16th Annual Acute Kidney Injury Symposium

Thursday, November 19, 2026
8:30 am – 3:00 pm
Starzl Biomedical Science Tower Conference Room S120
200 Lothrop Street, Pittsburgh, PA 15261

Symposium Purpose

To continue to foster cross-campus research collaboration on acute kidney injury and further AKI awareness, education, and advocacy.

Faculty Planning Committee

Ragi Murugan, MD	Program for Critical Care Nephrology, CRISMA, Department of Critical Care Medicine
Roderick Tan, MD, PhD	Pittsburgh Center for Kidney Research-O'Brien Center, Renal-Electrolyte Division
Martin Oberbarnscheidt, MD	Thomas E. Starzl Transplantation Institute, Department of Surgery
Jacqueline Ho, MD	UPMC Children's Hospital of Pittsburgh, Division of Nephrology

Keynote Speakers

Jay Koyner, MD
Professor of Medicine
University of Chicago



Matthieu Legrand, MD, PhD
Professor of Critical Care Medicine & Anesthesiology
University of California San Francisco



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Event	
8:30-8:50am	**Registration/Breakfast**
8:50-8:55am	**Welcome** Drs. Murugan, Tan, Oberbarnscheidt, and Ho
Session I	**Basic Science Session**
8:55 – 9:00am	Introduction by Jacqueline Ho, MD
9:00 – 9:15am	*Sex-divergent miR-17~92 regulation of the tubular AKI response* **Speaker: Michael Butterworth, PhD** Associate Professor of Cell Biology
9:15 – 9:30am	*Fish and Organoids: Comparative Insights into AKI* **Speaker: Neil Hukriede, PhD** Professor of Cell Biology Director of Center for Integrative Organ Systems
9:30 – 9:45am	*Targeting HMMR to promote tubular repair and prevent AKI to CKD progression* **Speaker: Rannar Airik, PhD** Assistant Professor of Pediatrics and Developmental Biology
9:45 – 10:00am	*Urine Output Predicts Successful CRRT Discontinuation* **Speaker: Julia McDonald, MD** Fellow, PGY-6, Department of Pediatrics – Division of Nephrology
10:00 – 10:15am	Discussion / Q&A with Moderator: Jacqueline Ho, MD
10:15 – 10:25am	**BREAK**
Session II	**Abstract Presentations**
10:25 – 10:30am	Introduction by Martin Oberbarnscheidt, MD, PhD
10:30 – 10:40am	*Urinary Biomarkers of Subclinical Kidney Disease in Preterm Infants* **Presenter: Megan Gates, MD, MD** Fellow PGY-6, Pediatric Nephrology and Neonatal-Perinatal Medicine UPMC Children's Hospital of Pittsburgh
10:40 – 10:50am	*Repurposing Metformin for Acute Kidney Injury Treatment: A Target Trial Emulation Study Using Real-World Data* **Presenter: Xiaotong Li, MSc** PhD Candidate in PhD in Pharmaceutical Sciences School of Pharmacy

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10:50 – 11:00am	*Kidney Transporter-Informed Physiologically Based Pharmacokinetic Modeling: A Novel Approach to Characterize Metformin Disposition in Critically Ill Patients with Sepsis* **Presenter: Yuqian Zhao, BS, MS** PhD Candidate in PhD in Pharmaceutical Sciences School of Pharmacy
11:00 – 11:15am	Discussion / Q&A with Moderator: Martin Oberbarnscheidt, MD, PhD
11:15 – 11:30am	**Abstract Voting & Group Photo**
11:30 – 11:55am	**Lunch**
Session III	**Keynote Addresses**
11:55 – 12:00pm	Introduction of Jay Koyner, MD by Roderick Tan, MD, PhD
12:00 – 12:30pm	**Keynote Address 1: Using Augmented Intelligence to Identify Patients at Risk for AKI** **Jay Koyner, MD** Professor of Medicine University of Chicago
12:30 – 12:35pm	Introduction of Matthieu Legrand, MD, PhD by Ragi Murugan, MD
12:35 – 1:05pm	**Keynote Address 2: Subphenotyping AKI and the Design of Better Trials** **Matthieu Legrand, MD, PhD** Professor of Anesthesia and Perioperative Care, Division of Critical Care Medicine University of California, San Francisco
1:05 – 1:20pm	Keynote Discussion / Q&A with Moderator: Roderick Tan, MD, PhD
1:20 – 1:35pm	**Break**
Session IV	**Clinical Science Session**
1:35 – 1:40pm	Introduction by Ragi Murugan, MD
1:40 – 1:55pm	*Multicenter Implementation of an Electronic Decision Support System for Drug-Associated AKI (MEnD-AKI)* **Speaker: Sandy Kane-Gill, PharmD, MS, FCCM, FCCP** Associate Dean of Faculty Affairs and Programmatic Innovation Professor of Pharmacy, Therapeutics, and Critical Care Medicine

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1:55 – 2:10pm	*HLA Matching in the Age of Precision Kidney Transplantation* **Speaker: Chethan Puttarajappa, MD, MS** Associate Professor of Medicine
2:10 – 2:25pm	*A Randomized Clinical Trial of the Safety and FeasibiLity of Metformin as a Treatment for sepsis associated AKI (LiMiT AKI)* **Speaker: Hernando Gomez, MD, MPH** Associate Professor of Critical Care Medicine
2:25 – 2:40pm	Discussion / Q&A with Moderator: Ragi Murugan, MD
2:40 – 2:50pm	**Announcement of Abstract Awards / Winner Photos**
2:50 – 3:00pm	**Closing Remarks**



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Program Overview, Learning Objectives, Target Audience

This symposium will promote clinical knowledge related to diagnosis and personalized treatment of acute kidney injury (AKI). It will help to improve the care of critically ill patients who develop or are at risk for AKI. It will also promote communication and collaboration among experts and specialists treating and researching AKI. The understanding of AKI and the effective strategies for developing, implementing, and performing protocols for managing the condition will be enhanced. The symposium is targeted for doctors, fellows, researchers, and professionals in the medical and research fields of critical care medicine, transplantation, nephrology, and the renal-electrolyte division. The symposium also serves as a platform to spread kidney awareness and to educate and share resources with patients and the community.

