 AM, Crystal Registration

Outside of registration hours, email headquarters@aro.org.
ARO is turning 50!

Join us in celebrating 50 years of comradery and science by sharing your favorite memories on social media!

Use #AROi50 so we can see your best ARO memories!
ON-SITE POSTER DETAILS

The working area for displaying each poster presentation is four (4) feet high and eight (8) feet wide.

On your designated date, poster presenters will set up their poster according to your assigned number via the online schedule. Please see an example of how to find your assigned poster number and date here (Ex. SU1 = Sunday Poster #1):

Daily Poster Session Hours are Noon to Noon. Poster Presenters are to hang their physical poster on their assigned poster board no later than 11:59 AM on their assigned date; then remove their poster the following day, no later than 11:59 AM due to the next poster session beginning at 12 PM. The poster session room doors open at 6:00 AM daily.

Mount your materials on the fiberboard by means of push pins (thumbtacks), which will be provided. Since your display will be held on the fiberboard with push pins, DO NOT mount your presentation materials on heavy board because doing so may make it difficult to keep the material in position.

E-POSTER DETAILS

Attendees will be able to view e-posters online before, during and after the meeting. Poster presenters are to have their poster, transcript, and audio uploaded by February 8, 2023. CLICK HERE for a guide on how to navigate the virtual poster hall. You must be logged in and registered for the meeting to view the posters.

• All in-person posters presenters will have an e-poster

• Attendees may leave comments and questions on a poster at any time. Presenters can then answer these questions online and/or in-person if you visit their poster.

Access the virtual poster hall!
NAME BADGES

Below are descriptions of the items you can add to your name badge. Take any that you desire!

- **Rainbow/Ally Sticker** - This sticker aims to support LGBTQ+ inclusion and equality in the meeting place. An Ally aims to raise knowledge, create understanding, and equip people not part of the LGBTQ+ community to be an ally for colleagues who are identifying as LGBTQ+.

- **Name Badge Ribbons** - Badge ribbons are a way to recognize & identify the roles of some attendees during the conference! Add those that apply to you!

JOB BOARD

ARO has a virtual job board where interested parties can post their open positions and those open to new opportunities can share their resumes. Linked below is access to this virtual job board. You must be logged in and registered for the meeting to view the job board.

Access the virtual job board!

Onsite meeting attendees will be able to indicate if they have an open position or if they are interested in learning about job opportunities by wearing a cyan or yellow round sticker on their name badge.

- **Cyan Dot** - I am interested in learning about job opportunities!
- **Yellow Dot** - Ask me about job opportunities!
Program Committee Chair
Matthew Kelley, Ph.D.

Scientific Program Chair
Steve Lomber, Ph.D.

Committee Members
Zubair Ahmed, Ph.D.
Hela Azaiez, D.Phil.
Carey Balaban, Ph.D.
Karen Banai, Ph.D.
Olivia Bermingham-McDonogh, Ph.D.
George Burwood, Ph.D.
Karen Gordon, Ph.D.
Shuman He, M.D.,Ph.D.
Fatima Husain, Ph.D.
Antje Ihlefeld, Ph.D.
Stéphane Maison, Ph.D.
Manuel Malmierca, Prof. Dr.
Rob Raphael, Ph.D.
Anthony Ricci, Ph.D.
Shinichi Someya, Ph.D.
Clark Strimbu, Ph.D.
Daniel Tollin, Ph.D.
Sean R. Anderson, M.S.,Ph.D.
George Ordiway, B.S.
Presidential Symposia

'Auditory Processing, Pathology and Remediation'

Chair:
Elizabeth Olson, Ph.D.
Columbia University

Presenters:
Christopher Shera, Ph.D.
University of Southern California
The Fire Within the Ear: Geometry, Resonance, and Waves

Karl Grosh, Ph.D.
University of Michigan
Review of Cochlear Mechanics

Laurel H. Carney, Ph.D.
University of Rochester
From the Ear to the Brain: A Neural Code That Leverages Inner-Ear Nonlinearities

