Brain Mapping Center

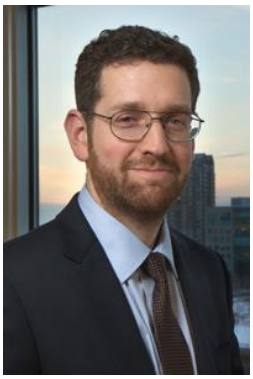
SEMINAR SERIES

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: Danny JJ Wang, PhD, Neurology, UCLA

How does tDCS work for so many things?



Marom Bikson, PhD

Professor of Biomedical Engineering, The City College of New York

Few neuroscience technologies have generated as much recent interest and debate as transcranial Direct Current Stimulation (tDCS). tDCS is explored for a remarkably wide range of behavioral interventions to treat neurological and psychiatric disorders, to accelerate rehabilitation after injury, and to enhance learning in healthy subjects. This talk reviews the technical and mechanism fundamentals of tDCS with the goal of explaining how specificity of action can be achieved. Specifically, how can tDCS be optimized and customized to produce specific changes in brain function. Data from computational models, animal testing, and clinical trials of tDCS is reviewed. New technologies such as High-Definition tDCS and EEG-tDCS coupling will be discussed.

December 10, 2015 1:00 pm - 2:00 pm

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

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