



2nd Annual BRAIN Initiative Investigators Meeting

Breakout Session: Technology Integration

December 10, 2015, 1:30pm-3:15pm

Main Ballroom A-C

Summary:

The BRAIN Initiative is funding a diverse portfolio of interweaving, and in some cases competing, technologies for understanding the brain. Can we predict and plan for what is in store for these technologies over the next few years? How will they best be integrated into turnkey experimental systems to address fundamental questions of neural function? The session will feature presentations and discussion from technology developers and neuroscience experimentalists, to address strategic questions of technology recombination and assimilation into research practice.

Agenda:

1:30-2:05pm Recording and Modulating Neural Activity

Overview: *Karl Deisseroth (Stanford University), Cynthia Chestek (University of Michigan)*

Discussion: *Bernardo Sabatini (Harvard University, moderator), Andreas Tolias (Baylor University), Spencer Smith (University of North Carolina), Elizabeth Hillman (Columbia University)*

2:05-2:40pm Identifying and Accessing Cells and Circuits

Overview: *Edward Boyden (MIT), Ian Wickersham (MIT)*

Discussion: *Nenad Sestan (Yale University, moderator), Mala Murthy (Princeton University), Arnold Kriegstein (UCSF), Carlos Lois (Caltech)*

2:40-3:15pm Imaging and Modulating the Human Brain

Overview: *Holly Lisanby (NIH), Bin He (University of Minnesota)*

Discussion: *Bruce Rosen (Massachusetts General, moderator), Greg Worrell (Mayo Clinic), Nicholas Schiff (Cornell University)*