Raymond Goldsworthy, Ph.D.
University of Southern California
Back to the Future: How the History of Cochlear Implants Illuminates Future Directions

Richard Einhorn, B.A., Composer
Hearing Technology Consultant
Current and Near-Future Trends in Hearing Technologies

Debara Tucci, M.D., M.S., M.B.A.
National Institute on Deafness and Other Communication Disorders/NIH
Global Impact of Hearing Loss, and Efforts to Improve Accessibility Worldwide
Doris Wu grew up in Hong Kong, where her mother was a grade-school teacher and her father a civil servant. She has loved biology ever since high school and she came to the United States for college, majoring in Biology and Chemistry at the University of Wisconsin - Stevens Point. Still passionate about biology but unsure about her next career move after graduation, she worked as a laboratory technician at the Department of Physiology, School of Medicine at the University of Southern California, where she later obtained her master’s degree in 1978, studying endocrinology of the reproductive system. She then moved across town to the University of California - Los Angeles (UCLA) to further her graduate work in studying neuronal and glia interactions. Doris received her PhD from now the Department of Neurobiology in 1983. After a brief postdoctoral fellowship at the Mental Retardation Center at UCLA, she joined Dr. Constance Cepko’s laboratory at the Department of Genetics, Harvard Medical School as a postdoctoral fellow. There, she studied cell type determination in the mammalian retina, focusing on the development of a subtype of amacrine cells.

As a sensory system developmental neurobiologist, Doris was drawn to the beauty and complexity of the inner ear structure and although she had never received formal training in this field, she accepted her first independent position at the Intramural program of NIDCD in 1993. She set out to decipher the molecular mechanisms underlying the formation of the inner ear. She rose through the ranks at the NIH, and now holds the position of Chief in the Laboratory of Molecular Biology, NIDCD. She views her scientific journey as deeply rewarding and complementary to that of many others in the development field who have identified some of the key genes and molecular pathways underlying the formation of this amazing organ. The knowledge gained from these discoveries continues to provide the basis for hair cell regeneration research and for understanding the etiology of hereditary deafness.

Doris has been a single mom since her son was 10 months old. Managing work and family life balance was a challenge when her son was growing up. Now, when she is not visiting her 102-year-old mother in Hong Kong, she enjoys cooking and taking walks while talking to life-long friends in her spare time.
AWARD OF MERIT PAST RECIPIENTS

1978 Harold Schuknecht, MD *
1979 Merle Lawrence, PhD *
1980 Juergen Tonndorf, MD *
1981 Catherine Smith, PhD *
1982 Hallowell Davis, MD *
1983 Ernest Glen Wever, PhD *
1984 Teruzo Konishi, MD *
1985 Joseph Hawkins, PhD *
1986 Raphel Lorente de No, MD *
1987 Jerzy E. Rose, MD *
1988 Jozef Zwislocki, ScD*
1989 Ake Flock, PhD*
1990 Robert Kimura, PhD*
1991 William D. Neff, PhD*
1992 Jan Wersall, PhD*
1993 David Lim, MD*
1994 Peter Dallos, PhD
1995 Kirsten Osen, MD
1996 Drs. Ruediger Thalmann, MD* & Isolde Thalmann, PhD
1997 Jay Goldberg, PhD*
1998 Robert Galambos, MD, PhD*
1999 Murray B. Sachs, PhD*
2000 David M. Green, PhD
2001 William S. Rhode, PhD
2002 A. James Hudspeth, MD, PhD
2003 Dr. David Kemp
2004 Donata Oertel, PhD
2005 Edwin W Rubel, PhD
2006 Robert Fettiplace, PhD
2007 Eric D. Young, PhD
2008 Brian C.J. Moore, PhD
2009 M. Charles Liberman, PhD
2010 Ian J. Russell
2011 Robert V. Shannon, PhD
2012 David P. Corey, PhD
2013 Karen P. Steel, PhD
2014 H. Steven Colburn, PhD
2015 Thomas B. Friedman, PhD
2016 Geoffrey A. Manley, PhD
2017 Alan Palmer, PhD
2018 Christine Petit, PhD
2019 Peter M. Narins, PhD
2020 Lynne A. Werner, PhD
2021 Tom Yin, PhD
2022 Christoph Schreiner, MD, PhD

