












Acquired Hearing Loss

Thursday, December 8, 2022
8:30am-4pm

BioPark Life Sciences Conference Center,
801 West Baltimore St., Baltimore, MD

Organized by the Center for Comparative and Evolutionary Biology of Hearing, of the University of Maryland

Time	Speaker	Title
7:45-8:30am	Breakfast	
8:30-8:45am	<p>Catherine E. Carr, PhD <i>Biology Distinguished University Professor</i> University of Maryland, College Park Faculty Page ></p>  <p>Ronna Hertzano, MD PhD <i>Professor Otorhinolaryngology Head and Neck Surgery</i> Affiliate Member - Institute for Genome Sciences University of Maryland School of Medicine, Baltimore Faculty Page ></p> 	Opening remarks
8:45-9:30am	<p>Sandra Gordon-Salant, PhD <i>Professor and Director,</i> <i>Doctoral Program in Clinical Audiology</i> <i>Department of Hearing and Speech Sciences</i> University of Maryland, College Park Faculty Page ></p> 	<p>Impact of Age-related Hearing Loss on Communication</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Describe the attributes of the older individual that are associated with difficulty in perception. 2. Identify communication scenarios that are challenging for older people. 3. Differentiate strategies that are beneficial and not beneficial for training older listeners to improve speech recognition in challenging situations
9:30-10:15am	<p>Larry E. Humes, PhD <i>Distinguished Professor Emeritus</i> <i>Department of Speech, Language, and Hearing Sciences</i> Indiana University Bloomington, IN</p> 	<p>Empowering Adults to Manage Their Hearing Problems</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. To be able to describe the prevalence of hearing difficulties among U.S. adults within the prevailing Hearing Healthcare (HHC) system. 2. To be able to describe the prevalence of hearing-aid use among U.S. adults with hearing difficulties and the resulting unmet HHC needs. 3. To be able to identify some of the barriers within the prevailing HHC system underlying unmet HHC needs and potential solutions to overcome those barriers.
10:15-10:45am	Coffee Break	
10:45-11:15	<p>Pamela Souza, PhD <i>Communication Sciences and Disorders and Knowles Hearing Center</i> Northwestern University</p> 	<p>Treating age-related hearing loss: Should cognitive ability be part of clinical decisions?</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Describe the consequences of combined hearing loss and cognitive decline on communication 2. Describe how cognitive ability affects hearing aid outcomes 3. List reasons to consider cognitive ability in treatment planning
11:15-noon	<p>Richard K. Gurgel, MD MSCI <i>Associate Professor of Otolaryngology – Head and Neck Surgery</i> <i>Section Chief and Fellowship Director, Otolaryngology, Neurotology, and Skullbase surgery,</i> University of Utah School of Medicine</p> 	<p>The Hear and Know: Hearing Loss, Cognition, and Cochlear Implants in Older Adults</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Appreciate the association between hearing loss and dementia in older adults 2. Determine cochlear implant candidacy in older adults based on frailty assessment 3. Understand the impact of cochlear implants on cognition in older adults
Noon-1pm	Lunch	
1-1:45pm	<p>Lisa Cunningham, PhD <i>Director, Division of Intramural Research</i> NIH/NIDCD</p> 	<p>Repurposing Statins to Reduce Cisplatin-Induced Hearing Loss</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Identify clinical features of cisplatin-induced hearing loss 2. Describe the current state of therapies to reduce cisplatin-induced hearing loss 3. Identify a class of FDA-approved drugs that are associated with reduced cisplatin-induced hearing loss in humans
1:45-2:30pm	<p>Alan G. Cheng, MD, FACS <i>Edward C. and Amy H. Sewall Professor</i> <i>Department of Otolaryngology-HNS</i> Stanford University</p> 	<p>Re-designing aminoglycosides to reduce iatrogenic hearing loss</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. How do aminoglycosides cause hearing loss? 2. How do aminoglycosides enter the inner ear? 3. What are the clinical indications for aminoglycosides?
2:30-2:45pm	Break	
2:45-3:15pm	<p>Ronna Hertzano, MD PhD <i>Professor Otorhinolaryngology Head and Neck Surgery</i> Affiliate Member - Institute for Genome Sciences University of Maryland School of Medicine, Baltimore Faculty Page ></p> 	<p>Noise Induced Hearing Loss - from Omics to Drug Repurposing</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Understand the effect of noise on the inner ear 2. Understand how omics can lead to identification of candidate therapeutics 3. Understand the importance of testing drugs on subjects of both sexes
3:15-3:45pm	<p>Meghan Drummond, PhD <i>Associate Director, Auditory Science</i> Regeneron Pharmaceuticals, Inc.</p> 	<p>Population-scale analysis of common and rare genetic variation associated with hearing loss in adults</p> <p>Learning objectives:</p> <ol style="list-style-type: none"> 1. Understand how both common and rare variants in large populations can be used to identify novel hearing loss allele associations. 2. Recognize the limitations in current datasets used for large-scale population analyses. 3. Identify opportunities for better cohort recruitment to support auditory studies.
3:45-4pm	<p>Sandra Gordon-Salant, PhD <i>Professor and Director,</i> <i>Doctoral Program in Clinical Audiology</i> <i>Department of Hearing and Speech Sciences</i> University of Maryland, College Park Faculty Page ></p> 	Closing remarks