AGENDA

7:55 am  Opening Remarks  Ravindra Mehta, MD

PLENARY 1  Molecules, Mechanisms and Targets  Co-Chairs: Bruce Molitoris, MD and Anupam Agarwal, MD

8:00-8:20  The Pathogenesis of Acute Kidney Injury (AKI) & the Toxic Triangle of O2, NO & ROS - Can Ince, PhD
8:20-8:40  Mitochondria Dynamics in AKI - Zheng Dong, PhD
8:40-9:00  Sepsis and AKI: What Have We Learned? - Martin Matejovic, MD
9:00-9:20  Cell Cycle Regulation in AKI - Robert Safirstein, MD
9:40-10:00  Mechanisms of Repair After AKI - Ben Humphreys, MD
10:00-10:15  Coffee Break

PLENARY 2  Translational Research: Bedside to Bench and Back  Co-Chairs: Robert Schrier & John Kellum

10:15-10:35  Immune Hyporesponsiveness: Target for Monitoring and Intervention? - Didier Payen, MD
10:35-10:55  Human Endotoxemia: Does it Lead to Tubular Injury? - Peter Pickkers, MD
11:15-11:35  Targeting Nrf2 Regulation of Oxidative Stress to Improve AKI - Hamid Rabb, MD
11:55-12:15  Utilizing Mechanistic Modeling to Facilitate Clinical Drug Development - William Macias, MD
12:15-1:15 pm  Lunch Hosted by Conference for Workshop Participants

PLENARY 3  Concurrent Sessions

A. Pre-Clinical Models for Translational Research in AKI  Co-Chairs: Paul Sanders and Roland Blantz

1:15-1:35  Rodent Models and Imaging  Kurt Zinn, PhD
1:35-1:55  Dissecting Immune Responses in AKI  Mark Okusa, MD
1:55-2:15  Unraveling the Interactions of AKI and CKD  Roland C. Blantz, MD
2:15-2:35  Visualizing the Microcirculation  Bruce Molitoris, MD
2:35-2:55  Using Gene-targeted Mice to Study Renal Physiology In Vivo - Volker Vallon, MD
2:55-3:15  Genetic Labeling Techniques  Ben Humphreys, MD
3:15-3:30  Coffee Break

B. Enhancing Clinical and Translational Research in AKI  Co-Chairs: Claudio Ronco and Robert Safirstein

When Did AKI Start: Baseline vs Reference Creatinine - Etienne Macedo, MD
Clinical Endpoints for AKI: Do We Have a Consensus? - John Kellum, MD
Outcomes Research: The Role of an AKI Registry - Josee Bouchard, MD
Design Issues & Strategies for Biomarker Guided Clinical Trials - Zoltan Endre, MD
Post-Cardiac Arrest Therapeutic Hypothermia and Acute Kidney Injury - Henry Wang, MD
Trial Designs for Preventing AKI Progression to CKD - Lakhmir Chawla, MD

3:30-3:50  Epigenetics and the Interface Between Host and Environment - Andrew D. Shaw, MD FRCA
3:50-4:10  Diagnostic Value of Urine Electrolytes in AKI - Robert Schrier MD
4:10-4:30  Candidate Biomarkers for Sepsis Associated AKI in Children: A Microarray Analysis - Hector Wong, MD
4:30-4:50  Biomarkers in AKI: An Update - Jonathan Barasch, MD PhD
4:50-5:10  Assessing Kidney Function in the Patient with Cardiorenal Syndrome - Claudio Ronco, MD
5:10-5:30  Urinary Exosomes: Emerging Tools for Characterizing AKI - Pam Taub, MD
5:30  Adjourn