

# **Program for Brain Imaging Center Research Day – December 13th, 2004**

Location: GPB 100 Lecture Hall, UC Berkeley Campus.

8.30 BREAKFAST for visitors, speakers and moderators

9.00 WELCOME – Mark D'Esposito

9.10 SCANNER STATUS REPORT – Ben Inglis

## **fMRI SIGNAL PROCESSING and OTHER METHODS**

9:30 Distortion correction of echoplaner images, Suzanne Baker

9:45 Normalization of BOLD data across populations, Dan Handwerker

10:00 Analysis of phase information in BOLD time series, Felice Sun

10:15 Approaches to high resolution fMRI in visual cortex", Brian Pasley

## **10.30–11:00 MORNING BREAK (coffee and breakfast items)**

## **CONVERGENT METHODOLOGIES**

11.00 Intraoperative electrical recording, Maryam Soltani and Eric Edwards

11.15 Magnetoencephalography, Sri Nagaragan

11:30 Methods of integrating fMRI and ERP – Craig Soderquist

11.45 Methods of integrating fMRI and transcranial stimulation, Tim Verstynen

## **LUNCH 12.00 – 1:30**

## **CLINICAL STUDIES**

1.30 Functional MRI studies of pain – John Keltner

1.45 Functional MRI studies of addiction – Charlotte Boettiger

2:00 Functional MRI studies of normal aging, Adam Gazzaley

2:15 Functional MRI studies of attention-deficit disorder, Margaret Sheridan

## **SENSORY AND MOTOR SYSTEMS**

2:30 Perceptual metamers in early visual cortex, Kai Schreiber

2:45 Attentional effects and vasculature artifacts in standard fMRI retinotopic mapping – Kendrick Kay

3:00 Spatial attention biases BOLD retinotopic maps of intermediate visual areas, Kathleen Hansen

3:15 The cerebellum in discrete and continuous timing, Bekki Spenser

3.30 The "what" and "where" subsystems in human olfaction, Jessica Porter

## **3.45 – 4.00 AFTERNOON BREAK (coffee and cookies)**

## **HIGHER ORDER COGNITION**

4:00 Limbic and Prefrontal Activation During Emotion Cognition Interaction: An fMRI Study, Cathrine Dam

4.15 Functional MRI studies of reward and motivation, Dan Krawczyk

4.30 Functional MRI studies of top-down modulation, Brian Miller

4.45 Functional MRI studies of face processing, Joe Degutis

## **5.00 CLOSING REMARKS**