* Deceased
Dr. Michele Insanally is an Assistant Professor in the Department of Otolaryngology at the University of Pittsburgh School of Medicine. Her research investigates how the brain constructs neuronal representations during adaptive auditory behaviors, how these behaviors are gated during learning, and how the population dynamics underlying these behaviors is disrupted in hearing disorders. Dr. Insanally’s scientific approach combines neural recordings, behavior, optogenetics, circuit mapping, and computational models to uncover the mechanisms that allow the auditory system to flexibly gate the behavioral relevance of sounds in dynamic environments. A deeper understanding of how neural dynamics emerge and evolve during learning will open novel avenues for the treatment of hearing deficits caused by disease or injury and inform targeted therapies for central auditory processing disorders.

Prior to joining the faculty at Pitt, Dr. Insanally completed her postdoctoral work with Dr. Robert Froemke at New York University School of Medicine where she investigated the neural basis of auditory perception. Dr. Insanally received her PhD from the University of California, Berkeley working in the lab of Dr. Shaowen Bao, where she examined how early life experience affects the brain—specifically critical period plasticity in the developing rodent auditory cortex. She holds a bachelor’s degree in the Biological Sciences from Columbia University, graduating with distinction in her major.

Dr. Insanally’s research has garnered several awards and honors, including the NIH Pathway to Independence Award, Brain and Behavior Foundation Young Investigator Award, NYU Provost Postdoctoral Fellowship for Academic Diversity, Elizabeth Roboz Einstein Fellowship in Neurosciences, and NSF Graduate Research Fellowship.
Marlan R. Hansen, MD is the Brian F. McCabe Distinguished Chair and Professor of the Department of Otolaryngology—Head and Neck Surgery and Professor of Neurosurgery and Molecular Physiology and Biophysics at the University of Iowa. He is the Co-Director of the Institute of Clinical and Translational Science at Iowa.

Dr. Hansen received his Bachelor of Science degree from Brigham Young University and completed medical school at the University of Chicago, Pritzker School of Medicine. He completed Otolaryngology residency and a postdoctoral research fellowship at the University of Iowa followed by a surgical fellowship in Neurotology/Skull Base Surgery at the House Ear Clinic/USC in Los Angeles. Following training, he joined the faculty at the University of Iowa.

Dr Hansen’s research involves multidisciplinary approaches to basic, translational, and clinical investigations broadly related to auditory neurobiology and vestibular schwannoma tumorigenesis. He has a longstanding interest in the neurobiology of auditory neurons with a particular focus on understanding signaling pathways that govern neural survival, regeneration, and neurite guidance. His lab uses tissue and bioengineering approaches to improve the ability of cochlear implants to restore complex auditory perception including robotics-assistance for electrode array insertion, ultra-low fouling thin film coatings for medical implants, and novel drug and viral delivery methods to the cochlea. In clinical research, he collaborates with a large multidisciplinary team to evaluate factors that enhance outcomes with cochlear implantation including hearing preservation, robotics-assistance and intraoperative electrophysiological measures. He is a co-founder of IotaMotion, Inc that developed the first FDA authorized robotics device to assist with cochlear implant electrode array insertion.
Elisabeth Glowatzki is the George T. Nager M.D. Professor of Otolaryngology Head and Neck Surgery and of Neuroscience at the Johns Hopkins School of Medicine in Baltimore, MD.

