

Brain Mapping Center SEMINAR SERIES

Sponsored by the UCLA Brain Mapping Center Faculty

The focus of these talks is on advancing the use of brain mapping methods in neuroscience with an emphasis on contemporary issues of neuroplasticity, neurodevelopment, and biomarker development in neuropsychiatric disease.

Hosted By: Shantanu Joshi, PhD, Neurology, UCLA

Neuroimaging and neuromodulation of chronic subjective tinnitus



Amber M. Leaver, PhD

Assistant Professional Researcher
Department of Neurology, UCLA

Chronic subjective tinnitus is a brain condition affecting ~10% of people worldwide, where patients experience a constant ringing or buzzing “in the ear.” Although acute tinnitus can be a transient symptom of loud-noise exposure, neurological disease, extreme stress, or other causes, chronic subjective tinnitus is thought to be a special case of maladaptive plasticity within the central nervous system subsequent to peripheral damage. In this talk, I will discuss evidence from MRI studies linking chronic tinnitus to aberrant auditory-system activity, as well as abnormalities in limbic and fronto-striatal networks. I will explore how these studies have influenced current models of tinnitus neuropathophysiology, as well as their implications for neuromodulation therapies for this sometimes debilitating condition.

November 2, 2017 11:00am - 12:00pm

**Neuroscience Research Building (NRB 132)
635 Charles E. Young Dr. South**

For more information contact: Mary Susselman (310-206-4291, mwalker@mednet.ucla.edu)