

Program Agenda

8:30 Welcome

L. Reuven Pasternak, MD, Chief Executive Officer, Stony Brook University Hospital;
Vice President for Health Systems, Stony Brook Medicine

Dennis W. Choi, MD, PhD, Director, Neurosciences Institute; Chair, Department of Neurology,
SUNY Stony Brook

8:45 Keynote Speaker

Using Fixed Circuits to Generate Variable Behaviors, **Cornelia Isabella Bargmann, PhD**, Investigator,
Howard Hughes Medical Institute; Torsten N. Wiesel Professor, The Rockefeller University

9:45 *Mapping the Long-Term Memory Trace*, **Todd Sacktor, MD**, Distinguished Professor of Physiology,
Pharmacology and Neurology, SUNY Downstate

10:15 *Magnetogenetics: Remote Stimulation of Cells Using Nano Particle Heating*, **Arnd Pralle, PhD**,
Associate Professor, Department of Physics, SUNY Buffalo

10:45 Morning Break

11:00 *Mapping the Functional Output of Newly Generated Neurons in the Adult Neural Circuit*,
Shaoyu Ge, PhD, Assistant Professor, Department of Neurobiology & Behavior, SUNY Stony Brook

11:30 *Functional Mapping of Human Brain Cells*, **Jian Feng, PhD**, Professor, Department of Physiology
and Biophysics, SUNY Buffalo

Noon *Thalamocortical Pathways and Visual Cortical Maps*, **Jose-Manuel Alonso, MD, PhD**, Professor,
Graduate Center for Vision Research, SUNY College of Optometry

12:30 Lunch

1:30 *Functional Mapping of the Human Brain*, **Gerwin Schalk, PhD**, Research Scientist, Wadsworth Center;
Associate Professor, Biomedical Sciences, SUNY Albany

2:00 *Flexible Electronics: Applications to Brain Mapping*, **James Turner, PhD**, Research Scientist,
Department of Small Scale Systems Integration and Packaging Center, SUNY Binghamton

2:30 *Brain-Wide Glymphatic Waste Drainage Quantified by Integrative PET-MRI*, **Helene Benveniste, MD**,
Professor of Anesthesiology and Radiology; Vice Chair for Research, Department of Anesthesiology,
SUNY Stony Brook

3:00 Afternoon Break

3:15 *Astrocytic GABA and Alzheimer's Disease*, **C. Justin Lee, PhD**, Principal Research Scientist,
Brain Science Institute, Korea Institute for Science and Technology (KIST)

3:45 **Group Discussion**

4:30 Closing Remarks

Raphael P. Davis, MD, Co-Director, Neurosciences Institute; Chair, Department of Neurosurgery,
SUNY Stony Brook