She grew up in Germany, where she received most of her training. She studied Biology in Göttingen (Diploma in 1987) and received her doctoral degree in Kaiserslautern (1993). Fascinated by hearing research, she pursued a postdoctoral fellowship in the Dept. of Otolaryngology in Tübingen with Dr. Peter Ruppersberg (1993-1998). Here she implemented cellular physiology in excised cochlear tissue to study ion channels in cochlear hair cells. She spent 6 months as a visiting researcher at the University of Sussex, Brighton, in Dr. Ian Russell’s laboratory in 1998. She continued her training at the Johns Hopkins School of Medicine, with Dr. Paul Fuchs (1998-2002), where she started her independent research laboratory as an Assistant Professor in 2002. Her work focuses on studying afferent and efferent synaptic transmission in the inner ear, both in the cochlea and in the vestibular end organs. The aim of her research is to eludicate cellular mechanisms underlying afferent and efferent function, and to contribute to finding approaches to prevent and cure inner ear malfunction. In 2015 she was promoted to Professor, as the first woman professor in the Department of Otolaryngology Head and Neck Surgery at Johns Hopkins. In 2020, she received the endowed George T. Nager M.D. Professorship and became the Associate Vice Director of Research.
2023 TRAVEL AWARD RECIPIENTS

Julia Abitbol
Evelyn Aviles
Lauren Barbush
Isle Bastille
Ghazaleh
Behnammanesh
Nir Ben-Shlomo
Katelyn Berg
Melia Bonomo
Megan Bradley
Daniel Bronson
Sarah Buchholz
Adrianna Caro
Luis Cassinotti
So-Young Chang
Chenggang Chen
Joseph Chin

Nam Hyun Cho
Amanda Ciani
Shaylyn Clancy
Kameron Clayton
Mo Cui
PEDRO DE-LA-TORRE
Artem Diuba
Christin Ealer
Christina Elling
Victoria Figarola
Charlotte Garcia
Nastaran Gholami
Courtney Glavin
Leslie Gonzales
Mukund Madhav Goyal
Varun Goyal
Samantha Hauser
Solymar Rolon-Martinez
  Kevin Rose
  Mark Saddler
  Matthew Sergison
  Ilkem Sevgili
  Christopher Shults
  Benjamin Shuster
  Benjamin Silver
  Anjali Sinha
  Andrew Sivaprakasam
  Amy Stahl
  Peng Sun
  Cathy Yea Won Sung
  Matsya Thulasiram
  Luan Tonelli
  Gunseli Wallace
  Wei Wei
  Brian Sheng Yep Yeo
  Razanne Zaghloul

Wang Zheng
  Maggie Zink
  Kaley Graves
  Malinda McPherson
  Nicholas Waring
  Gabrielle Watson
  Nesrine Benkafadar
  Sharon Feng
  Tyreek Jenkins
  Kimberly Yurasits
2023 POSTER BLITZ PARTICIPANTS

Estephania Candelo Gomez
Dana Cherri
Seyoung Um
Paul Secchia
Matheus Macedo-Lima
Jonathan Fleegel
Anselm Gadenstaetter
Jiali Wang
Rafael da Costa Monsanto
Anissa Rym Saidia
Michael Nieratschker
Maurizio Cortada
Zhifen Zhang
Calvin Kersbergen
Courtney Austin
Anoop Basavanahalli Jagadeesh
Shengyang Yu
Tommy Peng
Mary Pressé

Xianhui Wang
Erik Petersen
Pierre Guilleminot
Hedwig Velde
Hiroaki Mohri
Sara Momtaz Bokharai
Andres Camarena
Luis Rivera-Perez
Kathrin Deborah Wicke
Ippei Kishimoto
Christopher Pastras
Nicholas Waring
Pavan Krishnan
Sandeep David
Andrea DeFreese
Mentoring Session: Publishing
Tuesday, January 31, 2023
3:00 - 5:00 PM ET

Sharing work in a peer-reviewed publication is an exciting and rewarding conclusion to a body of work, however the journey can be daunting when deciding when data collection is complete, choosing an appropriate journal, considering impact factor, sharing elucidating negative data, and deliberating other factors. On the other end of the manuscript, peer-reviewing submissions is a gratifying way to help the field while getting a sneak peek at bleeding-edge research, yet presents challenges when balancing praise and critiques while considering your own biases. In this session, two editors at top journals will share good approaches in publishing and reviewing research, and lead an open discussion where questions and discussion are encouraged.

