

PROGRAM

SUNDAY, MARCH 6

4:00-7:00pm Conference Registration Open

MONDAY, MARCH 7

7:00am-7:00pm Conference Registration Open

PRE-CONFERENCE AKI SYMPOSIUM - PW1 (CME Available)

(See page 3 for elective symposium and workshop fees)

Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

Presented by UAB/UCSD O'Brien Center for AKI Research

CRRT Conference registration is NOT required for this elective symposium. See page 4 for details.

7:55 am **Opening Remarks** - Ravindra Mehta, MD

PLENARY 1 **Molecules, Mechanisms and Targets**

Co-Chairs: Anupam Agarwal and Volker Vallon

- 8:00-8:20 Myeloid response to AKI *Mark Okusa*
8:20-8:40 Histone deacetylases in kidney physiology and AKI *Kelly Hyndman*
8:40-9:00 Intracellular complement activation in AKI and kidney fibrosis *Didier Portilla*
9:00-9:20 Mitochondrial Pathology after AKI: Implications for recovery *Manjeri Venkatachalam*
9:20-9:40 Bioenergetics in AKI *Prabheen Singh*
9:40-10:00 **Discussion:**
10:00-10:15 *Coffee Break*

PLENARY 2 **Of Mice and Men: Harmonizing Human and Animal AKI**

Co-Chairs: Prabheen Singh and Paul Sanders

- 10:15-10:35 Role of bacterial quorum sensing signaling in sepsis-associated AKI *Vincenzo Cantaluppi*
10:35-10:55 AKI and diastolic dysfunction: opportunity for targeted intervention? *Danielle Soranno*
10:55-11:15 Fatty acid oxidation, aerobic glycolysis and epithelial de-differentiation in sepsis-induced AKI
Hernando Gomez
11:15-11:35 New insights into drug toxicity in AKI *Leah Siskind*
11:35-11:55 Extracellular Vesicles in renal disease *Uta Edrbrugger*
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: Kathleen Liu and Peter Pickkers

- 1:15-1:35 Nanoparticle mediated drug delivery for AKI therapeutics *M.N.V Ravi Kumar*
1:35-1:55 What can urine biomarkers tell us about kidney development / maturation? *David Askenazi*
1:55-2:15 Targeting ER reticulum for novel therapeutics in AKI *Y. Maggie Chen*
2:15-2:35 Federated learning in acute kidney injury: experience in COVID 19 *Girish Nadkarni*
2:35-2:55 Targeting the microbiome in AKI: Progress on the horizon? *Hamid Rabb*
2:55-3:15 **Discussion**
3:15-3:30 *Coffee Break*

PLENARY 4 **Controversies in AKI**

Co-Chairs: Marlies Ostermann and Patrick Murray

- 3:30-3:50 Sepsis phenotypes and risk of AKI *John Kellum*
3:50-4:10 Can we predict drug induced nephrotoxicity? *Linda Awdishu*
4:10-4:30 Hidden in plain sight: Chloride as a key cardiorenal connector in heart failure *Amir Kazory*
4:30-4:50 Pregnancy related AKI: Do we know what to do? *Silvi Shah*
4:50-5:10 Serum creatinine changes are not a meaningful metric in RCT's and clinical care *Steve Coca*
5:10-5:30 **Discussion**
5:30 **Adjourn**
5:30-7:00pm **Monday Evening Reception & Poster Review - For All Conference Attendees**