First Annual ISMRM-OHBM Joint Virtual Workshop

July 11, 2012

8AM Pacific US / 11AM Eastern US / 4PM UK / 5PM European Central

Organizers: Karla L Miller, Peter Bandettini, Mark A. Griswold

8:00 – 8:15 Transcranial Direct Current Stimulation (tDCS) Modulates Connectivity in Human Attention Networks (OHBM)
Peter Dechent, Carsten Schmidt-Samoa, Melanie Wilke
University Medicine Göttingen, Germany

8:15 – 8:30 A cross-modal, cross-species comparison of connectivity analyses in the primate cortex (OHBM)
Andrew Reid, John Lewis, Gleb Bezgin, Pierre Bellec, Budhachandra Kundrakpam, Anthony McIntosh, Alan Evans
Montreal Neurological Institute, Canada

8:30 – 8:45 Diffusion MRI measurement of Axon Diameter alterations induced by White Matter Plasticity (ISMRM)
Lea Vinokur, Daniel Barazany, Shimrit Tsur-Moryosef, Yaniv Assaf
Tel Aviv University, Israel

8:45 – 9:00 Structure Tensor Analysis of Histological Images to Examine Brain Microstructure (ISMRM)
Matthew Budde
Medical College of Wisconsin, USA

9:00 – 9:15 Reduced GABA in the Visual Cortex of Patients with NF1 – A New Perspective on the Disease Mechanism (OHBM)
Ines Violante, Maria Ribeiro, Richard Edden, Inês Bernardino, Jose Rebola, Pedro Guimarães, Gil Cunha, Eduardo Silva, Miguel Castelo-Branco
University of Coimbra, Portugal

9:15 – 9:30 Magnetic Resonance Spectroscopic Analysis of 2HG and Alterations in Metabolite Profiles in Brain Tumors with IDH1/2 Mutations (ISMRM)
Liya Wang, Anne Carroll, Jiliya Kalinina, Erwin Meir, Qiqi Yu, Junjun Tan, Ruya Zhao, Frank Liu, Shaoxiong Wu, Hui Mao
Emory University, USA

9:30 – 9:45 Enhanced fMRI Sensitivity using CBV based Contrast with the Blood Pool USPIO Agent Feruoxytol in Humans (ISMRM)
Deqiang Qiu, Greg Zaharchuk, Thomas Christen, Wendy Ni, Michael Moseley
Stanford University, USA

9:45 – 10:00 Hierarchical Tree-Guided Brain Disease Classification (OHBM)
Manhua Liu, Daoqiang Zhang, Dinggang Shen
University of North Carolina at Chapel Hill, USA