

Speaker: Barr-Gillespie, Peter

Bio: Peter G. Barr-Gillespie, Ph.D., is executive vice president and chief research officer at OHSU. In addition, he is a professor with the Oregon Hearing Research Center and an affiliated scientist with the Vollum Institute. He has been with OHSU since 1999. Dr. Barr-Gillespie was associate vice president for Basic Research at OHSU from 2014-2017 and interim senior vice president for Research from 2017-2018. An NIH-funded investigator, Dr. Barr-Gillespie's research focus is understanding the molecular mechanisms that enable our sense of hearing. Specifically, the Barr-Gillespie lab endeavors to determine how sensory cells in the inner ear called hair cells allow humans to perceive sound arising from the outside world. Dr. Barr-Gillespie maintains an active research program. Dr. Barr-Gillespie is also the scientific director of the Hearing Restoration Project, or HRP, an international consortium of 14 investigators funded by the Hearing Health Foundation. The HRP's goal is to develop a biological therapy for hearing loss arising from destruction of hair cells, which are not regenerated after damage from noise, ototoxic drug, or aging. Dr. Barr-Gillespie earned his bachelor's degree in chemistry from Reed College in 1981, carrying out his senior undergraduate thesis at OHSU after a summer fellowship in OHSU's biochemistry department. He received his doctorate in pharmacology at the University of Washington in 1988 and completed a postdoctoral fellowship in physiology, cell biology and neuroscience with Jim Hudspeth, M.D., Ph.D., at the University of California San Francisco and the University of Texas Southwestern Medical Center in 1993. Following his fellowship, he accepted a faculty position in physiology at Johns Hopkins and remained there until accepting the position of scientist at the OHSU Vollum Institute and associate professor of otolaryngology/head and neck surgery in the OHSU School of Medicine. Dr. Barr-Gillespie has published more than 115 scholarly articles, chapters and reviews, and has been an invited lecturer at dozens of research universities, academic conferences and scientific events.

Disclosure: Barr-Gillespie, Peter: I have no significant financial items (such as research support/grants, consulting/employment, stock/equity, speakers bureau) or non-financial items (such as serving as an unpaid member of a board of directors of an organization) to disclose.

Speaker: Bush, Matthew

Bio: Matthew L. Bush, M.D., Ph.D., MBA, is the Vice Chair for Research and a Professor in the Department of Otolaryngology – Head and Neck Surgery at the University of Kentucky in Lexington, Kentucky. He earned his M.D. degree at Marshall University in Huntington, WV. He completed Otolaryngology residency at the University of Kentucky followed by a post-doctoral research fellowship and Neurotology & Cranial Base Surgery fellowship at The Ohio State University. His research is focused on increasing access to and improving timely delivery of hearing healthcare among underserved populations.

Disclosure: Bush, Matthew: Research Support/Grants - NIH grant funding, Advanced Bionics research funding within the past 2 years (currently inactive). Non-Financial Disclosures - Unpaid Stryker Consultant (Education Course Faculty), Med El Surgical Advisory Board Member.

Speaker: Casali, John

Bio: Dr. Casali is the Grado Professor of Industrial & Systems Engineering at Virginia Tech (VT), and a Board-Certified Professional Ergonomist (CPE). He founded the Auditory Systems Laboratory at VT in 1983. He also is founder and CTO of HEAR, LLC, a product design and litigation support firm. He is a Fellow of the Institute of Industrial Engineers and the Human Factors & Ergonomics Society, the latter of which presented him with the Lauer Award in 2017 for advancements in worker and consumer safety. He received the NIOSH-NHCA Safe-in-Sound Award for Innovation in Hearing Conservation in 2016, and the NHCA's Outstanding Hearing Conservationist Award in 2009. His externally-sponsored contract research and foundation funding at VT has totaled over \$14.8 million, he has 7 patents and over 200 publications, and he has advised 25 Ph.D. and 31 Master's students to graduation. (Dr. Casali, with initiative and assistance from Dr. Mead Killion, conducted one of the earliest in-field experiments on auditory localization accuracy and response time to gunshots, as impacted by hearing protection devices versus the open ear, with implications for Auditory Situation Awareness.)

