



## Henry H. Wheeler Jr. Brain Imaging Center Research Day *2010 Highlights*

Friday, December 10, 2010

Location: Valley, LSB 2040, UC Berkeley Campus

- 10:00** BIC update! Mark D'Esposito/Ben Inglis
- 10.25** Frontal cortex and the discovery of abstract action rules, Andy Kayser, UCSF
- 10.50** Changes in brain structure and function with reasoning training, Allyson Mackay (Bunge Lab)
- 11:15** Vascular Disease, Amyloid Imaging, and Cognitive Aging, Natalie Marchant (Jagust Lab)
- [5 minute stretch break]*
- 11.45** Directing sleep to selectively forget and remember human memories  
Jared Saletin (Walker lab)
- 12.05** Assessing top-down modulation using TMS and fMRI, Emi Nomura (D'Esposito Lab)
- 12.30** Speech reconstruction from human intracranial recordings, Brian Pasley (Knight Lab)
- 12:30 - 1:45** **LUNCH BREAK** (on your own)
- 1:45** Spatial attention enhances perception by suppressing slow endogenous BOLD fluctuations in visual cortex, David Bressler (Silver Lab)
- 2:10** Rich semantic selectivity in visual cortex revealed by responses to natural movies, Alex Huth (Gallant Lab)
- 2:35** Parietal activity is modulated by feeling of knowing in episodic and semantic fact retrieval", Jeremy Elman (Shimamura lab)
- [5 minute stretch break]*
- 3:00** Your blood-soaked brain: fMRI in the presence of task-related heart rate variation, Sarah Hillenbrand (Ivry Lab)
- 3:25** Multiplexed Echo Planar Imaging with Sub-second Whole Brain FMRI and Fast Diffusion Imaging, David Feinberg
- 3:50** Neuroimaging in Python Tools (NiPy), Ariel Rokem (Silver Lab)