

“Near Infrared Spectroscopy and Imaging of Cerebral Plasticity”

David Boas

During this presentation I will review the use and state-of-the-art of near infrared spectroscopy and imaging for studying the hemodynamic response to brain activation. I will then review specific progress that has been made towards using this new neuroimaging method for studying the developing brain and correlating neurophysical measures with behavior. I will also review the application to studying cortical reorganization following brain trauma and stroke.