

**GEORGE M O'BRIEN CENTER
FOR ADVANCED RENAL MICROSCOPY AND ANALYSIS
2015 COURSE SCHEDULE – April 27 – May 1, 2015**

MONDAY, April 27, 2015

7:30 am - 8:30 am	BREAKFAST – R2 Lobby	R2 Lobby
8:30 am -9:20 am	Overview: Advancing Nephrology through Intravital Imaging: Achievements and Challenges Bruce Molitoris – Indiana Center for Biological Microscopy	R2 101
9:20 am -10:10 am	Intravital Multiphoton Microscopy – Principles and Challenges Ken Dunn – Indiana Center for Biological Microscopy	R2 101
10:10 am - 10:20 am	BREAK (10 minutes)	R2 Lobby
10:20 am - 11:10 am	Practical Intravital Imaging Ruben Sandoval - Indiana Center for Biological Microscopy	R2 101
11:10 am - 12:00 pm	Origin and Function of Host-Derived DC in Vascularized Organ Transplants Martin Oberbarnscheidt – University of Pittsburgh	R2 101
12:00 PM	LUNCH	R2 Lobby
12:30 pm - 1:00 pm	Bruce Molitoris	
	Introduction to Workshops	R2 101
1:00 pm - 5:00pm	CONCURRENT WORKSHOP ACTIVITIES	R2 202
1:00 pm – 2:45 pm	Session 1	
2:45 pm - 3:15 pm	BREAK (30 minutes)	

3:15 pm - 5:00 pm	Session 2	
5:00pm - 6:00 pm	ROUND TABLE Roundtable Bruce Molitoris – Indiana Center for Biological Microscopy	R2 101
6:00 pm - 7:00 pm	DINNER	R2 Lobby
7:00 pm - 10:00 pm	Individual projects by arrangement	R2 202
TUESDAY, April 28, 2015		
7:30 am - 8:30 am	BREAKFAST	R2 Lobby
8:30 am - 9:20 am	Live Imaging Nephron Morphogenesis, Cell Signaling, and Regeneration in The Zebrafish Kidney Iain Drummond – Harvard Medical School	R2 101
9:20 am - 10:10 am	Empowering the Laboratory Rat through Advances in Genome Engineering Aron Geurts – Medical College of Wisconsin	R2 101
10:10 am - 10:20 am	BREAK (10 minutes)	R2 Lobby
10:20 am - 11:10 am	Fluorescent Proteins Richard Day – Indiana University	R2 101
11:10 am - 12:00 pm	Using Fluorescent Probes to Study AKI Pierre Dagher – Indiana University	R2 101
12:00 -1 PM	LUNCH	R2 Lobby
1:00 pm - 5:00pm	CONCURRENT WORKSHOP ACTIVITIES	R2 202
1:00 pm – 2:45pm	Session 1	
2:45 pm - 3:15 pm	BREAK (30 minutes)	

3:15 pm - 5:00 pm	Session 2	
5:00pm - 6:00 pm	PLENARY LECTURE	R2 101
	Membrane Remodeling during Membrane Trafficking in Live Animals	
	Roberto Weigert - NIH-NIDCR	
6:00 pm - 7:00 pm	DINNER	R2 Lobby
7:00 pm - 10:00 pm	Individual projects by arrangement	R2 202
WEDNESDAY, April 29, 2015		
7:30 am - 8:30 am	BREAKFAST	R2 Lobby
8:30 am - 9:20 am	Expressing of Fluorescent Proteins and Other Exogenous Genes in the Rodent Kidney	R2 101
	Simon Atkinson – Indiana University	
9:20 am - 10:10 am	Optical Coherence Tomography of the Kidney	R2 101
	Yu Chen – University of Maryland	
10:10 am - 10:20 am	BREAK (30 minutes)	R2 Lobby
10:20 am - 11:10 am	3D Visualization and Analysis	R2 101
	Jeffrey Clendenon - Aeon Imaging	
11:10 am - 12:00 pm	Adeno-Associated Viral (AAV) Vectors as a Tool For <i>in vivo</i> Gene Delivery	R2 101
	Xiao Xiao – University of North Carolina at Chapel Hill	
12:00 -1PM	Lunch	R2 Lobby
12:10 -1:00pm (lecture during lunch)	Forster Resonance Energy Transfer Microscopy	R2 101
	Richard Day – Indiana University	

1:00 pm - 5:00pm	CONCURRENT WORKSHOP ACTIVITIES	R2 202
1:00 pm – 2:45pm	Session 1	
2:45 pm - 3:15 pm	BREAK (15 minutes)	
3:15 pm - 5:00 pm	Session 2	
5:00pm - 6:00 pm	Round Table	R2 101
6:00pm - 7:00 pm	DINNER	R2 Lobby

THURSDAY, April 30, 2015

7:30 am - 8:30 am	BREAKFAST	R2 Lobby
8:30 am - 9:20 am	Using Fluorescent Probes to Study Tubule Metabolism Tim Sutton – Indiana University	R2 101
9:20 am - 10:10 am	Building Your Own 2-Photon Microscope: Challenges, Advantages and Limitations Roberto Weigert - NIH-NIDCR	R2 101
11:10 am -12:00 pm	Label-free Optical Micro Imaging Towards Visualization of Tissue Histology <i>in vivo</i> Xingde Li – Johns Hopkins University	R2 101
12:00 -1PM	LUNCH	R2 Lobby
1:00 pm - 5:00pm	CONCURRENT WORKSHOP ACTIVITIES	R2 202
1:00 pm – 2:45 pm	Session 1	
2:45 pm - 3:15 pm	BREAK (30 minutes)	
3:15 pm - 5:00 pm	Session 2	
6:00 pm - 9:00 pm	DINNER	

FRIDAY, MAY 1, 2015

Open to individual studies on the microscopes

