



Agenda:

12:00 pm ET Opening remarks

Ruben Alvarez, Ed.D.

Deputy Director, Office of Technology Development and Coordination, NIMH

12:05 pm ET Keynote address

Caroline Montojo, Ph.D.

President, The Dana Foundation

12:15 pm ET Panel 1: The state of the art and the challenges and opportunities ahead

Moderators:

Kristen Harris, Ph.D.

Workshop Series Co-Chair; Professor of Neuroscience, University of Texas – Austin

Peter Littlewood, Ph.D.

Workshop Series Co-Chair; Professor of Physics, The University of Chicago;

Emeritus Director, Argonne National Lab

Panelists:

Larry Abbott, Ph.D.

Workshop 1 Co-Lead; William Bloor Professor of Theoretical Neuroscience, Professor of Physiology and Cellular Biophysics, Columbia University

Eve Marder, Ph.D.

Workshop 1 Co-Lead; Victor and Gwendolyn Beinfield Professor of Biology, Brandeis University

Davi Bock, Ph.D.

Workshop 2 Co-Lead; Research Associate Professor, University of Vermont College of Medicine

Hongkui Zeng, Ph.D.

Workshop 2 Co-Lead; Executive Vice President and Director, Allen Institute for Brain Science

Mark Ellisman, Ph.D.

Workshop 3 Co-Lead; Director, National Center for Microscopy and Imaging Research; Professor, Neurosciences, Bioengineering; Director, Center for Research in Biological Systems

Galya Orr, Ph.D.

Workshop 3 Co-Lead; Biomedical Scientist, Pacific Northwest National Laboratory

Nicola Ferrier, Ph.D.

Workshop 4 Co-Lead; Senior Computer Scientist, Argonne National Laboratory

Viren Jain, Ph.D.

Workshop 4 Co-Lead; Senior Staff Research Scientist, Google

Mala Murthy, Ph.D.

Workshop 5 Co-Lead; Professor of Neuroscience, Princeton University

Joshua Vogelstein, Ph.D.

Workshop 5 Co-Lead; Assistant Professor of Biomedical Engineering, Biostatistics, Applied Mathematics & Statistics, Neuroscience, and Computer Science, Johns Hopkins University



1:20 pm ET **Q&A with audience**

1:40 pm ET **Break**

1:50 pm ET **Panel 2: The significance of mapping mammalian brain circuitry at scale**

Moderators:

Cori Bargmann, Ph.D.

Torsten N. Wiesel Professor of Genetics and Genomics, Neurosciences and Behavior, The Rockefeller University; Head of Science, Chan Zuckerberg Initiative

Terrence Sejnowski, Ph.D.

Professor, Head, Computational Neurobiology Laboratory, Francis Crick Chair, The Salk Institute

Panelists:

Emery Brown, M.D., Ph.D.

Edward Hood Taplin Professor of Medical Engineering and of Computational Neuroscience, Professor of Health Sciences and Technology, Massachusetts Institute of Technology; Warren M. Zapol Professor of Anaesthesia, Harvard Medical School, Massachusetts General Hospital; Director, Harvard-MIT Health Sciences and Technology Program, MIT; Associate Director, Institute for Medical Engineering and Science, MIT; Investigator, Picower Center for Learning and Memory, MIT

Elizabeth Buffalo, Ph.D.

Professor and Chair, Department of Physiology and Biophysics, University of Washington School of Medicine; Interim Associate Director for Research, Washington National Primate Research Center

Gwyneth Card, Ph.D.

Group Leader, Howard Hughes Medical Institute Janelia Research Campus

Ed Lein, Ph.D.

Senior Investigator, Allen Institute for Brain Science; Affiliate Professor of Neurological Surgery, University of Washington

Stephen Streiffer, Ph.D.

Deputy Laboratory Director for Science and Technology, Argonne National Laboratory

2:35 pm ET **Q&A with audience**

2:55 pm ET **Closing remarks**

John Ngai, Ph.D.

Director, NIH Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative

Harriet Kung, Ph.D.

Deputy Director for Science Programs, Office of Science, U.S. Department of Energy

3:00 pm ET **Town Hall ends**