Faculty & Staff Listing

1. **Rannar Airik, PhD** – Assistant Professor, Pediatrics and Cell Biology, University of Pittsburgh
2. **Michael Butterworth, PhD** – Associate Professor, Cell Biology, University of Pittsburgh
3. **Maria Delesio, ABM, AGS** – Business Admin Manager, Renal-Electrolyte Division, University of Pittsburgh
4. **Megan Gates, MD, MS** – Fellow PGY-6, Pediatric Nephrology and Neonatal-Perinatal Medicine UPMC Children's Hospital of Pittsburgh
5. **Hernando Gomez, MD** – Associate Professor of Critical Care Medicine and Emergency Medicine, University of Pittsburgh School of Medicine
6. **Jacqueline Ho, MD, MSc** – Division Director, Division of Nephrology, UPMC Children's Hospital of Pittsburgh, Associate Professor of Pediatrics, University of Pittsburgh
7. **Neil Hukriede, PhD** – Professor of Cell Biology, Director of Center for Integrative Organ Systems, University of Pittsburgh
8. **Sandy Kane-Gill, Pharm-D, MS, FCCM, FCCP** – Associate Dean of Faculty Affairs and Programmatic Innovation, Professor of Pharmacy, Therapeutics, and Critical Care Medicine, University of Pittsburgh
9. **Jay Koyner, MD** – Professor of Medicine, University of Chicago
10. **Matthieu Legrand, MD, PhD** – Professor of Anesthesia and Perioperative Care, Division of Critical Care Medicine, University of California, San Francisco
11. **Xiaotong Li, MSc** – PhD Candidate in PhD in Pharmaceutical Sciences, University of Pittsburgh School of Pharmacy
12. **Julia McDonald, MD** – Fellow PGY-6 Department of Pediatrics – Division of Nephrology, University of Pittsburgh
13. **Ragi Murugan, MD** – Director, Program for Critical Care Nephrology, CRISMA, Department of Critical Care Medicine, Professor of Critical Care Medicine and Clinical and Translational Science, University of Pittsburgh, ICU Director & Chief of Critical Care Medicine, Magee-Womens Hospital of UPMC
14. **Karen Nieri, BA** – Assistant Director of Scientific Services, Department of Critical Care Medicine, University of Pittsburgh
15. **Martin Oberbarnscheidt, MD, PhD** – Assistant Professor of Surgery, Thomas E. Starzl Transplantation Institute, Department of Surgery, University of Pittsburgh
16. **Chethan Puttarajappa, MD, MS** – Associate Professor of Medicine, University of Pittsburgh
17. **Roderick Tan, MD, PhD** - Associate Professor of Medicine, Renal-Electrolyte Division, Pittsburgh Center for Kidney Research-O'Brien Center, University of Pittsburgh
18. **Yuqian Zhao, BS, MS** – PhD Candidate in PhD in Pharmaceutical Sciences, University of Pittsburgh School of Pharmacy

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CME Accreditation and Credit Designation Statement

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)
The University of Pittsburgh designates this live activity for a maximum of 5.00 AMA PRA Category 1 Credit[s]™. Physicians should claim only the credit commensurate with the extent of their participation in the activity

Other Healthcare Professionals: Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Faculty Disclosure

All individuals in a position to control the content of this education activity including members of the planning committee, speakers, presenters, authors, and/or content reviewers have disclosed all relevant financial relationships with any entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The following relevant financial relationships were disclosed:

1. **Hernando Gomez, MD, MPH**, is a consultant for Trilinear Bioventures and receives grant/research support from bioMérieux and Baxter.
2. **Sandra Kane-Gill, PharmD, MS, FCCM, FCCP**, is a consultant for Perplexity.ai.
3. **Jay Koyner, MD**, is a consultant for Alexion, AstraZeneca, Astute–bioMérieux, BioPorto, Guard Therapeutics, Novartis, SeaStar, Fresenius Medical, and Vantive (Baxter); receives grant/research support from BioPorto, Astute–bioMérieux, and Fresenius; and receives royalties from Wolters Kluwer for *The Handbook of Critical Care Nephrology*.
4. **Matthieu Legrand, MD,** is a consultant for OceaneX and Idorsia; holds stock options in Augura Inc.; and has received speaker fees from Vantive and Estor.
5. **Raghavan Murugan, MD**, has disclosed speakers' bureau relationships with Fresenius Medical Care Inc. and Vantive Inc.; serves as a consultant for Vantive Inc.; and receives grant/research support from Vantive Inc. and Novartis Inc. His relationship with Fresenius Medical Care Inc. has ended.
6. **Chethan Puttarajappa, MD, MS**, is a consultant for Replimune, Inc.

No other members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

Disclosure Statement

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for

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