

Agenda for Annual Conte Center Meetings, 2006

Monday, September 11, 2006

McGovern Institute, MIT, Rm. 46-3189 (43 Vassar Street, Cambridge)

10:00–10:15 **Coffee** – **Atrium**

10:15–12:40 **Presentations** [15 minutes each – strictly enforced]

- Tomaso Poggio** Introduction: Feedforward Model
Ulf Knoblich+Jake Bouvrie *Spiking Neural Circuits for Gaussian Tuning and the Maximum Operation*
- David Ferster** Physiology in Area 17
- Jim DiCarlo** Introduction: Physiology in IT
Davide Zoccolan *Object Recognition in Clutter: Selectivity and Invariance Properties in the Monkey Inferotemporal Cortex*
Minjoon Kouh *Tradeoff between Selectivity and Tolerance in Model of Object Recognition*
- Tomaso Poggio** Introduction: Model and Natural Scenes
Thomas Serre *Explaining Rapid Categorization*
Gabriel Kreiman *On the Limits of Feed-forward Processing of Visual Information*

12:30–2:00 **Lunch** – **Rm. 46-5165**

2:00–3:15 **Presentations** [15 minutes each – strictly enforced]

- Christof Koch** Introduction: Attention
Dirk Walther *Measuring the Cost of Deploying Top-down Attention*
Wolfgang Einhaeuser *Task Demands Can Reverse the Effects of Visual Saliency*
Ueli Rutishauser *Deployment of Feature-based Top-down Attention during Visual Search*
Farshad Moradi *Differential Attentional Effects in Human Visual Cortex Consistent with a Feed-forward Gain Cascade Model*

3:15–3:30 **Tea** – **Atrium**

3:30–5:00 **Presentations** [15 minutes each – strictly enforced]

- Earl Miller** Introduction: Physiology in PFC
Earl Miller *Top-down and bottom-up: from PFC to LIP*
Ethan Meyers *Reading Out Information from Populations of ITC and PFC Neurons*
- Max Riesenhuber** Introduction: fMRI and Theory
Xiong Jiang *Categorization Training Results in Shape- and Category-Selective Human Neural Plasticity*

5:00–6:00 **Advisory Board** meets separately

6:00–7:00 **Advisory Board** meets with PIs only

7:30–10:00 **Dinner** at Blue Room – One Kendall Square complex, intersection of Hampshire Street and Portland Street

(all participants and Advisory Board are invited)

Tuesday, September 12, 2006

McGovern Institute, MIT, Room 46-3189

- 9:15–10:00 **Breakfast – Atrium**
Summary of previous day by Tomaso Poggio and Pls
- 10:00–10:40 **Tirin Moore**
The Role of the Frontal Eye Field in the Selection of Representations in the Visual Cortex
- 10:40–11:00 **Coffee – Atrium**
- 11:00–11:40 **Shihab Shamma**
Navigating Cluttered Acoustic Environments
- 11:45–1:00 **Buffet Lunch – Atrium**
- 1:00–2:00 **Seminar Talk by Aude Oliva – Rm. 46-3002**
CBCL Brains & Machines Seminar: *Investigating the Role of Top Down Contextual Priors on Object Search in Real World Scenes*