Kavli Workshop

Current Perspectives on the Generation and Analysis of Complex Data in Neuroscience

Wednesday, January 8, 2020

1:00 pm to 5:00 pm

Hope 216

Time	*Speaker*
1:00 pm	**Opening Remarks, Michael Crair, PhD** Deputy Dean for Scientific Affairs, Professor, Department of Neuroscience – Yale
1:05-1:30 pm	**Michael Higley, MD, PhD** Associate Professor, Department of Neuroscience – Yale *"Multi-Scale Imaging of Neuronal Activity in the Rodent Brain"*
1:30-2:00 pm	**Nick Turk-Browne, PhD** Professor, Department of Psychology – Yale *"Finding the Mind in Human Brain Imaging Data"*
2:00-2:30 pm	**James Noonan, PhD** Associate Professor, Department of Genetics – Yale *"Deciphering Human Neurodevelopmental Phenotypes at Single Cell Resolution"*
2:30-2:45 pm	**Coffee Break**
2:45-3:15 pm	**Raphy Coifman, PhD** Phillips Professor of Mathematics – Yale *"Mathematical geometric models for data driven dynamic brain parcellation"*
3:15-3:45 pm	**Roy Lederman, PhD** Assistant Professor, Department of Statistics – Yale *"Common variable learning"*
3:45-4:15 pm	**Smita Krishnaswamy, PhD** Assistant Professor, Department of Genetics – Yale *"Detecting Structure and Patterns in Big Biomedical Data"*
4:15-5:00 pm Keynote	**Carsen Stringer, PhD** Janelia Research Campus *"High-Dimensional Structure of Signal and Noise in 20,000 Neuron Recordings"*

Sponsored by the Kavli Institute for Neuroscience at Yale

Organizer: Michael Higley, MD, PhD, Department of Neuroscience