

Schedule
One Day Symposium on Microscopy at UVa
October 2, 2018
Pinn Hall (Jordan), Room PHCC Auditorium (first floor)

- 8:30 – 9:00 **Registration**
- 9:00 – 9:05 Dr. Jeffrey Corwin, Neuroscience, School of Medicine
Welcome Address
- 9:05 – 9:10 Dr. John Hawley, Associate Dean, School of Arts & Science
Introduction
- 9:10 – 9:25 Dr. Stacey Criswell (Director, Advanced Microscopy Facility)
“Imaging Technology at AMF”
- 9:25 – 9:45 Dr. Ammasi Periasamy (Professor and Director, W.M. Keck Center
for Cellular Imaging, KCCI)
**“Advanced Imaging Technology and Research at the Keck
Center”**
- 9:45 – 10:00 Dr. Cody Narciso, Biomedical Engineering
“High-content imaging of cardiac remodeling”
- 10:00 – 10:15 Dr. Jung-Bum Shin, Neuroscience
“Imaging sensory hair cell damage and repair”
- 10:15 – 10:35 **Coffee Break**
- 10:35 – 10:50 Dr. Jaideep Kapur, Brain Institute
Visualization of seizure spread
- 10:50 – 11:05 Dr. George Bloom, Biology
**“Nutrient-induced Mitochondrial Activity (NiMA): a Novel
Cellular Process Discovered by 2-Photon FLIM Microscopy”**
- 11:05 – 11:20 Dr. Stefanie Redemann, Molecular Physiology and Biophysics
“Large scale 3D reconstructions by electron tomography”
- 11:20 – 12:00 Dr. Chris Xu, Cornell University
Keynote Speaker
**“Imaging deeper and faster: pushing the limits of multiphoton
imaging of the brain”**
- 12:00 – 1:15 **Lunch Break & Poster session**

- 1:15 – 1:55 Dr. Kevin Eliceiri, University of Wisconsin
Keynote Speaker
“Multiscale imaging of the tumor microenvironment”
- 1:55 – 2:10 Dr. Ann Sutherland, Cell Biology
“Live imaging of mouse development”
- 2:10 – 2:25 Dr. Sarah Kucenas, Biology
“Live Zebrafish imaging using Light sheet microscopy”
- 2:25 – 2:40 Dr. Song Hu, Biomedical Engineering
“Multi-parametric Photoacoustic Microscopy”
- 2:40 – 2:55 Dr. Kyle Lampe, Chemical Engineering
“The effect of hydrogel mechanical properties on 3D encapsulated oligodendrocyte progenitor cell viability and morphology”
- 2:55 – 3:10 Bimal Desai, Pharmacology
“Ion channels and Ca²⁺-signaling at the crossroads of inflammation and tissue homeostasis”
- 3:10 – 3:30 Coffee break**
- 3:30 – 3:45 Dr. David Kashatus, Microbiology, Immunology, and Cancer Biology
"Exploring the regulation of mitochondrial dynamics and its role in tumorigenesis"
- 3:45 – 4:00 Dr. Jorge Giron, Pediatrics
“Ultrastructure’s that mediate the interaction of E. coli O157:H7 with human, animal and plant cells”
- 4:00 – 4:15 Dr. Joshua Drake, Cardiovascular Research Center
"Visualization of AMPK activation in skeletal muscle"
- 4:15 **Closing Remarks**

Sponsors:

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