



Henry H. Wheeler Jr. Brain Imaging Center Research Day *2011 Highlights*

Monday, December 19, 2011, VLSB 2040, UC Berkeley

- 9:30** BIC update! Mark D'Esposito/Ben Inglis
- 9:55** REM-sleep depotentiates amygdala reactivity to prior emotional experiences
Els van der Helm (Walker lab)
- 10:20** Development of Analogical Reasoning through Childhood and Adolescence
Kirstie Whitaker (Bunge Lab)
- 10:45** Genetic effects on behavior are mediated by neurotransmitters and large-scale neural networks
Linh Dang (Jagust Lab)
- [5 minute stretch break]*
- 11:15** Inhibitory mechanisms involved in actions, Ludovica Labruna (Ivry Lab)
- 11:40** The dynamic nature of top-down signals originating from prefrontal cortex: a combined fMRI-TMS study, Taraz Lee(D'Esposito Lab)
- 12:05** An electrocorticography (ECoG) study of hierarchical processing in frontal cortex, Brad Voytek
- 12:30 - 2:00** **LUNCH BREAK** (on your own)
- 2:00** Critical decision making under time pressure studied with highly accelerated multiplexed-EPI
An Vu (Feinberg Lab)
- 2:25** Deep learning methods for studying representation in the visual stream
Dustin Stansbury (Gallant Lab)
- 2:50** Hemispheric asymmetry of spatial attention effects in human topographic parietal cortex,
Summer Sheremata (Silver Lab)
- [5 minute stretch break]*
- 3:20** The impact of focal lesions on modular organization of the brain, Caterina Gratton (D'Esposito lab)
- 3:45** Anatomical networks in the macaque brain: mining the CoCoMac database with open source tools,
Fernando Perez
- 4:10** The Effects of Catechol-O-Methyltransferase Inhibition on Impulsivity: a Functional MRI Study,
Andy Kayser, Gallo Clinic and Research Center, UCSF