



Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

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

Monday, February 24, 2020 Manchester Grand Hyatt San Diego, California

This symposium immediately precedes the **25th International AKI & 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 February 24, 2020 - 7:55am-5:30pm

On or before
Jan. 7, 2020

Jan. 8 thru
Feb. 4, 2020

Feb. 5 thru
Feb. 24, 2020

AKI&CRRT 2020 Registrants receive a \$30 dollar discount - includes lunch, AM & PM breaks

\$290

\$310

\$330

AGENDA

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

PLENARY 1 Molecules, Mechanisms and Targets

Co-Chairs: Anupam Agarwal, MD and Volker Vallon, MD

8:00-8:20 **GSK3 Signaling in AKI** - Reena Rao

8:20-8:40 **Role of Proximal Tubular Krüppel-like Factor 6 (KLF6) in AKI** - Sian Piret

8:40-9:00 **Iron Homeostasis in Sepsis Induced AKI** - Subhashini Bolisetty

9:00-9:20 **Pertubular Capillary Oxygen Consumption: Studies Using Photoacoustic Microscopy** - Mark Okusa

9:20-9:40 **Harnessing Endogenous T Regulatory Cells in AKI** - Rahul Sharma

9:40-10:00 **Discussion**

10:00-10:15 *Coffee Break*

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

Co-Chairs: Paul Sanders, MD and Prabhleen Singh, MD

10:15-10:35 **Intravital Imaging to Study Tubular Regeneration After AKI** - Ina Maria Schiessl

10:35-10:55 **Cellular and Molecular Pathways of Renal Repair After Acute Kidney Injury** - Sanjeev Kumar

10:55-11:15 **Acute Cardio Renal Syndrome: Mapping the Heart Kidney Interactions** - Michael Hutchens

11:15-11:35 **Angiopietin-TIE2 Receptor Tyrosine Kinase Signaling in Kidney Injury** - Susan Quaggin

11:35-11:55 **Organelle Cross Talk in AKI** - Reiko Inagi

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, MD and Mark Okusa, MD

1:15-1:35 **Stem Cell-derived Extracellular Vesicles in Kidney Repair** - Vincenzo Cantaluppi

1:35-1:55 **TIMP-2 is a Therapeutic Target in Sepsis-associated AKI** - John Kellum

1:55-2:15 **Pen Enkephalin: Is it the New GFR Marker?** - Peter Pickkers

2:15-2:35 **Microbiome in AKI and Kidney Disease** - Hamid Rabb

2:35-2:55 **Fibroblast Growth Factor 23 and Klotho in AKI** - Orson Moe

2:55-3:15 **Discussion**

3:15-3:30 *Coffee Break*

PLENARY 4 Controversies in AKI

Co-Chairs: Azra Bihorac, MD and Steve Alexander, MD

3:30-3:50 **Infection Risk Post AKI: Should We Worry?** - Katja Gist

3:50-4:10 **Subphenotypes of AKI: Do We Have Progress for Personalizing Care?** - Pavan Bhatraju

4:10-4:30 **Does Contrast Induced Nephrotoxicity Exist?** - Glenn Chertow

4:30-4:50 **Is Tubular Health a Risk Factor For AKI?** - Alex Bullen

4:50-5:10 **Long-term Outcomes After AKI: Do We Know What to Look For?** - Eddie Siew

5:10-5:30 **Discussion**

5:30 *Adjourn*

Registration: CRRTONLINE.COM