

# National Institutes of Health Advisory Committee to the Director

## Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Working Group

**OPEN SESSION AGENDA — JUNE 26, 2013; 8:30–12:30 (EDT)**

Location: The Rockefeller University; Welch Hall Building, Great Hall  
Dial In: 1-888-469-0870; Passcode: BRAIN

**8:30 AM**      **Introductions and Opening Remarks**  
Cori Bargmann, PhD, and Bill Newsome, PhD  
*Co-chairs, ACD BRAIN Working Group*

### INVITED PRESENTATIONS – WHAT IS THE STATE OF THE SCIENCE?

#### ***LARGE-SCALE RECORDING TECHNOLOGIES AND STRUCTURAL NEUROBIOLOGY***

**8:40 AM**      **Large-Scale Electrode Recordings**

8:40 AM      György Buzsáki, MD, PhD, FAAAS  
*Biggs Professor of Neural Sciences, New York University*

8:55 AM      Markus Meister, PhD  
*Professor of Biology, California Institute of Technology*

9:10 AM      Edward Boyden, PhD  
*Benesse Chair, New York Stem Cell Foundation-Robertson Investigator,  
and Paul Allen Distinguished Investigator, Massachusetts Institute of  
Technology; Associate Professor, MIT Media Lab and McGovern  
Institute*

9:25 AM      Hongkun Park, PhD  
*Professor of Chemistry and Physics, Harvard University*

**9:40 AM**      **Optical Technology for Neural Recording and Stimulation**

9:40 AM      Kristin Scott, PhD  
*Associate Professor, University of California, Berkeley*

9:55 AM      Florian Engert, PhD  
*Professor of Molecular and Cellular Biology, Harvard University*

**10:10 AM**      **Break**

## OPEN SESSION AGENDA — JUNE 26, 2013; 8:30–12:30 (EDT)

### INVITED PRESENTATIONS – WHAT IS THE STATE OF THE SCIENCE?

#### *LARGE-SCALE RECORDING TECHNOLOGIES AND STRUCTURAL NEUROBIOLOGY*

#### **10:25 AM      Optical Technology for Neural Recording and Stimulation (*cont.*)**

- 10:25 AM      Karel Svoboda, PhD  
*Group Leader, Janelia Farm Research Campus*
- 10:40 AM      Mark Schnitzer, PhD  
*Associate Professor of Biology and Applied Physics, Stanford University*
- 10:55 AM      Rafael Yuste, MD, PhD  
*Professor, Columbia University*

#### **11:10 AM      Connectomics and Molecular Mapping**

- 11:10 AM      Winfried Denk, PhD  
*Director, Max Planck Institute for Medical Research*
- 11:25 AM      Jeff Lichtman, MD, PhD  
*Professor of Molecular and Cellular Biology, Harvard University*
- 11:40 AM      Pavel Osten, MD, PhD  
*Associate Professor, Cold Spring Harbor Laboratory*

#### **11:55 AM      Technology and Databases for Model Systems**

- 11:55 AM      Michale Fee, PhD  
*Professor, McGovern Institute, Massachusetts Institute of Technology*

#### **12:10 PM      Public Comments**

#### **12:30 PM      Concluding Remarks and Open Session Adjournment**

Cori Bargmann, PhD, and Bill Newsome, PhD  
*Co-chairs, ACD BRAIN Working Group*