Speakers:
Allison Coffin, PhD
Associate Professor
Washington State University Vancouver

Barbara Shinn-Cunningham, Prof.
Cowan Professor of Auditory Neuroscience
Director, Neuroscience Institute
Carnegie Mellon University
Mentoring Session: Clinician Scientist
Tuesday, January 31, 2023
3:00 - 5:00 PM ET

Balancing demanding research and clinical responsibilities is challenging, but also provides unique research avenues and experiences. In this session, two leading clinician-researchers will share their experiences and lead a discussion about how clinicians can successfully integrate scientific investigation into their work.

Speakers:
Rene Gifford, Ph.D. & Michael Hoa, M.D.
Mentoring Session: Work/Life Balance
Wednesday, February 1, 2023
11:00 AM - 1:00 PM ET

Research can be an overwhelming environment, with days long experiments and late night analysis sessions. The attrition of great researchers is very high, as people suffer from burnout because they didn’t take proper precautions. In this session, we talk about strategies on how to create and maintain a good work-life balance and foster a long and above all healthy career in research.

Speakers:
Karolina Kluk, Ph.D.
University of Manchester

David Perez-Gonzalez, Ph.D.
Postdoctoral researcher
Universidad de Salamanca
Mentoring Session: Mentor-Mentee Communication
Thursday, February 2, 2023
3:00 PM - 5:00 PM ET

Good scientific mentorship is key for the personal and professional growth of trainees in academia. An effective way to maintain a good mentor-mentee relationship is good communication between both parties. In this session, trainees will discuss effective communication techniques, strategies to manage their relationships with their mentors, and techniques to resolve communication challenges to maximize the benefit from mentoring relationships. This session will consist of a presentation from a panel of leading scientists in an interactive forum for questions and discussion.

Speakers:
John Brigande, Ph.D.
Professor of Otolaryngology
Oregon Hearing Research Center

Sabrina Absalon, PhD
Assistant Professor of Pharmacology & Toxicology
Indiana University
This session will feature short presentations from a panel of leading scientists to introduce various grants and fellowships for graduate students and postdoctoral fellows in the U.S. and Europe. The session will focus on federal and private research funding sources, eligibility considerations for selected grants, the application process, and the peer review process. This session will be an interactive forum with questions and discussion.

Speakers:
Sarah Verhulst, Ph.D.
Full Professor
Hearing Technology @ WAVES, Dept. of Information Technology, Ghent University

Peter Steyger, Ph.D.
Director, Translational Hearing Center
Creighton University
spARO Mentoring Session: Careers in Industry
Sunday, February 12, 2023
12:45 PM - 1:45 PM
Canaveral 1-2

While there are similarities between working in academia and industry, pursuing a successful career in industry often requires a change in approach for former academics. Leaders from companies investigating phenomena related to ARO research will lead a discussion about how to successfully pivot from academic research into developing a career in industry.

Speakers:
Michelle Valero, Ph.D.
Senior Director, Head of Anatomy and Physiology
Akouos Inc.

Roger Calixto
Hannover Medical University

spARO Mentoring Session: Careers in Academia
Tuesday, February 14, 2023
12:45 PM - 1:45 PM
Canaveral 1-2

Establishing yourself as a principal investigator with a new lab in an academic environment can be an exciting yet bumpy road to navigate. The panelists in this session will share their observations and experiences in establishing and funding independent research laboratories, discuss the keys for successfully applying for research support, and suggest avenues available to new or mid-career faculty members to facilitate the success of their lab. This session will consist of short presentations from a panel of leading scientists in an interactive forum for questions and discussion.

