

Saturday

Talks

9:20 AM / Oceans Ballroom 5-12 From the Ear to the Brain: A Neural Code That Leverages Inner-Ear Nonlinearities

Laurel H. Carney

Posters

SA6 Increased Central Auditory Gain in 5xFAD Alzheimer's Disease Mice

Daxiang Na, Jingyuan Zhang, Holly Beaulac, Dorota Piekna-Przybylska, Paige Nicklas, Amy Kiernan, Patricia White

SA11 Effect of Attentional Modulation on Cortical and Subcortical Responses to Competing Streams

Victoria Figarola, Abigail Noyce, Adam Tierney, Ross Maddox, Frederic Dick, Barbara Shinn-Cunningham

SA180 Visual Motion Profile Has Minimal Effect on Visual-Vestibular Multisensory Integration

Miguel Yakouma, Eric Anson, Benjamin Crane, Miguel Yakouma

SA137 Higher-Order Mode Vibrations in the Organ of Corti

Wei-Ching Lin, Jong-Hoon Nam

SA200 Simulating Physiological and Psychoacoustic Forward Masking in a Subcortical Model With Efferent Gain Control

Braden Maxwell, Afagh Farhadi, Marc Brennan, Adam Svec, Laurel H. Carney

SA233 KCNQ2/3 Regulates Efferent Mediated Slow Excitation of Vestibular Afferents in Mammals

Anjali Sinha, Choongheon Lee, J. Chris Holt

Sunday

Posters

SU60 Comparing Methods for Deriving the Auditory Brainstem Response to Continuous Speech in Human Listeners

Tong Shan, Ross Maddox

SU130 Active and Passive Kinematic Gains for the Organ of Corti Mechanotransduction

Anes Macic, Wei-Ching Lin, Jong-Hoon Nam

SU137 Estimating Corti Fluid Motion From Organ of Corti Vibrations

Mohammad Shokrian, Wei-Ching Lin, Jong-Hoon Nam

SU167 Effects of Kainic-Acid-Induced Auditory-Nerve Loss on Pure-tone Responses in the Budgerigar Inferior Colliculus

Yingxuan Wang, Kristina S. Abrams, Kenneth S. Henry

SU198 A Subcortical Auditory Model With Efferent Gain Control Explains Perceptual Enhancement

Afagh Farhadi, Swapna Agarwalla, Laurel H. Carney

SU237 The Development of a Clinical Test of Spatial Orientation

Isaiah Miller, John Wilson, Yuting Liu, Miguel Yakouma, Benjamin Crane, Eric Anson

SU242 Developing a Measure of Self-Motion Perception to Assess Vestibular Spatial Function

John Wilson, Isaiah Miller, Miguel Yakouma, Benjamin Crane, Eric Anson

Monday

Talks

8:30 AM / Oceans Ballroom 5-12 Detecting Cochlear Synaptopathy Using Envelope Following Responses in the Budgerigar

Leslie Gonzales, John Wilson, Sarah Verhulst, Kenneth S. Henry

8:45 AM / Oceans Ballroom 5-12 From Does Auditory Nerve Loss Cause Hidden Hearing Deficits for Short Tones in Noise?

Catherine Loftus, Kenneth Henry, Kristina Abrams, Margaret Youngman, Paul Allen

Posters

MO51 Investigating the Effect of Selective Attention on Speech Encoding From Auditory Nerve to Cortex

Thomas Stoll, Nathan Vandjelovic, Melissa Polonenko, Nadja Li, Adrian KC Lee, Ross Maddox

MO58 Auditory Brainstem Responses Evoked by Running Speech in Preterm Infants

Beth Prieve, Stefania Arduini, Ross Maddox, Melissa Polonenko

MO166 A Computational Model for Sensitivity to Fast Frequency Chirps in the Inferior Colliculus

Paul Mitchell, Laurel H. Carney

Tuesday

Talks

9:45 AM / Oceans Ballroom 1-4 Studying the Effect of the Efferent System on Auditory Overshoot Using a Computational Subcortical Auditory Model

Afagh Farhadi, Laurel H. Carney

Posters

TU166 Using Tones in Wideband Noise to Investigate Effects of Neural Fluctuations and Local Off-CF Inhibition in the Inferior Colliculus: Models and Physiology

Johanna Fritzingler, Laurel H. Carney

TU200 Profile Analysis in Listeners With Sensorineural Hearing Loss

Daniel R. Guest, David A. Cameron, Douglas M. Schwarz, C. Evelyn Feld, U-Cheng Leong, Laurel H. Carney