

Center for Neural Systems Restoration

2024 Fall Symposium

# NeuroSystems: From Circuits to Restoration

Sept. 17 - 18, 2024

Houston Methodist Research Institute | John F. Bookout Auditorium (R2-306)

## AGENDA

Tuesday, Sept. 17	
8 a.m.	<b>Registration and Breakfast</b> (Registration open until 3 p.m.)
9 a.m.	<b>Opening Remarks from CNSR Directors</b> <b>Valentin Dragoi, PhD</b> , Houston Methodist/Rice University <b>Gavin Britz, MD</b> , Houston Methodist <b>Behnaam Aazhang, PhD</b> , Rice University
9:15 a.m.	<b>Session 1</b> 3 speakers, 30 min each
10:45 a.m.	<b>Introduction to DARPA Programs</b> DARPA Program Officer
11:05 a.m.	<b>Coffee Break</b>
11:30 a.m.	<b>Session 2</b> 3 speakers, 30 min each
1 p.m.	<b>Lunch Break</b>
2:30 p.m.	<b>Session 3</b> 3 speakers, 30 min each
4 p.m.	<b>Coffee Break</b>
4:25 p.m.	<b>Session 4</b> 3 speakers, 30 min each
5:55 p.m.	<b>Hors d'oeuvres</b>

# AGENDA

## Wednesday, Sept. 18

8 a.m.	<b>Registration and Breakfast</b> (Registration open until 3 p.m.)
9 a.m.	<b>Introduction to Programs by Federal Agencies</b>
9:20 a.m.	<b>Session 5</b> 3 speakers, 30 min each
10:50 a.m.	<b>Coffee Break</b>
11:15 a.m.	<b>Session 6</b> 3 speakers, 30 min each
12:45 a.m.	<b>Lunch Break</b>
2:15 p.m.	<b>Session 7</b> 3 speakers, 30 min each
3:45 p.m.	<b>Coffee Break</b>
4:10 p.m.	<b>Session 8</b> 3 speakers, 30 min each
5:40 p.m.	<b>Concluding Remarks</b>
6 p.m.	<b>Reception</b>

Center for Neural Systems Restoration

2024 Fall Symposium

# NeuroSystems: From Circuits to Restoration

## CONFIRMED SPEAKERS



### **Tim Harris, PhD**

Senior Fellow, HHMI Janelia Research Campus  
Research Professor, Biomedical Engineering,  
Johns Hopkins University



### **Christopher Harvey, PhD**

Professor, Neurobiology  
Harvard Medical School



### **Mriganka Sur, PhD**

Newton Professor of Neuroscience,  
Investigator, The Picower Institute for Learning and Memory  
Director, Simons Center for the Social Brain  
Professor, Department of Brain and Cognitive Sciences  
Massachusetts Institute of Technology



### **Steve Chang, PhD**

Associate Professor, Psychology  
Associate Professor, Neuroscience  
Yale University



### **Stefano Panzeri, PhD**

Director, Institute of Neural Information Processing  
University Medical Center Hamburg-Eppendorf



### **Kara Marshall, PhD**

Assistant Professor, Neuroscience  
Jan and Dan Duncan Neurological Research Institute  
at Texas Children's Hospital  
McNair Scholar  
Baylor College of Medicine



### **Baibhab Chatterjee, PhD**

Assistant Professor, Electrical and Computer Engineering  
University of Florida



### **Robert Gaunt, PhD**

Associate Professor and Engineering Director,  
Rehab Neural Engineering Labs  
University of Pittsburgh



### **Lan Luan, PhD**

Associate Professor, Electrical and Computer Engineering  
Rice University



### **Richard Andersen, PhD**

James G. Boswell Professor of Neuroscience  
Director, T&C Chen Brain-Machine Interface Center  
T&C Chen Brain-Machine Interface Center Leadership Chair  
California Institute of technology



### **Valentin Dragoi, PhD**

Scientific Director, Methodist/Rice Center for Neural  
Systems Restoration  
Rosemary and Daniel J. Harrison III Presidential Dist.  
Chair in Neuroprosthetics, Houston Methodist  
Professor of Neuroscience, Brain and Mind Research  
Institute, Weill Cornell Medical College  
Professor of Physiology and Biophysics,  
Weill Cornell Medical College  
Professor, Rice University, Neuroengineering Initiative



### **E. J. Chichilnisky, PhD**

John R. Adler Professor of Neurosurgery  
Professor, Ophthalmology  
Professor, Electrical Engineering  
Stanford University



**Nicholas Schiff, MD**

Jerold B. Katz Professor of Neurology and Neuroscience  
Weill Cornell Medicine



**Sameer Anil Sheth, MD, PhD**

Professor of Neurosurgery  
Baylor College of Medicine



**Phil Horner, PhD**

Professor, Neuroregeneration  
Scientific Director, Center for Neuroregeneration  
Houston Methodist  
Weill Cornell Medical College



**Florian S. Solzbacher, PhD**

Professor, Electrical and Computer Engineering  
Adjunct Professor, Biomedical Engineering  
Director, Center for Engineering Innovation,  
College of Engineering  
University of Utah



**Dimitry Sayenko, MD, PhD**

Associate Professor, Neurosurgery  
Houston Methodist  
Weill Cornell Medical College



**Pedro Irazoqui, PhD**

Program Manager,  
Defense Advanced Research Projects Agency  
Professor, Electrical and Computer Engineering and  
Biomedical Engineering  
Johns Hopkins University



**Jacob T. Robinson, PhD**

Professor, Electrical and Computer Engineering  
Professor, Bioengineering  
Rice University



**Brooks A. Gross, PhD**

Program Director,  
Translational Neural Devices/BRAIN Initiative  
Co-Lead, SPARC HORNET Initiative  
Division of Translational Research  
National Institute of Neurological Disorders and Stroke  
National Institutes of Health



**Chong Xie, PhD**

Associate Professor, Electrical and Computer Engineering  
and Neuroengineering  
Rice University