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)
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| 9:15–10:00 | **Breakfast** – Atrium  
*Summary of previous day by Tomaso Poggio and PIs* |
| 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* |