

2006 Workshop Itinerary

Tuesday – April 18, 2006

7:30-8:30 AM - Breakfast - R2 room 101

Breakfast, Lunch & Dinner Sponsored by Ortho Biotech

8:30-9:15 AM

Welcome - "Applications of Intravital Multi-photon Microscopy"

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

9:15-10:15 AM

"Complementary methods of in vivo Imaging"

Gary Hutchins, PhD - Indiana University, Department of Radiology

10:15–10:30 AM - Break

10:30 AM–6:00 PM - Workshop activities

(Choose one for this session - Each activity will be conducted two more times today, and once tomorrow, giving you the opportunity to participate in a total of 4 activities.)

1. Surgery and anesthesia (TBD)
2. Multiphoton microscopy of living rat – BioRad MRC-1024, inverted Room E243B
3. Multiphoton microscopy of living rat – Zeiss LSM-510 upright Room E243C
4. Multiphoton microscopy of living rat – Olympus Fluoview 1000, inverted Room E471
5. Voxx and Amira volume visualization Room E201
6. Olympus OV-100 Imaging System Room E233C

12:00-1:00 PM - Lunch & Lecture R2 room 101

"The Olympus OV-100 Whole Animal Imaging System"

Kevin Jia, PhD - Olympus Corporation

1:00-2:30 PM - Workshop Activities

2:30-3:30 PM - Roundtable - Introductions and Goals

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

3:30-5:30 PM - Workshop Activities

6:30 PM - Dinner & Evening presentation - R2 room 101

"Acquiring a Multiphoton Microscope System"

Simon Watkins, PhD - Univ. of Pittsburgh, Center for Biologic Imaging

Wednesday – April 19, 2006

7:30-8:30 PM - Breakfast - R2 room 101
Breakfast, Lunch & Dinner Sponsored by Pfizer

8:30-9:30 AM
"Advanced Multi-photon Microscopy"
Kenneth Dunn, PhD - Indiana Center for Biological Microscopy

9:30-10:30 AM
"Alternative Methods of Intravital Microscopy"
Simon Watkins, PhD - Univ. of Pittsburgh, Center for Biologic Imaging

10:30-11:00 AM - Break

11:00 AM–12:30 PM - Workshop Activities (Choose one for this session)

1. Surgery and anesthesia (TBD)
2. Multiphoton microscopy of living rat – BioRad MRC-1024, inverted Room E243B
3. Multiphoton microscopy of living rat – Zeiss LSM-510 upright Room E243C
4. Multiphoton microscopy of living rat – Olympus Fluoview 1000, inverted Room E471
5. Voxx and Amira volume visualization Room E201
6. Olympus OV-100 Imaging System Room E233C

12:30-1:30 PM - Lunch & Lecture R2 room 101
"In Vivo and In Vitro Microscopy of the Glomerulus"
Janos Peti-Peterdi, MD, PhD - University of Southern California, Dept. of Medicine, Physiology & Biophysics

1:30 PM–6:00 PM
Participant microscope studies (Microscopy experiments by arrangement) TBD
Dinner - R2 room 101

Thursday – April 20, 2006

7:30-8:30 PM - Breakfast - R2 room 101
Breakfast, Lunch & Dinner Sponsored by Nabi

8:30-9:30 AM
"Fluorescent Indicators for Intravital Microscopy"
Sam Wells, PhD - Vanderbilt Medical Center, Cell Imaging Shared Resource

9:30-10:30 AM
"Animal Preparation and Probe Delivery"
Mark Wagner, PhD - Indiana Center for Biological Microscopy

10:30 AM-12:30 PM

Participant microscope studies (Microscopy experiments by arrangement)

12:30-1:30 PM - Lunch & Lecture R2 room 101

"Genetic Dissection of Renal Diseases "

Richard Roman, PhD - Medical College of Wisconsin, Kidney Disease Center

1:30-6:00 PM

Participant microscope studies (Microscopy experiments by arrangement) TBD

Dinner & Evening presentation

"Imaging Studies of the Bladder"

Gerry Apodaca, PhD - University of Pittsburgh, Dept. of Medicine, Renal Division

Friday – April 21, 2006

7:30-8:30 AM - Breakfast - Daly Student Center room 186

Breakfast, Lunch & Dinner Sponsored by Genzyme

8:00 AM

"Molecular Approaches to Fluorescent Reporters"

Michael Rubart-Von Der Lohe - Indiana University School of Medicine, Department of Pediatrics

9:00 AM

"Quantitative Methods of Microscopy – Ratio Microscopy"

Weiming Yu, PhD - Indiana Center for Biological Microscopy

10:30 AM–12:30 PM

Participant microscope studies (Microscopy experiments by arrangement)

12:30-1:30 PM - Lunch R2 room 101

1:30-6:00 PM

Participant microscope studies (Microscopy experiments by arrangement)

6:30 PM

Evening Banquet - Iaria's Italian Restaurant

Saturday – April 22, 2006

7:30-8:30 PM - Breakfast - R2 room 101

8:30-9:30 AM

"Maximizing a Multi-photon Microscope System"

Exing Wang, PhD - Indiana Center for Biological Microscopy

9:30 AM
Round Table Discussion & Wrap Up

10:30 AM
Participant microscope studies