



EAR DAY 2014

Department of Communication Disorders & Sciences Rush University

November 21, 2014

Armour Academic Building 710/711

(RSVP to Jeri-Lynn_Williams@rush.edu by November 10)

- 9:30** Coffee and light breakfast
- 9:55 – Ear Day Introduction & Welcome**
Valeriy Shafiro - Communication Disorders and Sciences-Rush University Medical Center
- 10:00 – Task-specific functional and structural plasticity in auditory regions**
Fred Dick - Department of Psychological Sciences-Birkbeck College-University of London
- 10:30 – Task-related modulation of speech-elicited neural activity within and beyond human auditory cortex**
Kirill Nourski - Department of Neurosurgery-University of Iowa
- 11:00 – Bottom up meets top-down: Studies of auditory corticofugal projections**
Daniel Llano - Department of Molecular and Integrative Physiology-University of Illinois at Urbana-Champaign
- 11:30-11:45** Break
- 11:45 – Maturation of time-coding properties in the cochlear nucleus**
Jason Sanchez - Communication Sciences and Disorders-Northwestern University
- 12:15 – The effects of aging on DPOAEs and ABRs in the common marmoset (*Callithrix jacchus*)**
Rama Ratnam – Coordinated Science Laboratory- University of Illinois at Urbana-Champaign
- 12:45 – 2:45** Lunch & Posters
- 2:45 – The role of semantic coherence in auditory scene perception**
Valeriy Shafiro - Communication Disorders and Sciences-Rush University Medical Center
- 3: 15 – Holding sound together and pulling it apart: The role of commonality in binaural fusion**
Justin Aronoff – Department of Speech and Hearing Science-University of Illinois at Urbana-Champaign
- 3:45- 4:00** Break
- 4:00 Noise-band vocoding interferes with auditory statistical learning in adults**
Tina Grieco-Calub - Communication Sciences and Disorders-Northwestern University
- 4:30 – Auditory processing of multiple sources of modulation information**
Stanley Sheft - Communication Disorders and Sciences-Rush University Medical Center



Ear Day Posters

Relationship between pitch and rhythm perception with tonal sequences

S J Guzman, R Almeida, K Glass, C Elston, V Shafiro, S Sheft –Department of Audio Arts and Acoustics-Columbia College

The effects of WDRC and reverberation on consonant identification

PN Reinhart¹, PE Souza^{1,2}, NK Srinivasan^{3,4} and F J Gallun^{3,4} – (1) Northwestern University, Evanston, IL 60208 (2) Knowles Hearing Center, Evanston, IL 60208 (3) National Center for Rehabilitative Auditory Research, Portland, OR 97239 (4) Dept. of Otolaryngology, Oregon Health & Science University, Portland, OR 9723

High-frequency extent of human stimulus-frequency otoacoustic emissions

JB Dewey and S Dhar - Communication Sciences and Disorders-Northwestern University

Characterization of the auditory thalamotectal projection in mouse

M Patel, AM Lesicko, L Yang, G Taha, D Llano - Department of Molecular and Integrative Physiology-University of Illinois at Urbana-Champaign

Connectional and neurochemical modularity of the mouse inferior colliculus

AM Lesicko, D Llano – Department of Molecular and Integrative Physiology-University of Illinois at Urbana-Champaign

Paradoxical effects of the auditory thalamic reticular nucleus: Computational and optical studies

BJ Slater, A Willis, E Gribkova, D Llano - Department of Molecular and Integrative Physiology-University of Illinois at Urbana-Champaign