Cognitive Neuroscience Treatment Research to Improve Cognition in Schizophrenia
Evaluating Potential Biomarkers of Cognitive Function

Thursday, October 29th

Introduction and Overview

8.15 am	Introduction and Background for CNTRICS Cameron S. Carter, M.D.
8.30 am	Summary of Survey Results Deanna M. Barch, Ph.D.
8:45 am	The promises and pitfall of cognitive biomarkers in treatment research Ed Bullmore

EEG and ERP Methods

9:30 am	Physiological Bases of EEG & MEG Signals & the Application of MEG in Translational Research Matti Hamalainen
10:15 am	Coffee Break
10:30 am	Methodological Challenges for EEG in Clinical and Translational Research Steve Luck
11:15 am	Time Frequency approaches for EEG analysis (Time Coherence, etc.) Kevin Spencer
12:00 pm	Discussant Peter Uhlhaas
12:15 pm	Group Discussion
1:00 pm	Lunch

Novel Methods

2:00 pm	Dynamic Ligand Based Cognitive/Affective Imaging Alain Dagher
2:45 pm	NIR Maria Franceschini
3:30 pm	Coffee Break
3:45 pm	Recent Advances in TMS I Sarah (Holly) Lisanby
4:30 pm	Recent Advances in TMS II Alvaro Pascual-Leone
7:00 pm	Dinner

Friday, October 30th

Functional Magnetic Resonance Imaging

8:30 am   Physiological Bases of Bold Signal & Pharmacological Effects on the Hemodynamic Response
           Peter Bandettini

9:15 am   Reliability, Quality Assurance and Multisite Trials
           Gary Glover

10:00 am   Coffee Break

10:15 am   Analysis Approaches to the Assessment of Reliability
           Daniel Mathalon

11:00 am   Analysis approaches – optimizing sensitivity and inference for translation
           Tor Wager

11:45 am   Discussant
           Randy Gollub

12:00 pm   Group Discussion

1:00 pm   Lunch and End of Meeting