Brain Mapping Center Seminar Series

Sponsored by the faculty of the Ahmanson-Lovelace Brain Mapping Center at UCLA

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: Danny JJ Wang, Ph.D., *Neurology, UCLA*

"Brain Imaging of Sleep Deprivation and Recovery"

Hengyi Rao, PhD

Assistant Professor, Center for Functional Neuroimaging & Unit for Experimental Psychiatry, Perelman School of Medicine, University of Pennsylvania

Insufficient sleep has multiple etiologies and is pervasive in contemporary societies. It is estimated that about 20% to 40% of the United States adults sleep less than 7-8 hours per night, which is the minimum sleep duration to prevent cumulative deterioration in cognitive performance. Sleep loss not only impairs cognition and behavior, but also increases the risk for multiple diseases including obesity, cardiovascular diseases, diabetes, depression, and prospective mortality. Specific neurocognitive domains affected by sleep deprivation include attention, memory and executive functions. In this seminar, Dr. Rao will present some new findings from his multimodal brain imaging studies and other groups about the detrimental effects of sleep deprivation on brain function and behavior as well as its recovery.

November 7, 2013

11:00am – 12:00pm

Neuroscience Research Building (NRB 132)

For more information contact: Ludmila Budilo (310-825-2699, lbudilo@ucla.edu) or Allan Wu (allanwu@mednet.ucla.edu)