Imaging Symposium @ University of Utah

Thursday, May 17, 2018 SMBB Auditorium

Keynote Speaker

Raphael Yuste, MD, PhD, Columbia University
"Can you see a thought? Neuronal ensembles as modular units of cortical function"

Invited Speakers

Denise Cai, PhD, Mt Sinai
"Circuit dynamics of memory-linking"

Luke Lavis, PhD, Janelia
"Designing brighter dyes for advanced fluorescence microscopy in cells and beyond"

Elizabeth Hillman, PhD, Columbia University
"SCAPE microscopy for high-speed volumetric imaging of neural activity"

Lin Tian, PhD, UC Davis
"Genetically encoded indicators for high-resolution imaging of dopamine dynamics in the mammalian brain"

 Hosted by Jason Shepherd: jason.shepherd@neuro.utah.edu
Program: NSF Neural Imaging Symposium – University of Utah

**Morning session: New tools for cellular imaging**

8:45 am – Coffee, breakfast

9:10 am – Introducing Remarks


10:00 am – **Lin Tian** (UC Davis): "Genetically encoded indicators for high-resolution imaging of dopamine dynamics in the mammalian brain"

10:45 am – Coffee Break

11:00 am – **Elizabeth Hillman** (Columbia): "SCAPE microscopy for high-speed volumetric imaging of neural activity"

11:45 am – Lunch break

**Afternoon session: Using imaging to probe neuronal function in the intact brain**

1:00 pm – Keynote: **Rafael Yuste** (Columbia): "Can you see a thought? Neuronal ensembles as modular units of cortical function"

2:00 pm – **Pat Parker** (student presentation): "Altered glutamate signaling in a genetic model of migraine"

2:20 pm – **Kyle Jenks** (student presentation): "The role of Arc in the experience-dependent development of the visual cortex"

2:30 pm – Coffee break

3:00 pm – **Matt Wachowiak** (Utah): "Optically mapping excitation and inhibition in the mouse olfactory bulb"

3:30 pm – **Sophie Caron** (Utah): "Sensory representation in the Drosophila brain"

4:00 pm – **Denise Cai** (Mt Sinai): "Circuit dynamics of memory- linking"

4:45 pm – Closing remarks