

## Planning Committee

John A. Kellum, MD	Center for Critical Care Nephrology, Dept of Critical Care Medicine
Thomas R. Kleyman, MD	Pittsburgh Center for Kidney Research – O'Brien Center Renal-Electrolyte Division, Department of Medicine
Fadi G. Lakkis, MD	Thomas E. Starzl Transplantation Institute, Department of Surgery
Carlton Bates, MD	Children's Hospital of Pittsburgh, Division of Nephrology

Purpose: To continue to foster across campus research collaboration on acute kidney injury and further AKI awareness, education and advocacy.

9:00-9:05am **Welcome** Drs. Bates, Kellum, Kleyman and Lakkis

## Session I Scientific Presentations

9:05-9:20	Renal Metabolic Reprogramming and Microvascular Dysfunction Frame the Development of Sepsis-induced AKI	Hernando Gómez
9:20-9:35	Is There an Association Between Net Ultrafiltration Rate and Outcomes in Critically Ill Patients with Acute Kidney Injury?	Raghavan Murugan
9:35-9:50	Extracellular Heme: An Emerging Threat to the Kidneys in Sickle Cell Disease	Samit Ghosh
9:50-10:05	Use of Super-resolution Ultrasound to Examine Microvascular Rarefaction in Real Time	Roderick Tan
10:05-10:20	Generation of a Human Kidney Organoid Model of Acute Kidney Injury	Neil Hukriede
10:20-10:35	Discussion/Moderator (Questions via Zoom Q&A feature)	Tom Kleyman

## Session 2 Abstract Presentations (6min talk/4min Questions via Zoom Q&A feature)

10:35-10:40	Introduction	Fadi Lakkis
10:40-10:50	Association Between Exposure to Metformin During Hospitalization and Mortality in Septic Adult Patients with Type 2 Diabetes Melitus	Gaspar Del Rio
10:50-11:00	Loss of the Molecular Chaperone GRP170 in the Mouse Nephron Results in AKI and Activates the Unfolded Protein Response (UPR)	Aiden Porter
11:00-11:10	Microcirculatory Dysfunction in Sepsis-Associated Acute Kidney Injury is not Synonym of Decreased Oxygen Delivery	Carlos Manrique
11:10-11:20	Classification of Sepsis-Associated Acute Kidney Injury using Markers of Function and Stress	Luca Molinari
11:20-11:30	HIF-1 Activity During Recovery After Mild to Severe Ischemia	Corry Bondi

11:30am-12:00pm **Abstract Voting/Lunch Break**

### Session 3

#### Keynote Speakers

	Introduction of Dr. Kathleen Liu from UCSF	John Kellum
12:00-12:30	Fluid Overload and AKI	Kathleen Liu
12:30-12:40	Questions via Zoom Q&A feature	John Kellum
	Introduction of Dr. David Askenazi from UAB	Carl Bates
12:40–1:10	Improving Outcomes in AKI: What Do Neonatal Studies Teach Us?	David Askenazi
1:10-1:20	Questions via Zoom Q&A feature	Carl Bates

1:20-1:25

#### Announcement of Abstract Awards

### Session 4

#### Scientific Presentations

1:25-1:40	Sirtuin 5 and AKI	Sunder Sims-Lucas
1:40-1:55	Micro RNAs and AKI	Jackie Ho
1:55-2:10	Association of AKI and Development of Sepsis in Pediatric Critically Ill Patients	Cassandra Formeck
2:10-2:25	Kynurenine-derived Electrophiles: Potential Reno-protective Mediators in Sickle Cell Disease	Dario Vitturi
2:25-2:40	Discussion/Moderator (Questions via Zoom Q&A feature)	Carl Bates

### Session 5

#### COVID

2:40-2:50	AKI in COVID-19; Results of ADQI 25	John Kellum
2:50-3:00	Multicenter Study of AKI in Critically Ill Patients with COVID-19	Amar Bansal
3:00-3:10	Case of Collapsing Glomerulopathy and Pathologic Findings in COVID 19 in New York City	Syeda Ahmed
3:10-3:30	Panel Discussion	John Kellum, Amar Bansal, Syeda Ahmed
	Discussion/Moderator (Questions via Zoom Q&A feature)	Paul Palevsky

3:30

#### Adjourn