Disclosure: Casali, John: Research Support/Grants - Portions of the research discussed were performed on contract/grant to the U.S. Office of Naval Research and the DoD Hearing Center of Excellence. Consulting/Employment - Engineering Professor at Virginia Tech University. Stock/Equity - Partner in Hearing, Ergonomics & Acoustics Resources (HEAR) LLC (consulting company).

Speaker: Chandrasekaran, Bharath

Bio: Dr. Chandrasekaran serves as a Professor and Vice Chair of Research in the Department of Communication Sciences and Disorders at The University of Pittsburgh. He earned his Ph.D. in Integrative Neuroscience from Purdue University in 2008, completed a postdoctoral fellowship in Auditory Neuroscience at Northwestern University before joining the University of Texas at Austin in 2010. He is the recipient of Regents' Outstanding Teaching Award in 2014, the Editor's award for best research article in the *Journal of Speech, Language, and Hearing Research*, the *Psychonomics* Early Career award in 2016, and the *Society for Neurobiology of Language* Early Career Award in 2018. Dr. Chandrasekaran's research uses a systems neuroscience approach to study the computations, maturational constraints, and plasticity underlying speech processing. Over the last two decades, his lab has leveraged cutting-edge multimodal neuroimaging methods and computational modeling approaches to develop a sophisticated understanding how speech is represented and categorized in the human brain. His approach is highly collaborative and interdisciplinary, integrating across fields of communication sciences and disorders, neuroscience, linguistics, psychology, engineering, and otolaryngology. His laboratory is currently supported by funding from the National Institutes of Health (NIH) and the National Science Foundation (NSF)

Disclosure: Chandrasekaran, Bharath: Research Support/Grants - National Institutes of Health, National Science Foundation (salary support). Other - Editor-in-Chief, *Journal of Speech, Language, and Hearing Research* (yearly stipend).

Speaker: Cunningham, Lisa

Bio: Lisa Cunningham is the Scientific Director of the National Institute on Deafness and Other Communication Disorders (NIDCD), one of the 27 institutes that comprise the US National Institutes of Health (NIH). Dr. Cunningham was trained clinically as an audiologist before obtaining a PhD in Neuroscience from the University of Virginia. She did a post-doctoral fellowship in auditory neuroscience at the University of Washington in Seattle. Dr. Cunningham's lab conducts basic, translational, and clinical studies on sensory hair cell degeneration and hearing loss in the mature inner ear and develops therapeutic strategies to safeguard hearing. Her basic science studies examine the cellular and molecular mechanisms that underlie sensory hair cell death and survival, and her translational studies use this mechanistic knowledge to guide the rational design of therapies aimed at preventing hearing loss in humans. Clinical studies in her lab test the efficacy of these potential therapeutic strategies. Of particular interest is the development of treatments aimed at protecting the hearing of patients receiving therapeutic drugs with ototoxic side effects.

Disclosure: Cunningham, Lisa: Consulting/Employment - I am employed by the US Federal Government.

Speaker: Foster, Alan

Bio: Alan C Foster, Ph.D. is Chief Scientific Officer of Otonomy. Dr. Foster is a neuroscientist and pharmacologist with over 35 years of drug discovery and development experience in the fields of neuroscience, ophthalmology and neurotology. Prior to Otonomy, he served as Vice President of Pharmacology at Allergan and Vice President of Neuroscience at Neurocrine Biosciences. Previously, he held leadership positions at Gensia Pharmaceuticals and Merck. Dr Foster has authored over 150 scientific publications and holds a Ph.D. in neuropharmacology and a Bachelor of Science degree in Physiology and Biochemistry from the University of Southampton, UK.

Disclosure: Foster, Alan: Consulting/Employment - Employee of Otonomy Inc. Stock/Equity - Stock and stock options.

