SPECIAL SEMINAR SERIES

Inaugural

Core Competencies in Kidney Research

May 3, 2012
"Kidney Structure-Function Analysis: Experimental Approaches using Microscopy"
Lisa M. Curtis, PhD, Assistant Professor
UAB Division of Nephrology

May 10, 2012
"Human acute kidney injury: a basic science perspective"
Paul W. Sanders, MD, Professor of Medicine
UAB Division of Nephrology

May 17, 2012
"Rodent models of human kidney disease"
Michal Mrug, MD, Assistant Professor of Medicine
UAB Division of Nephrology

June 7, 2012
"Human chronic kidney injury: a basic science perspective"
Paul W. Sanders, MD, Professor of Medicine
UAB Division of Nephrology

June 21, 2012
"Inflammation & the vasculature in kidney disease"
Jim George, PhD, Professor of Medicine
UAB Division of Cardiothoracic Surgery

June 28, 2012
"Assessment of experimental glomerular disease"
Sumant Singh Chugh, MD, Professor of Medicine
UAB Division of Nephrology

July 19, 2012
"Diabetes in the Kidney"
Caroline Marshall, MD, Assist Professor of Medicine
UAB Division of Nephrology

July 26, 2012
"Live whole animal imaging"
Kurt R. Zinn, D.V.M., Ph.D., Professor
UAB Departments of Radiology, Medicine and Pathology
Director, Division of Advanced Medical Imaging Research

August 2, 2012
"Oxidative Stress in the Kidney"
Anupam Agarwal, M.D., Professor of Medicine
UAB Division of Nephrology
and
"Examining mitochondrial function and oxidative stress in disease"
Aimee Landar, Ph.D., Assistant Professor
UAB Department of Molecular & Cellular Pathology

August 16, 2012
"Stem cells in kidney repair"
Lisa M. Curtis, Ph.D., Assistant Professor
UAB Division of Nephrology

Zeigler Research Building, Conference Room 644
3:30-5 pm

Sponsored by:

O'Brien Center UAB UCSD Acute Kidney Injury Research

Nephrology Research & Training Center — Education, Research, Training, Putting the Pieces Together

The overarching goal of this core curriculum is to provide a basic understanding of the study of renal disease in animal models. Fundamental to this process is an understanding of human renal biology, the similarities between kidneys of the human and rodent (or other animal models), and the physiology, cell and molecular biology of individual cell and tissue compartments of the kidney in health and disease. This series of lectures will teach basic renal physiology, discuss current cutting-edge research on various topics, and describe current modalities utilized to study renal disease. Existing understanding of injury and repair in the kidney will be examined as well as complex associations between different disease settings, acute versus chronic.