

# Virtual Midwest Conference on Cochlear Implants (CI CRASH) & Mid-Atlantic Symposium on Hearing (MASH)



## Joint Meeting

**October 16-17, 2020 Live on Zoom**



### To Register Visit:

[https://uwmadison.co1.qualtrics.com/jfe/form/SV\\_5vzV5YSyZCR6Grz](https://uwmadison.co1.qualtrics.com/jfe/form/SV_5vzV5YSyZCR6Grz)

### Meeting Overview (All times are listed in Central Time)

Friday, October 16 <sup>th</sup>	9:00am-9:20am	Welcome
	9:20am-11:00am	Talks Moderated by Ruth Litovsky
	11:00am-11:20am	Break
	11:20am-1:00pm	Talks Moderated by Ruth Litovsky
	1:00pm-2:00pm	Lunch Break
	2:00pm-4:20pm	Talks Moderated by Matt Goupell
	4:20pm-4:30pm	Break (grab a drink)
	4:30pm-5:30pm	Social Hour & Trivia
Saturday, October 17 <sup>th</sup>	9:00am-11:20am	Talks Moderated by Peggy Nelson
	11:20am-11:30am	Final Remarks & Adjourn

\*NOTE: Live Captioning will be provided for conference presentations but may not be available for all Audience questions or Break Out Rooms.

**Friday, October 16<sup>th</sup>**

***Morning Moderator: Ruth Litovsky***

**9:00 a.m. Ruth Litovsky:** Welcome

**9:20 a.m. Karen Gordon** (University of Toronto)  
*Children's lives are quieted by Covid-19 lockdown: Evidence from cochlear implant users*

**9:40 a.m. Anahita Mehta** (University of Minnesota)  
*Pitch contours for closed captioning: exploring the value of visual cues to convey pitch*

**10:00 a.m. Inyong Choi** (University of Iowa)  
*CI effect on speech-in-noise in listeners with single-sided deafness: Improved accuracy, increased effort*

**10:20 a.m. Deborah Colesa** (University of Michigan)  
*Anatomical and functional measures in mice with cochlear implants are similar to those in guinea pigs*

**10:40 a.m. Mesiam Arjmandi** (Massachusetts Eye & Ear Infirmary)  
*Factors influencing the developmental trajectory of speech recognition in pediatric cochlear implant recipients*

**11:00 a.m. BREAK**

**11:20 a.m. Antje Ihlefeld** (New Jersey Institute of Technology)  
*Cortical correlates of individual differences in informational masking*

**11:40 a.m. David Landsberger** (New York University)  
*Modifying surgical technique and signal processing to stimulate the cochlear apex with a standard length electrode*

**12:00 p.m. Johanna Boyer** (Med-EL Corporation)  
*Missing fundamental perception in cochlear implant users*

**12:20 p.m. Kelsey Klein** (University of Tennessee Health Sciences Center)  
*Real-time lexical and semantic processing in school-age children with hearing aids and cochlear implants*

**12:40 p.m. Paul Mayo** (University of Maryland)  
*The effect of independent processors and peak picking strategies on the transmission of binaural cues by bilateral cochlear implants*

**1:00 p.m. LUNCH BREAK**

**Afternoon Moderator: Matt Goupell**

- 2:00 p.m. **Ellen Peng** (UW-Madison)  
*Processing of alternating speech in children with bilateral cochlear implants*
- 2:20 p.m. **Patti Johnstone** (University of Tennessee Health Sciences Center)  
*Off-the-ear vs. behind-the-ear bilateral CI Processors: The effect on spatial hearing*
- 2:40 p.m. **Miranda Cleary** (University of Maryland)  
*Effects of experimentally introduced interaural mismatch on speech understanding in bilateral CI users*
- 3:00 p.m. **Meg Dillon** (University of North Carolina Chapel Hill)  
*Frequency-to-place mismatch and initial speech recognition of electric-acoustic stimulation device users*
- 3:20 p.m. **Jessica Lewis** (The Ohio State University)  
*The role of inhibition-concentration skills in degraded audiovisual speech recognition*
- 3:40 p.m. **Breanna Corle** (Rush University Chicago)  
*Relationship between imagery and environmental sounds in cochlear implant users*
- 4:00 p.m. **Robel Alemu** (University of Toronto)  
*Effects of monaural ear plugging on localization of moving sound*
- 4:20 p.m. **BREAK**
- 4:30 p.m. **Social Hour & Trivia**

**Saturday, October 17<sup>th</sup>**

**Morning Moderator: Peggy Nelson**

- 9:00 a.m. **Katelyn Berg** (Vanderbilt)  
*Comparison of behavioral and frequency following responses to vocoded speech in normal hearing listeners*
- 9:20 a.m. **Benjamin Caswell-Midwinter** (Massachusetts Eye & Ear Infirmary)  
*Cochlear implant programming parameters, speech scores and related factors from routine clinical data*
- 9:40 a.m. **Kenneth Jensen** (Walter Reed National Military Medical Center)  
*Less is more: better speech understanding with sparser signals*
- 10:00 a.m. **Jing Yang** (UW-Milwaukee)  
*Vowel production in Mandarin-speaking children with CIs*
- 10:20 a.m. **Adam Bosen** (Boystown)  
*At-home speech recognition, working memory, and psychophysical experiments for individuals with cochlear implants*
- 10:40 a.m. **Lukas Suveg** (UW-Madison)  
*Evaluating the influence of a cochlear implant on spatial release from masking among listeners with single sided deafness*
- 11:00 a.m. **Hongmei Hu** (Universität Oldenburg)  
*Modeling interaural time differences coding in bilateral cochlear implant users*