

2009 Workshop Itinerary

TUESDAY MARCH 24th, 2009

MORNING R2-Room 101

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 and Challenges

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

9:30-10:30 AM Advanced 2-Photon Microscopy

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

BOX LUNCH

Plenary Lecture

12:00-1:00 PM Intravital Imaging of the Bone Marrow Dynamics and Microenvironment

Charles Lin, PhD - Center for Systems Biology, Massachusetts General Hospital

AFTERNOON Concurrent Workshop Activities – See back page

1:30-3:30 PM Session 1

3:30-5:30 PM Session 2

EVENING

6:00-7:00 PM Introductions and Goals

Bruce Molitoris, MD - Indiana Center for Biological Microscopy

WEDNESDAY MARCH 25th, 2009

MORNING R2-Room 101

7:30-8:30 AM Breakfast

8:30-9:30 AM In Vivo and In Vitro Microscopy of the Glomerulus

Janos Peti Peterdi, MD, PhD - Keck School of Medicine,

University of Southern California

9:30-10:15 AM Applications of Intravital Imaging in Transplant Research

Fadi Lakkis, MD - University of Pittsburgh

10:15-10:30 AM Break

10:30-11:15 AM Intravital Imaging of the Liver

John J. Lemasters, MD, PhD - Medical University of South Carolina

11:15-12:00 PM CARS Microscopy

JiXin Chen, PhD - Purdue University

LUNCH

AFTERNOON Concurrent Workshop Activities – See back page

1:30-3:30 PM Session 1

3:30-5:30 PM Session 2

EVENING

Plenary Lecture

6:00-7:00 PM Analyzing Membrane Traffic in Vivo

Roberto Wiegert, PhD - National Institutes of Health

DINNER

THURSDAY March 26th, 2009

MORNING R2-Room 101

7:30-8:30 AM Breakfast

8:30-9:15 AM Fluorescent Probes for Every Application

Michael Janes - Invitrogen

9:15-10:00 AM Molecular Approaches to Fluorescent Reporters

Michael Rubart, MD - Riley Heart Research Center

10:00-10:15 AM Break

10:15-11:00 AM Practical Considerations for FRET and Applications

Richard Day, PhD - Indiana University

11:00-11:45 AM Microscopy of Renal Development

Sherry Clendenon, PhD - Indiana Center for Biological Microscopy

11:45-12:30 PM 3D Imaging Allows New Insight into Renal Development

Heather Ward, PhD - University of New Mexico

LUNCH

AFTERNOON Participant Microscope Studies

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

3:30-5:30 PM

EVENING Dinner at Rock Bottom

FRIDAY MARCH 27th, 2009

MORNING R2-Room 101

7:30-8:30 AM Breakfast

8:30-9:15 AM 3D Visualization and Quantitative Analysis

Jeff Clendenon - Indiana Center for Biological Microscopy

9:15-10:00 AM Complementary Methods of in vivo imaging

Gary Hutchins, PhD - Indiana Institute for Biomedical Imaging Sciences

10:00-10:30 AM Break

10:30-11:15 AM Whole Animal Imaging of Fluorescent and Luminescent Reporters

Vivek Shinde Patil, PhD - Caliper Life Sciences, Inc.

11:15-12:00 PM Alternative Methods of Intravital Fluorescence Microscopy

Sam Wells, PhD - Vanderbilt University School of Medicine

LUNCH

AFTERNOON Participant Microscope Studies

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

3:30-5:30 PM