

## PRESENTERS & MODERATOR

**Inyong Choi, PhD**, is an assistant professor in the Department of Communication Sciences and Disorders at the University of Iowa. He studies why the same hearing intervention results very different outcomes in different patients, and how we can improve hearing-impaired listeners' speech understanding through perceptual training. He received a PhD degree in 2008 in electrical engineering at Seoul National University with a concentration in acoustics and psychoacoustics. After working for Samsung R&D Center from 2008-2011, he returned to academia and did his postdoctoral research in the field of auditory neuroscience and neuroimaging at Boston University until 2015. He started his own lab in August 2015.

**Karen J. Cruickshanks, PhD**, is a professor of ophthalmology and visual sciences and population health sciences at the University of Wisconsin School of Medicine and Public Health. She received her Ph.D. in epidemiology from the University of Pittsburgh Graduate School of Public Health. Her research

interests are focused on the epidemiology of aging. Her work is funded by the National Institute on Aging and includes two longitudinal cohort studies: the Epidemiology of Hearing Loss Study (EHL;R37AG11099) to study hearing, olfactory, and cognitive impairments in a population-based cohort of 3,500 older residents of Beaver Dam, Wisconsin and the Beaver Dam Offspring Study (R01AG021917) which follows the adult children of the EHL to study generational differences in the risk of age-related sensorineural disorders. She is the director of the EpiSense Audiometry Reading Center which provides support for other cohort studies of hearing, including the Hispanic Community Health Study, a multicenter study of 16,000 Latinos, and the Epidemiology of Diabetes Interventions and Complications study of hearing impairment. Major themes of her research are the links between subclinical atherosclerosis, inflammation, and metabolic dysregulation and the sensory and neurological disorders of aging. She previously served on the National Deafness and Communications Disorders Advisory Council for the National Institutes of Health.

**Ruth Litovsky, PhD**, is a Waisman Center investigator and professor in the Department of Communication Sciences and Disorders with a joint appointment in the Department of Surgery, Division of Otolaryngology - Head and Neck Surgery at UW-Madison. She directs the Binaural Hearing and Speech Lab at the Waisman Center. Her research questions focus on how people are able to hear in noisy environments and how to improve processing of cochlear implants so that children and adults who are deaf and rely on cochlear implants can maximize their communication success. Her research program is funded by the NIH-NIDCD.

**Z. Ellen Peng, PhD**, is a postdoctoral research associate in the Binaural Hearing and Speech Lab at the Waisman Center. She received both her degrees in engineering—a bachelor's degree from Drexel University in Philadelphia and a PhD from the University of Nebraska. Before coming to Madison, she completed a postdoctoral training as a Marie-Curie Fellow in Germany, where she used acoustic virtual reality to study speech perception in children and adults in noisy environments. Her current research interest is to understand spatial hearing and speech perception in difficult listening situations for adults and children with cochlear implants and those with normal hearing.



7<sup>th</sup> Annual

# Waisman Center Day with the Experts: Cochlear Implants

**Saturday, June 2, 2018**

**9:00 a.m. - 12:15 p.m.**

**John D. Wiley Conference Center  
Waisman Center, University of Wisconsin-Madison**

Learn about the latest advances in research and hear from a panel of experts including individuals with cochlear implants and family members

Sponsored by the Friends of the Waisman Center and the Department of Surgery, Division of Otolaryngology

Hosted in partnership with the Department of Communication Sciences and Disorders



University of Wisconsin Department of Surgery  
**DIVISION OF OTOLARYNGOLOGY-  
HEAD & NECK SURGERY**

*Remarkable People. Remarkable Results.*

