

**Cognitive Neuroscience Treatment Research to Improve Cognition in Schizophrenia  
Developing Homologous Animal Models  
April 29<sup>th</sup> – April 30<sup>th</sup>, 2010**

**Thursday, April 29<sup>th</sup>**

**Introduction and Overview**

- 8:15 am: **Introduction and Background for CNTRICS, Goals for the Meeting**  
Cameron S. Carter
- 8:30 am: **Summary of Prior Meetings**  
Deanna M. Barch
- 8:45 am: **Overview of key issues in pre-clinical research on cognitive function in schizophrenia**  
Mark Geyer
- 9:15 am: **Key questions and goals for pre-clinical research**  
Holly Moore
- 9:45 am: Coffee Break

**Cognitive/Affective Process Models in Translational Research**

- 10:00 am: **Topic 1: Issues of construct validity and neurocognitive homology: How these have been examined in relevant domains as a means to understand general strategies and approaches.**

The goal of the talks and discussion in each domain are to address the following three questions:

- a) **How has this process (es) been operationalized in animal research?**
- b) **How is this a change from human operationalizations and why?**
- c) **How do we reconcile these different definitions from different traditions and their implications for understanding neurobiological processes?**

**Working Memory, Attention & Executive Control**

- 10:00 am: **Primate Speaker:** Graham Williams & Stacey Castner
- 10:30 am: **Rodent Speaker:** Paul Dudchenko
- 11:00 am: **Panel Discussion**  
Mark Tricklebank (Facilitator)  
Martin Sarter  
David Jentsch  
Hugh Marston  
Larry Snyder

**Perception**

- 11:30 am: **Primate Speaker:** Robert Shapley
- 12:00 pm: **Rodent Speaker:** Steve Siegel
- 12:30 pm: **Panel Discussion**  
Charlie Schroeder (Facilitator)  
Andre Fenton  
Casey Cromwell  
Geoff Woodman  
Steve Dakin

1:00 pm: Lunch

### **Episodic Memory**

2:00 pm: **Primate Speaker:** Betsy Murray

2:30 pm: **Rodent Speaker:** Ray Kesner

3:00 pm: **Panel Discussion**

Charan Ranganath (Facilitator)  
Mark Baxter  
Rudy Schreiber

3:30 pm: Coffee Break

### **Motivation**

3:45 pm: **Primate Speaker:** John Wallis

4:15 pm: **Rodent Speaker:** John Salamone

4:45 pm: **Panel Discussion**

Athena Markou (Facilitator)  
Thomas Steckler  
Todd Braver  
Camillo Padoa-Schioppa

## **Friday, April 30<sup>th</sup>**

### **Etiological or Pathophysiological Models**

8:30 am: **Topic 1: Advantages and challenges of using a disease model**

8:30 am: Trevor Robbins: Functional Neuroanatomy

9:00 am: Patricio O'Donnell: Developmental

9:30 am: Jared Young: Genetic Models

10:00 am: Thomas Steckler: Pharmacological

10:30 am: Discussion

11:00 am: Coffee Break

11:15 am: **Topic 2: What type of disease model is useful/necessary for what type of question?**

Mark Geyer  
Holly Moore  
Judy Jaeger  
Dani Brunner  
Hugh Marston  
Paul Patterson  
Tony Grace

12:15 pm: **General Discussion**

1:00 pm: Adjourn/Lunch