



Oct. 29th, 2010

CIN Systems Neuroscience Retreat

Programme:

- 8:30 Coffee
8:55 Welcome
9:00 **Session 1: Neurophysiology and Behavior (Perception/Cognition)**
Annette Werner (CIN): "Towards understanding the central color code"
Ziad Hafed (CIN): "Influence of microsaccades on visual sensory representations: physiology and behavior"
Alla Ignashchenkova (Hertie): "Neurobiology of covert visual attention in the cortical eye fields"
Dominik Brugger (Hertie): "Stabilizing electrically evoked potentials in rat barrel cortex"
10:20 Coffee/discussion
11:00 **Session 2: Theory**
Christoph Kayser (MPI): "The importance of time scales for neural coding in sensory cortices"
Martin Giese (CIN): "Visual action processing in the mirror neurons: electrophysiological studies and neural model"
Matthias Bethge (CIN): "An analytically tractable model of neural population activity in the presence of common input explains high-order correlations and entropy"
12:00 Lunch break
15:00 **Session 3: Neuroimaging (Perception/Cognition)**
Uta Noppeney (MPI): "Audiovisual integration within the cortical hierarchy: neural mechanisms and functional relevance"
Andreas Bartels (CIN): "Visual processing of self and object motion in the human brain"
Kirsten Volz (CIN): "Neural correlates of intuitive decision processes"
16:00 Coffee/discussions
17:00 **Session 4: Neurophysiology, Imaging, and Behavior (Motor Systems)**
Peter Thier (CIN): "The compensation of fatigue and its relationship to motor learning"
Axel Lindner (Hertie): "fMRI of action planning"
Marc Himmelbach (Hertie): "Optic Ataxia – Interpretations of a visuomotor impairment"
18:00 **Posters from some attendees/Discussion**
18:30 Dinner