

Unless otherwise noted, proceedings will take place in the Auditorium.

8:30 AM *Welcome and Introduction*

Session Chair: Michael Beauchamp, Baylor College of Medicine

Keynote I

8:40 AM *A Neural Model of Gravity and its Role in Spatial Orientation*
Dora Angelaki, Baylor College of Medicine

9:40 AM *Stimulation of Visual Cortex and Visual Cortical Prosthetics*
Bill Bosking, Baylor College of Medicine

10:05 AM *Toward a Fully Bidirectional and Autonomous Brain Machine Interface*
J.T. Francis, University of Houston

10:30 AM *Poster Judging*

Session Chair: Badri Roysam, University of Houston

Short Talks Session I

11:15 AM *Neural Mechanisms Underlying Dexterous Manipulation*
Pranav J. Parikh, University of Houston

11:40 AM *Closing the Loop: Interaction with Neural Circuits during Behavior*
Caleb Kemere, Rice University

12:05 PM *Modeling Stroke in the Laboratory*
Louise D. McCullough, UTHealth

12:30 PM *Lunch (Event Space)*

Session Chair: Ankit Patel, Baylor College of Medicine

Short Talks, Session II

1:30 PM *Bayesian Models for the Analysis of fMRI Data*
Marina Vannucci, Rice University

1:55 PM *Hacking Proteins for Imaging Rapid Neural Electrical Activity*
Francois St-Pierre, Baylor College of Medicine

2:20 PM *Language Networks: Insights from Intracranial Recordings*
Nitinandon, UTHealth

2:45 PM *Poster Viewing & Networking*

Session Chair: Valentine Dragoi, UTHealth

Trainee Talks

3:30PM *Magnetolectric Neural Modulation*
Amanda Wickens, Rice University

3:45 PM *Higher-order Coordination of Visual Cortical Activity Enhances Perceptual Accuracy*



6th Annual NeuroEngineering Symposium

Wednesday, October 5, 2016

BioScience Research Collaborative (BRC)

Neda Shahidi, University of Texas Health Science Center

4:00 PM ***Preference for Visual Mouth Movements Predicts Auditory Response in Human Superior Temporal Sulcus***

Lin Zhu, Baylor College of Medicine

Session Chair: Jacob Robinson, Rice University

4:15 PM **Keynote Address II**
Reading and Writing the Neural Code: Challenges in Neuroengineering

Garrett Stanley, Georgia Tech

5:15 PM *Closing Remarks and Awards*

5:30 PM *Reception (Event Space)*
