

Research

Illuminating How the Brain Works—With the Help of BU Neurophotonics

November 29, 2017 | 4-6 PM

Introductions:

Gloria Waters

Vice President and Associate Provost for Research

David Boas

Director of Neurophotonics Center and Professor, Biomedical Engineering and Electrical & Computer Engineering, ENG

Research Presentations:

- **Seeing More with Microscopy**
Jerome Mertz, Professor, Biomedical Engineering, ENG
- **In vivo Imaging of the Diseased Nervous System**
Alberto Cruz-Martín, Assistant Professor, Biology, CAS
- **Dissecting Long-Range Cortical Networks During Behavior**
Jerry Chen, Assistant Professor, Biology, CAS
- **Novel Laser Sources for Nerve Stimulation**
Michelle Sander, Assistant Professor, Electrical & Computer Engineering, ENG
- **Neural Circuits for Social Behavior**
Ian Davison, Assistant Professor, Biology, CAS
- **Conversing with the Nervous System: Tools and Findings**
John White, Professor and Chair, Biomedical Engineering, ENG
- **Worms Under Duress: Imaging Small Neuronal Circuits in *C. elegans***
Christopher Gabel, Assistant Professor, Physiology & Biophysics, MED
- **Multi-dimensional Neuroretinal Optical Imaging for Humans and Small Animals**
Ji Yi, Assistant Professor, Medicine, MED
- **Artificially Activating Memories to Prevent the Return of Fear**
Steve Ramirez, Assistant Professor, Psychological & Brain Sciences, CAS
- **Investigating the Neural Basis of Learned Temporal Relationships**
Jeffrey Gavnornik, Assistant Professor, Biology, CAS

- **Birefringence Imaging of Neuronal Activity and Myelin Degeneration**
Irving Bigio, Professor, Biomedical Engineering and Electrical & Computer Engineering, ENG
- **fNIRS at BU**
Meryem Ayşe Yücel, Research Assistant Professor, Biomedical Engineering, ENG
- **Optics and Photonics for BRAIN Science: BRAIN Initiative Funding Priorities**
Edmund "Ned" Tally, Program Director, National Institute of Neurological Disorders and Stroke (NINDS), NIH

Thank you for your participation



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