

# National Institutes of Health Advisory Committee to the Director

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

**OPEN SESSION AGENDA — MAY 29, 2013; 8:20–12:45 (PDT)**

Dial In: 1-800-593-1361; Passcode: BRAIN

**8:20 AM**      **Opening Remarks**  
Cori Bargmann, PhD, and Bill Newsome, PhD  
*Co-chairs, ACD BRAIN Working Group*

### **INVITED PRESENTATIONS — MOLECULAR APPROACHES** *What is the state of the science?*

**8:30 AM**      **Genetic Access to Neurons and Circuits**

8:30 AM      Nathaniel Heintz, PhD  
*James and Marilyn Simons Professor, Rockefeller University*

8:45 AM      Gerald Rubin, PhD  
*Vice President and Executive Director, Janelia Farm Research Campus*

9:00 AM      Hongkui Zeng, PhD  
*Senior Director, Allen Institute for Brain Science*

9:15 AM      Feng Zhang, PhD  
*Core Member, Broad Institute; Investigator, McGovern Institute for Brain Research; and Assistant Professor of Neuroscience, Massachusetts Institute of Technology*

**9:30 AM**      **Tracing Circuits**

9:30 AM      Edward Callaway, PhD  
*Audrey Geisel Chair and Professor, Salk Institute for Biological Studies*

9:45 AM      Liqun Luo, PhD  
*Professor of Biology, Stanford University*

10:00 AM      Clay Reid, PhD  
*Senior Investigator, Allen Institute for Brain Science*

**10:15 AM**      **Break**

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### INVITED PRESENTATIONS — MOLECULAR APPROACHES

*What is the state of the science?*

#### 10:30 AM Monitoring Circuits

- 10:30 AM George Church, PhD  
*Professor of Genetics, Harvard University*
- 10:45 AM Loren Looger, PhD  
*Group Leader, Janelia Farm Research Campus*
- 11:00 AM Atsushi Miyawaki, MD, PhD  
*Senior Team Leader, RIKEN Brain Science Institute*
- 11:15 AM Alice Ting, PhD  
*Ellen Swallow Richards Associate Professor of Chemistry, Massachusetts Institute of Technology*

#### 11:30 AM Manipulating Circuits

- 11:30 AM Karl Deisseroth, MD, PhD  
*DH Chen Professor of Bioengineering and of Psychiatry and Behavioral Sciences, Stanford University*
- 11:45 AM Ehud Isacoff, PhD  
*Professor and Head of Neurobiology, University of California, Berkeley*
- 12:00 PM George Whitesides, PhD  
*Woodford L and Ann A Flowers University Professor, Harvard University*

#### 12:15 PM Public Comments

#### 12:45 PM Concluding Remarks and Open Session Adjournment

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