SENSORY AND COGNITIVE INTERACTIONS IN SPEECH RECOGNITION IN LISTENERS WITH COCHLEAR IMPLANTS

Featuring Dr. Adam K. Bosen

Boys Town National Research Hospital

April 27, 2018 | 11:30am – 12:45 pm | H&K112
Parking Available in Lot T

ABOUT DR. BOSEN

Adam Bosen, Ph.D., is a staff scientist at Boys Town National Research Hospital. He obtained his combined B.S./M.S. degree in Computer Engineering from Rochester Institute of Technology, his Ph.D. in Biomedical Engineering from University of Rochester, and received postdoctoral training in cochlear implant psychophysics at Boys Town. His goal is to characterize and address the sensory and cognitive impairments that make speech recognition difficult in listeners with cochlear implants. His lab pursues this goal with a mix of psychophysical experimentation and computational modeling, and through collaboration with other researchers in the field.

LEARNING OBJECTIVES

• Describe how listeners with cochlear implants learn to understand speech with their devices, and what challenges they face.
• Demonstrate how prior knowledge can mitigate the impact of difficult listening conditions on short-term memory.
• Predict the influence of cochlear implantation on memory development.

The presenter, Adam K. Bosen, Ph.D., and the planning committee, Nick Stergiou, Ph.D., Jeffrey Kaipust, M.S., Angela Collins, B.S., and Jackie Farley, CPP have no financial conflict of interest to disclose.

ACCREDITATION STATEMENT The University of Nebraska Medical Center, Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT STATEMENT The University of Nebraska Medical Center, Center for Continuing Education designates this live activity for a maximum of 1.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.