Speaker: Mansour, Suzanne

Bio: Dr. Mansour received her A.B. degree in Biochemical Sciences from Harvard University. She then completed a Ph.D. degree in Biochemistry with Dr. Robert Tjian at UC Berkeley. Her postdoctoral work was conducted first at UCSF with Dr. Gail Martin and then at the University of Utah with Dr. Mario Capecchi. She is currently a full Professor of Human Genetics at the University of Utah. Her laboratory investigates the genetic control of inner ear development and function by using mouse models. She has a primary focus on the roles and regulation of the FGF signaling pathway in cochlear development.

Disclosure: Mansour, Suzanne: I have no significant financial items (such as research support/grants, consulting/employment, stock/equity, speakers bureau) or non-financial items (such as serving as an unpaid member of a board of directors of an organization) to disclose.

Speaker: McLean, Will

Bio: Will is Senior Vice President of Hearing Biology and Translational Research at Frequency and has served the company since co-founding in 2014. He previously served as a scientific advisor for health sciences and venture funding firms, including Entrega Bio and Third Rock Ventures. Will's work has focused on elucidating the different stem cell types that exist within the inner ear and understanding the molecular cues that drive their development and regenerative capacity. Will earned a BS in Biology from Tufts University, a PhD from the Harvard-MIT Health Science and Technology Program, and conducted his post-doctoral work at Harvard Medical School.

Disclosure: McLean, Will: Consulting/Employment - Frequency Therapeutics.
Stock/Equity - Frequency Therapeutics.

Speaker: Sharma, Anu

Bio: Anu Sharma Ph.D. is Professor in the Department of Speech Language and Hearing Science, and, Fellow in the Institute for Cognitive Science and Center for Neuroscience at University of Colorado, Boulder. Her research examines neurocognitive plasticity in pediatric and age-related hearing loss and has been funded by the United States National Institutes of Health for over two decades. Dr. Sharma has published over 75 scientific articles and given over 180 invited presentations at international scientific conferences spanning 6 continents. She has delivered the Marion Downs Lecture twice at the American Academy of Audiology and the Ted Evans Lecture at the British Society of Audiology.

Disclosure: Sharma, Anu: Research Support/Grants - Research Funding from the National Institutes of Health and from Hearing Industry Research Consortium.
Consulting/Employment - University of Colorado Boulder, Professor.

Speaker: Walker, Elizabeth

Bio: Elizabeth Walker, PhD, CCC-A/SLP, is an associate professor and Dean's Scholar in the Department of Communication Sciences and Disorders at the University of Iowa. Dr. Walker received her Master of Arts in Communication Disorders from the University of Minnesota, and her PhD in Speech and Hearing Science from the University of Iowa. Her NIH-funded research focuses on the intersection of pediatric audiology and speech-language pathology, specifically examining malleable factors that support listening, language, and literacy outcomes for children who are deaf or hard of hearing. She has published over 50 peer-reviewed articles, and has co-written a textbook on pediatric amplification. She is the recipient of two Editors' awards from ASHA journals and is currently on the ASHA Board of Directors as the audiology at large member. She is also a section editor for Ear and Hearing. She has taught courses in aural rehabilitation, developmental language disorders, educational audiology, and scientific writing.

Disclosure: Walker, Elizabeth: Research Support/Grants - NIH funding. Non-Financial Disclosures - American Speech-Language-Hearing Association Board of Directors member.

Speaker: Whitton, Jonathon

Bio: Jonathon Whitton is a clinician-scientist and vice president, clinical research and development at Decibel Therapeutics. Prior to joining Decibel in 2016, Jonathon conducted clinical research with people living with hearing loss at the Cincinnati Children's Hospital Medical Center and Massachusetts Eye and Ear Infirmary. Jonathon received his Au.D. from the University of Louisville and his Ph.D. in Health Sciences and Technology from the Massachusetts Institute of Technology.

Disclosure: Whitton, Jonathon: Stock/Equity - As part of my employment at Decibel Therapeutics, I hold equity and stock options in the company.