

The Revolution in Optical Imaging Technology: Instrumentation, Probes, and Applications

Organizers: Yale E. Goldman, MD, PhD and E. Michael Ostap, PhD

January 11, 2016

Arthur H. Rubenstein Auditorium
Smilow Center for Translational Research

Lectures by:

Joerg Bewersdorf, PhD

Yale University

"Live-cell optical microscopy beyond the diffraction limit"

Samie R. Jaffrey, MD PhD

Cornell University

"Imaging RNA and RNA biology using RNA mimics of green fluorescent protein"

Brian Y. Chow, PhD

University of Pennsylvania

"Optogenetic technologies for interfacing biological circuits"

Michael A. Lampson, PhD

University of Pennsylvania

"Optogenetic control of cell biology: modular chemical probes for light-induced protein dimerization"

E. James Petersson, PhD

University of Pennsylvania

"Fluorescent amino acids for studying protein folding in vitro and in living cells"

Andrea Stout, PhD

University of Pennsylvania

"Overview of the CDB Light Microscopy Core"

Keynote Lecture by:



Xiaowei Zhuang, PhD

Howard Hughes Medical Institute
Harvard University

"Illuminating biology at the nanoscale with single-molecule and super-resolution fluorescence microscopy"

Poster session, plus student and post-doc oral presentations selected from abstracts

Deadline for registration and abstract submission: January 6, 2016

Registration and full schedule can be found at www.med.upenn.edu/pmi