Speakers:
Lisa Goodrich, Ph.D.
Professor
Harvard University

Brandon Cox, Ph.D.
Associate Professor
Southern Illinois University School of Medicine
ARO WORKSHOPS AT THE MIDWINTER MEETING

ARO Diversity and Minority Affairs Workshop: Microaggressions, Allyship and Equitable Mentoring

SATURDAY, FEBRUARY 11 • 4:15 PM - 6:15 PM • CRYSTAL C

Speaker:
Dr. Sharon Milgram
Office of Intramural Training and Education at the National Institutes of Health

Organizers:
Dr. Tejbeer Kaur, Ph.D.
Dr. Radha Kalluri, Ph.D.
Dr. Melanie Barzik, Ph.D.
Dr. Matheus Macedo-Lima, Ph.D.
Dr. Diana Peterson, Ph.D.

The Association for Research in Otolaryngology is committed to increasing diversity, equity, and inclusion in science by fostering a welcoming community that removes barriers and embraces diverse people, approaches, and ideas. Despite ongoing efforts, the ARO community is still largely non-diverse and overrepresented by Caucasian/white and male-identifying members. Thus, the first objective of this workshop is to provide participants with an overview of the demographics of the ARO community with the goal of identifying areas that could be targeted for action towards increasing diversity. Moreover, the lack of diversity in the ARO community could be representative of a known larger issue in higher education – the “leaky pipeline” problem, i.e., the progressive evasion of women and people from minority groups at each stage of the educational system. With this phenomenon in mind, the second objective of this workshop is to provide strategies to improve the experience of and support for underrepresented populations in our communities, such as how to recognize and avoid microaggressions, equitable mentoring, anti-racism and effective allyship.
The COVID-19 pandemic severely limited the ability of students and trainees to network. While networking is often recognized for its effectiveness in career advancement, it also plays a key role in building resilience to navigate challenging times in the field, particularly as much work remains to create an inclusive and equitable environment. This workshop will consist of six break-out groups themed after networking and resilience. They will focus on: (1) race, gender, and ability, (2) mental health and loss, (3) navigating career changes, (4) the roles of different mentors, (5) growing one’s family, and (6) using social media to promote one’s work. This workshop is meant to complement ARO’s efforts regarding equity and inclusion. This workshop will be a space where participants can discuss issues relevant to their lives and form connections with other members of ARO. While the workshop will be primarily aimed at students and trainees, it will benefit the ARO community at large, and any conference attendees are welcome to join. This workshop will take place over 1 hour. It will begin with a brief introduction as to the purpose of the event and a description of resources that exist inside and outside of our field related to each topic. Then, participants will be invited to join a break-out group. Each break-out group will function as a roundtable discussion, where participants are invited to ask questions or share, and discussion leaders from the field can share experiences or guide the conversation. Each group will have one to two discussion leaders. Participants will be able to move from one topic to another at will during the session.
OTHER WORKSHOPS AT THE MIDWINTER MEETING

**gEAR Workshop - Explore and Analyze Basics: Creating gene carts and dataset comparisons**
SATURDAY, FEBRUARY 11 • 4 PM - 5:15 PM • BISCAYNE 1

**gEAR Workshop - Explore and Customize I: Creating visualizations**
SUNDAY, FEBRUARY 12 • 1 PM - 1:45 PM • BISCAYNE 1

**Funding Your Scientific Genius!**
MONDAY, FEBRUARY 13 • 12:45 PM - 2 PM • MERRITT

**gEAR Workshop - Explore and Customize II: Customizing dataset collections**
MONDAY, FEBRUARY 13 • 5 PM - 5:45 PM • BISCAYNE 1

**gEAR Workshop - Intro and Analyze scRNA-seq data: The Single-cell workbench**
TUESDAY, FEBRUARY 14 • 12:30 PM - 2 PM • BISCAYNE 1

**Contemporary Issues in Publishing**
TUESDAY, FEBRUARY 14 • 12:45 PM - 1:45 PM • MERRITT 2

**gEAR Workshop - Analysis - Advanced: Transfer learning and Data upload**
TUESDAY, FEBRUARY 14 • 4:15 PM - 5:45 PM • BISCAYNE 2
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