

2011 Workshop Itinerary

TUESDAY April 26th, 2011

MORNING

R3-Room 303

7:30-8:30 AM - Breakfast

8:30-8:40 AM

Welcome and Introduction

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

8:40-9:30 AM

Overview: Advancing Nephrology through Intravital Imaging: Achievements and Challenges
Bruce Molitoris, MD - Indiana Center for Biological Microscopy

9:30-10:30 AM

Intravital Multiphoton Microscopy - Principles and Challenges
Kenneth Dunn, PhD - Indiana Center for Biological Microscopy

10:30-11:00 AM - Break

11:00-11:50 AM

Practical Intravital Imaging
Ruben Sandoval - Indiana Center for Biological Microscopy
Plenary Lecture (R2-101)

12:00-1:00 PM

Customized Tweaks for In Vivo Multiphoton Imaging
Warren Zipfel, PhD – Cornell University

12:00-1:00 PM - Lunch (R2-101)

AFTERNOON

Concurrent Workshop Activities – SEE BACK PAGE

1:30-3:15 PM - Session 1

3:15-3:45 PM - Break

3:45-5:30 PM - Session 2

EVENING

R2-Room 101

6:00-7:00 PM

Roundtable: Introductions and Goals

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

7:00-8:00 PM - Dinner (R2-101)

8:00-10:00 PM - Individual projects by arrangement

WEDNESDAY April 27th, 2011

MORNING

R2-Room 101

7:30-8:30 AM - Breakfast

8:30-9:30 AM

Glomerular Dynamics

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

9:30-10:15 AM

3D Visualization and Analysis

Jeff Clendenon - Indiana Center for Biological Microscopy

10:15-10:30 AM - Break

10:30-11:15 AM

Visualizing intestinal immune Homeostasis: T cells Patrol independent of a Mucosal Dendritic Cell Network

Peter Velazquez, PhD - Indiana University School of Medicine

11:15-12:00 PM

Super-Resolution Fluorescence Microscopy: Practical Approaches using 3D-SIM

Claire Walczak, PhD - Indiana University Bloomington

12:00-1:00 PM - Lunch (R2-101)

AFTERNOON

Concurrent Workshop Activities – SEE BACK PAGE

1:30-3:15 PM - Session 1

3:15-3:45 PM - Break

3:45-5:30 PM - Session 2

EVENING

R2-Room 101

6:00-7:00 PM - Plenary Lecture

Intravital Microscopy: A Powerful Tool to Study Membrane Trafficking in Physiological Conditions and During Invasion and Metastasis

Roberto Weigert, PhD - National Institutes of Health

7:00-8:00 PM - Dinner (R2-101)

8:00-10:00 PM

Individual projects by arrangement

THURSDAY April 28TH, 2011

MORNING

R3-Room 303

7:30-8:30 AM

Breakfast

8:30-9:15 AM

Molecular Approaches to Fluorescent Reporters in Vivo

Vladislav Verkhusha, PhD – Albert Einstein College of Medicine

9:15-10:00 AM

Visualizing Protein interactions in Living Cells with FRET Imaging Using the Fluorescent Proteins

Richard Day, PhD - Indiana University School of Medicine

10:00-10:30 AM

Break

10:30-11:15 AM

Microscopy of Renal Development in Zebrafish

Alexsandr Vasilyev, MD PhD – Massachusetts General Hospital

11:15-12:00 AM

Building Your Own 2-Photon Microscope: Challenges, Advantages and Limitations

Roberto Weigert, PhD – National Institutes of Health

12:00-12:30 AM
Lunch (R3-303)

AFTERNOON

Participant Microscope Studies

1:30-3:15 PM
Individual projects by arrangement

3:15-3:45 PM - Break

3:45-5:30 PM
Individual projects by arrangement

EVENING

6:30-9:00 PM - Dinner
Rock Bottom
10 West Washington Street

FRIDAY April 29th, 2011
MORNING
R3-Room 303

7:30-8:30 AM - Breakfast

8:30-9:15 AM
Applications of Intravital Imaging in Transplant Research
Fadi Lakkis, MD - University of Pittsburgh

9:15-10:00 AM
Genetic basis of models of hypertension and diabetic nephropathy
Richard J. Roman, PhD - University of Mississippi

10:00-11:00 AM - Discussion Session

11:00-12:00 AM - Lunch (R3-303)

AFTERNOON

Participant Microscope Studies

1:30-3:15 PM

Individual projects by arrangement

3:15-3:45 PM

Break

3:45-5:30 PM

Individual projects by arrangements