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
## Invited Presentations – What is the State of the Science?

**Large-Scale Recording Technologies and Structural Neurobiology**

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Affiliation</th>
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<tr>
<td>10:25 AM</td>
<td>Optical Technology for Neural Recording and Stimulation (cont.)</td>
<td>Karel Svoboda, PhD</td>
<td>Group Leader, Janelia Farm Research Campus</td>
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<td>10:40 AM</td>
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<td>Mark Schnitzer, PhD</td>
<td>Associate Professor of Biology and Applied Physics, Stanford University</td>
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<td>10:55 AM</td>
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<td>Rafael Yuste, MD, PhD</td>
<td>Professor, Columbia University</td>
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<td>11:10 AM</td>
<td>Connectomics and Molecular Mapping</td>
<td>Winfried Denk, PhD</td>
<td>Director, Max Planck Institute for Medical Research</td>
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<td>11:25 AM</td>
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<td>Jeff Lichtman, MD, PhD</td>
<td>Professor of Molecular and Cellular Biology, Harvard University</td>
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<td>11:40 AM</td>
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<td>Pavel Osten, MD, PhD</td>
<td>Associate Professor, Cold Spring Harbor Laboratory</td>
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<td>11:55 AM</td>
<td>Technology and Databases for Model Systems</td>
<td>Michale Fee, PhD</td>
<td>Professor, McGovern Institute, Massachusetts Institute of Technology</td>
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<td>12:10 PM</td>
<td>Public Comments</td>
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<td>12:30 PM</td>
<td>Concluding Remarks and Open Session Adjournment</td>
<td>Cori Bargmann, PhD, and Bill Newsome, PhD</td>
<td>Co-chairs, ACD BRAIN Working Group</td>
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