Penn State College of Medicine Imaging Symposium
Wednesday, April 10, 2013
Penn State Hershey University Conference Center

Agenda

8:00 – 8:30 a.m. Registration and Continental Breakfast

8:30 – 8:45 a.m. Welcome and Introductions

8:45 – 9:45 a.m. **"Visualizing the life cycle of Dengue virus with electron microscopy"**

Michael G. Rossmann, Ph.D.
Hanley Distinguished Professor of Biological Sciences
Department of Biological Sciences
Purdue University

9:45 – 10:15 a.m. "Sensing a REAL virus – Trafficking of Poxviral DNA and the Innate Immune Sensor TLR9"

Christopher Norbury, Ph.D.
Professor,
Microbiology and Immunology,
Penn State College of Medicine

10:15 – 10:30 a.m. Break

10:30 – 11:00 a.m. "A picture is worth a thousand blots: Using imaging to study late steps in retroviral replication

Darrin Bann, B.A.
M.D./Ph.D. Candidate,
Penn State College of Medicine

10:00 – 11:30 a.m. "To Be Announced"

Keith Cheng, M.D./Ph.D.
Chief, Division of Experimental Pathology,
Penn State Hershey

11:30 – 12:00 p.m. "Localization of Myosin III in Photoreceptors: Conservation from Drosophila to Humans"

Christopher Yengo, Ph.D.
Associate Professor of Cellular and Molecular Physiology,
Penn State College of Medicine

12:00 – 1:30 p.m. Lunch & Posters

1:30 – 2:30 p.m. **“The biogenesis of HIV-1: lessons from imaging the assembly one virus at a time”**

Sanford M. Simon, Ph.D.
Professor,
Head, Laboratory of Cellular Biophysics
The Rockefeller University, New York

2:30 – 3:00 p.m. "How do multiphoton and harmonic generation microscopy methods enable biologists to understand complex cellular processes"

Thomas Abraham, Ph.D.
Director, Imaging Core,
Penn State College of Medicine

3:00 – 4:00 p.m. **“High resolution cryo-electron microscopy applied to the icosahedral capsids of tailed bacteriophages and herpesviruses”**

James F. Conway, Ph.D.
Associate Professor
Department of Structural Biology
University of Pittsburgh School of Medicine