



# Innovations in Interdisciplinary Neuroscience

**Friday, October 27      BioScience Research Collaborative**

## Co-Organizers:

**Chair:      Ted Wensel, PhD, Baylor College of Medicine**

**Co-Chairs: Carmen Dessauer, PhD, UT Health Science Center  
Caleb Kemere, PhD, Rice University**

## AGENDA

- 8:15 - 9:00      Registration and Light Breakfast
- 9:00 - 9:10      Welcome and Introduction – Ted Wensel, Carmen Dessauer, Caleb Kemere
- 9:10 - 10:05      **Dan Yamins, PhD**, Assistant Professor of Psychology and Computer Science, Stanford University  
*Using Artificial-Intelligence-Driven Deep Neural Networks to Uncover Principles of Brain Representation and Organization*
- 10:05 - 11:00      **Benjamin Arenkiel, PhD**, Associate Professor, Molecular & Human Genetics, and Neuroscience, Baylor College of Medicine  
*Genetic Approaches to Investigate the Formation of Brain Circuit*
- 11:00 - 12:10      Poster Session and Networking
- 12:10 - 12:50      Lunch and Poster Viewing
- 12:50 - 1:45      **Andreas Tolias, PhD**, Associate Professor, Neuroscience, Baylor College of Medicine  
*The Fabric of the Neocortex*
- 1:45 - 2:05      **Daniel Gonzales**, Predoctoral Student, Applied Physics/Electrical Engineering, Rice University  
*Whole-Brain Imaging of Spontaneous Behavioral State Transitions*
- 2:05 - 2:25      **Madeline Farley, PhD**, Postdoctoral Fellow, Neurosurgery, Baylor College of Medicine  
*Regulated Induction of the Neuronal Injury Response to Promote CNS Axon Regeneration*
- 2:25 - 2:45      **Doug Litwin**, Predoctoral Student, Biochemistry & Molecular Biology, UT Health Science Center at Houston  
*Single Molecule FRET Studies into the Effects of Sodium on Kainate Receptor Dynamics*
- 2:45 - 3:55      Poster Session and Networking
- 3:55 - 4:50      **Eve Marder, PhD**, Professor, Neuroscience, Brandeis University  
*Robustness, Variability, Modulation and Homeostasis in Neurons and Networks*
- 4:50 - 5:05      Awards and Closing - Ted Wensel, Carmen Dessauer, Caleb Kemere
- 5:05 - 6:00      Reception



A collaboration of: Baylor College of Medicine, Rice University, University of Houston, University of Texas Health Science Center at Houston, University of Texas Medical Branch at Galveston, MD Anderson Cancer Center, Institute of Biosciences and Technology of Texas A&M Health Science Center