Friday, October 17, 2014

Twentieth Century Club, Ballroom | 4201 Bigelow Blvd.

2 p.m.  Welcome – Peter Strick, Ph.D.
Co-Director, Center for the Neural Basis of Cognition, University of Pittsburgh

Marlene Behrmann, Ph.D.
Co-Director, Center for the Neural Basis of Cognition, Carnegie Mellon University

2:15 p.m.  John Bruer, Ph.D., President, James S. McDonnell Foundation
WHERE IN THE WORLD (OF COGNITIVE NEUROSCIENCE) IS CNBC?

3:15 p.m.  Helen S. Mayberg, M.D., Professor of Psychiatry, Neurology and Radiology
and the Dorothy Fuqua Chair in Psychiatry, Imaging and Therapeutics,
Emory University School of Medicine
RETHINKING DEPRESSION AND ITS TREATMENT:
INSIGHTS FROM STUDIES OF DEEP BRAIN STIMULATION

4:15 p.m.  Break

4:30 p.m.  CNBC Alumni

A. David Redish, Ph.D., Distinguished McKnight Professor
Department of Neuroscience, University of Minnesota
THE COGNITIVE RAT

Yuko Munakata, Ph.D., Professor
Department of Psychology and Neuroscience, University of Colorado Boulder
DEVELOPING INHIBITORY CONTROL

Matthew Roesch, Ph.D., Associate Professor
Department of Psychology, Program in Neuroscience and Cognitive Science,
University of Maryland
OBSERVATION OF REWARD DELIVERY TO A CONSPECIFIC MODULATES
DOPAMINE RELEASE IN VENTRAL STRIATUM

5:30 p.m.  Walk or Transportation to Carnegie Mellon campus

5:30 p.m.  NEURONS AND OTHER MEMORIES – WORK IN AND AROUND THE BRAIN
Opening and reception
Featuring investigations, translations and reflections of neural mechanisms
by artists and neuroscientists
Miller Gallery, Purnell Center for the Arts, Carnegie Mellon

6:30 p.m.  Reception and Dinner (7:30-9:30) (by invitation only)
Rangos Ballroom, Cohon University Center, Carnegie Mellon
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8:30 a.m. Light Breakfast

9 a.m. Rafi Malach, Ph.D., Morris and Barbara Levinson Professor of Brain Research
Department of Neurobiology, Weizmann Institute of Science
FREE ASSOCIATIONS IN THE HUMAN CEREBRAL CORTEX

10:00 a.m. CNBC Alumni
Elizabeth Tricomi, Ph.D., Assistant Professor
Department of Psychology, Rutgers University
EFFECTS OF MOTIVATION ON FEEDBACK PROCESSING DURING LEARNING

Vivienne L. Ming, Ph.D., Vice President of Research & Insight, Gild; Visiting Scholar,
Redwood Center for Theoretical Neuroscience, University of California–Berkeley
WHAT IS THE ECONOMIC COST OF UNREALIZED HUMAN POTENTIAL?

Randy M. Bruno, Ph.D., Associate Professor
Department of Neuroscience, Columbia University
THE NEOCORTICAL CIRCUIT IS TWO CIRCUITS

11:00 a.m. Break

11:20 a.m. CNBC Alumni
Rebecca Berman, Ph.D., Staff Scientist
Laboratory of Neuropsychology, National Institute of Mental Health
BRAIN CIRCUITS FOR THE SEEN AND UNSEEN: HOW INTERNAL SIGNALS CHANGE PERCEPTION.

Nathaniel Daw, Ph.D., Associate Professor
Center for Neural Science and Department of Psychology, New York University
REINFORCEMENT LEARNING AND BEYOND

Noon Short Walk to University Club

12:30 p.m. Alumni & Student Lunch, Ballroom A
Faculty, Postdoc, & Guest Lunch, Ballroom B
University Club, 123 University Place

1:30 p.m. Short Walk to Twentieth Century Club

2 p.m. Emery N. Brown, M.D., Ph.D.
Edward Hood Taplin Professor of Medical Engineering, Institute for Medical Engineering and Science, Professor of Computational Neuroscience, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology; Warren M. Zapol Professor of Anaesthesia, Harvard Medical School, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital
THE DYNAMICS OF THE UNCONSCIOUS BRAIN UNDER GENERAL ANESTHESIA

3 – 5 p.m. Poster Session
As we celebrate 20 years of the Center for the Neural Basis of Cognition, we acknowledge with gratitude the founding gift of the Richard King Mellon Foundation. We recognize also the generosity of the Hillman Foundation for its sponsorship of this event.