

Hearing Industry Research Consortium (<http://hearingirc.com/>)

Northwestern University Department of Communication Sciences and Disorders

Wednesday, October 2

Research updates: Current work in our labs (room TBD)

1:00 Nina Kraus

1:25 Bev Wright

1:50 Pam Souza

2:10 Sumit Dhar

2:35 Mary Ann Cheatham, Auditory Physiology Lab.

3:00 refreshments and optional lab tours

3-3:30	3:30-4	4-4:30	4:30-5
Auditory Physiology Lab (Cheatham)	Auditory Physiology Lab (Cheatham)	Auditory Neuroscience Lab (Kraus)	Auditory Neuroscience Lab (Kraus)
Psychoacoustics Lab (Wright)	Psychoacoustics Lab (Wright)	Auditory Research Lab (Dhar)	Auditory Research Lab (Dhar)
		Northwestern Center for Audiology, Speech, Language and Learning	Northwestern Center for Audiology, Speech, Language and Learning
	Hearing Aid Lab (Souza)	Hearing Aid Lab (Souza)	

Escorts: Varsha Rallapalli, Greg Ellis, Dorina Strori

Auditory Neuroscience Lab (Kraus): Researchers study numerous aspects of the auditory system, including its underlying brain mechanisms, the way musical input influences our ability to read and learn language, how conditions such as autism, aging and HIV affect sound processing, and the auditory aspects of concussion.

Auditory Physiology Lab (Cheatham): Techniques ranging from animal behavior, through single cell recording, to molecular biology, are used to delineate the molecular and physiological properties and functional roles of the two types of sensory receptors of the mammalian ear, inner and outer hair cells.

Auditory Research Lab (Dhar): A major focus is in understanding the physiology and biophysics related to sounds created in the inner ear (otoacoustic emissions). A second major focus is on hearing healthcare delivery.

Hearing Aid Lab (Souza): Lab researchers study how auditory and cognitive abilities vary among individuals, and how hearing aid processing and other auditory recommendations can be better tailored to each patient.

Psychoacoustics Lab (Wright): The primary focus of research in the Psychoacoustics Laboratory is on how practice affects auditory perceptual skills, with recent work on general principles of the acquisition and consolidation of auditory learning.