



Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

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

February 28 & March 1, 2021 A Virtual Event from San Diego, California

This symposium immediately precedes the **26th International AKI & CRRT Conference** in a Virtual Format that will offer 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.

Two Day Symposium - February 28 & March 1, 2021

(this Symposia is included with full AKI & CRRT 2021 registration, see website for details)

Reg Fees	On or before	Jan. 16 thru
	Jan. 15, 2021	March 5, 2021
	\$175	\$195

SUNDAY, FEBRUARY 28

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 **Thermoneutral regulation of AKI** - Lisa Curtis

8:20-8:40 **Integrated RNA Landscape of Renal Preconditioning against Ischemia-Reperfusion Injury** - Ulrich Mueller

8:40-9:00 **FGF23 regulation and AKI** - Eugene Rhee

9:00-9:20 **Inhibition of Endothelial PHD2 Suppresses Post-Ischemic Kidney Inflammation** - Pinelopi Kapitsinou

9:20-9:40 **Efferocytosis and AKI: Novel model system to boost clearance of dying cells** - Sho Morioka

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

10:00-10:15 *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 **Mitochondria Transfer in AKI** - Amandeep Bajwa

10:35-10:55 **Necroptosis in AKI and kidney fibrosis** - Mary Choi

10:55-11:15 **Orail a new therapeutic target for AKI to CKD transition** - David Basile

11:15-11:35 **Purinergic P2Y14 receptor signaling in AKI** - Sylvie Breton

11:35-11:55 **Role of DNA repair in the prevention of maladaptive renal injury responses** - Joe Bonventre

11:55-12:15 **Live Panel Discussion**

12:15pm **Adjourn**

MONDAY, MARCH 1

PLENARY 3 Bench to Bedside: Translating Discoveries to Clinical Care

Co-Chairs: Stuart Goldstein, MD and Mark Okusa, MD

8:00-8:20am **The role of understudied G-protein coupled receptors in the kidney** - Jennifer Pluznick

8:20-8:40 **Detection of AKI in Neonates after cardiopulmonary bypass** - Tenille Webb

8:40-9:00 **Crosstalk between the nervous system and the kidney** - Shinji Tanaka

9:00-9:20 **Soluble Urokinase Receptor and Acute Kidney Injury** - Jochen Reiser

9:20-9:40 **Metabolism as Disease Tolerance: Implications for Sepsis-associated AKI** - Sarah Huen

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

10:00-10:15 *Break*

PLENARY 4 Controversies in AKI

Co-Chairs: Anitha Vijayan and Kianoush Kashani

10:15-10:35 **Nomenclature for kidney function and disease** - Andrew Levey

10:35-10:55 **COVID-19 AKI new disease or different presentation?** - John Kellum

10:55-11:15 **Can clinical decision support help reduce contrast induced AKI?** - Neesh Pannu

11:15-11:35 **Biomarker based management of AKI: fact or fantasy?** - Marlies Ostermann

11:35-11:55 **Fluid management in AKI: restriction or liberal?** - John Prowle

11:55-12:15 **Live Panel Discussion**

12:15pm **Adjourn**

Registration: CRRTONLINE.COM