

Current Issues in Brain Function Study Group

Study Group Lounge, ISMRM 2013, Salt Lake City

Date: Wednesday, 24th April

Time: 13:30 – 15:30

Location: Room 155 ABC

A small “self-serve” theater is located in Room 155A (capacity 170). This theater will have a VGA connection at the podium, for direct display onto the large projection screen. The podium will also have a connected microphone.

Chair: Robert Turner

Program:

13:30 – 13:45 Study Group Business Meeting (Hanzhang Lu on next workshop, etc)

13:45 – 14:00 Summaries of Whistler Meeting (Todd Constable) and Noordwijk High Field Study Group Meeting (Dennis Klomp)

14:00 – 15:30 Short debate-format presentations on top topics

1) Resting State Networks: effects of neurochemicals and practice

Xin Hong: Brain Connectivity and CBF Changes Following Motor Training by MI-BCI Combined with TDCS in Stroke Patients

Dany D'Souza: Alterations of Resting-State Functional Activity and Connectivity in the Rat Brain Induced by Acute Ketamine Treatment--Implications for Schizophrenia

2) Functional Metabolism: a detailed look

Peter Herman: Neurometabolic and Neurovascular Couplings Across Cortical Layers of Rat Brain

Jeroen Siero: Tight Neurovascular Coupling in Human Sensorimotor Cortex: A Combined ECoG and 7T BOLD fMRI Experiment

3) Novel Techniques: what is it useful to measure?

Zhongming Liu: Neuroelectrical Decomposition of Spontaneous Brain Activity Observed with Functional Magnetic Resonance Imaging

Thomas Christen: A Fingerprinting Approach to Compute Blood Volume, Vessel Diameter and Blood Oxygenation Maps in the Human Brain

Christin Sander: Evaluation of fMRI Signal Versus Receptor Occupancy Using Simultaneous PET/fMRI