Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

Sponsored by UAB/UCSD O’Brien Center for AKI Research

Tuesday, March 7, 2017     Manchester Grand Hyatt     San Diego, California

This symposium immediately precedes the 22nd International CRRT Conference at the same venue and offers an excellent opportunity to learn from and network with international experts in nephrology and critical care. Online registration available at: www.crrtonline.com

Acute Kidney Injury is a rapidly evolving area where several advances have been made in understanding the mechanisms and pathways of AKI and its effects on other organs. Recent identification of biomarkers has provided new tools and techniques to characterize this disorder. This pre-course will provide a comprehensive review of the most recent developments in the field and describe emerging knowledge from basic and translational research applicable to clinical care.

Full Day Symposium     March 7, 2017 - 7:55am-5:30pm

AKI & CRRT 2017 Registrants receive a $30 dollar discount - includes lunch, AM & PM breaks

$270                  $290                $310

AGENDA

7:55 am     Opening Remarks    Ravindra Mehta, MD

PLENARY 1     Molecules, Mechanisms and Targets
Co-Chairs: Anupam Agarwal, MD and Joseph Bonventre, MD

8:00-8:20     Energy Metabolism and Renal Stress Resistance - Samir Parikh
8:20-8:40     Sickle Cell Disease: Renal Manifestations and Mechanisms - Karl Nath
8:40-9:00     Epigenetic Changes in AKI-CKd Transition - Masaomi Nangaku
9:00-9:20     Hypoxia, Energetics and Renal Hemodynamics - Prabhleen Singh
9:20-9:40     Function-blocking ανβ5 and ανβ6 Integrins Minimize Ischemic Kidney Injury - Bruce Molitoris
9:40-10:00    Discussion
10:00-10:15   Coffee Break

PLENARY 2     Of Mice and Men: Harmonizing Human and Animal AKI
Co-Chairs: Bruce Molitoris MD and Paul Sanders, MD

10:15-10:35   Sepsis Induced AKI: A Distinct Molecular Phenotype - John Kellum
10:35-10:55   Pericyte Biology and AKI/CKd Transition - Ben Humphreys
10:55-11:15   Improving Preclinical Study Design in AKI - Mark de Caestecker
11:15-11:35   Human Kidney Organoids and Their Use in Modeling Diseases - Joseph Bonventre
11:55-12:15   Discussion
12:15-1:15 pm   Lunch Hosted by Conference

PLENARY 3     Bench to Bedside: Translating Discoveries to Clinical Care
Co-Chairs: Mitch Rosner MD and Claudio Ronco, MD

1:15-1:35     Nonpharmacological – Biomechanical Approaches to Control Inflammation in AKI - Mark Okusa
1:35-1:55     Immune Cells in AKI and Repair - Hamid Rabb
1:55-2:15     Lymphocyte Function in Human AKI - Marlies Ostermann
2:15-2:35     Endothelial Derived Microparticles in AKI - Vincenzo Cantallupi
2:35-2:55     Vasopressin: A Novel Target for Prevention and Retardation of Kidney Disease - Lise Bankir
2:55-3:15     Discussion
3:15-3:30     Coffee Break

PLENARY 4     Controversies in AKI
Co-Chairs: Paul Palevsky MD and Patrick Murray, MD

3:30-3:50     AKI Adjudication: Do We Need It? - Kathleen Liu
3:50-4:10     Interventions to Prevent Peri-operative AKI - Amit Garg
4:10-4:30     The Economic Consequences of AKI - Glenn Chertow
4:30-4:50     Clinical Trial Endpoints in AKI: Report from the STEP Group - Andrew Shaw
4:50-5:10     Care of the AKI Survivor - Ron Wald
5:10-5:30     Discussion
5:30     Adjourn

Registration: crrtonline.com