

Mayo Clinic Regenerative Nephrology & Kidney Transplantation Conference

October 21-22, 2022

Mayo Clinic Florida

Please note that all times are listed in Eastern Standard Time

Friday, October 21, 2022	
7:00am	Continental Breakfast
7:45am	Welcome and Announcements LaTonya Hickson, M.D. and Martin Mai, M.D.
Mayo Clinic Enterprise – Regenerative Medicine	
8:00am	Mayo Clinic Rochester Regenerative Medicine Julie Allickson, Ph.D. (Mayo Clinic Rochester)
8:10am	Mayo Clinic Arizona Regenerative Medicine David Lott, M.D. (Mayo Clinic Arizona)
8:20am	Mayo Clinic Florida Regenerative Medicine TBD
8:30am	Mayo Clinic Regenerative Therapy Suites and the Biomanufacturing Facility - Florida Shane Shapiro, M.D. (Mayo Clinic Florida) & Alissa Burton (Mayo Clinic Florida)
Acute Kidney Disease	
8:50am	Sepsis-Associated Acute Kidney Injury Bairbre McNicholas, M.D., Ph.D. (National University of Ireland – Galway)
9:05am	Cardiac Surgery-Associated Acute Kidney Injury (MSC and MSC-Exosomes) Christof Westenfelder, M.D. (University of Utah)
9:20am	COVID-19-Associated Acute Kidney Injury Blaithin McMahan, M.D., Ph.D. (Medical University of South Carolina)
9:35am	MSC Therapies: From COVID-19 to Kidney Transplantation and Prevention/Reversal of Kidney Diseases Camillo Ricordi, M.D. (University of Miami)
9:50am	Q&A or Panel Discussion
10:05am	Break / Networking / Exhibitor Hall
Emerging Cell-based Strategies in Kidney Disease	
10:25am	Selective Targeting of Cell-Based Therapy in Kidney Disease Kim Seorin, M.D. (Pusan National University School of Medicine, Yangsan, South Korea)
10:40am	Scattered Tubular-like Cells Alfonso Eirin, M.D. (Mayo Clinic Rochester)
10:55am	Regenerative Potential of Aqp2 ⁺ Progenitor Cells Wenzheng Zhang, M.D. (Albany Medical College)
11:10am	Bioinformatics Informs Potential of Renal Autologous Cell Therapy for Repair, Restoration, and Neo-Kidney Formation Prakash Narayan, Ph.D. (ProKidney) [Non-CME Talk]
11:25am	Human Ureteric Bud Organoids and Derived Principal and Intercalated Cells Joseph Bonventre, M.D., Ph.D. (Brigham and Women's Hospital; Massachusetts General Hospital)
11:40am	Q&A or Panel Discussion
11:55am	Lunch and Networking / Exhibitor Hall

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Chronic Kidney Disease	
12:55pm	Non-Diabetic Chronic Kidney Disease (Mesenchymal Stem Cells and Extracellular Vesicles) Matthew Griffin, M.B., B.Ch., MAO (National University of Ireland – Galway)
1:10pm	Diabetic Kidney Disease (Mesenchymal Stem Cells and Extracellular Vesicles) LaTonya Hickson, M.D. (Mayo Clinic Florida)
1:25pm	Lupus Nephritis Vikas Majithia, M.B.B.S., M.P.H. (Mayo Clinic Florida)
1:40pm	Renal Autologous Cell Therapy for Potentially Stabilizing Chronic Kidney Disease Joe Stavas M.D., M.P.H. (ProKidney) [Non-CME Talk]
1:55pm	Polycystic Kidney Disease Fouad Chebib, M.D. (Mayo Clinic Florida)
2:10pm	Q&A or Panel Discussion
Hypertension & Vascular Injury in CKD	
2:25pm	Cell-Based Therapy in Renovascular Disease Lilach Lerman, M.D., Ph.D. (Mayo Clinic Rochester)
2:40pm	Use of Hypoxia Preconditioning in Hypertensive Kidney Disease Sandra Herrmann, M.D. (Mayo Clinic Florida)
2:55pm	Regenerative Approaches to the Arteriovenous Fistula Access Sanjay Misra, M.D. (Mayo Clinic Rochester)
3:10pm	Q&A or Panel Discussion
3:25pm	Break / Networking / Exhibitor Hall
Funding Opportunities, Innovation, Intellectual Properties, and Priorities for the Future	
3:45pm	NIH Funding Opportunities: Regenerative Medicine Innovation Project Ivonne Schulman, M.D. (National Institute of Diabetes and Digestive and Kidney Diseases [NIDDK]; NIH)
4:00pm	Regenerative Medicine Workforce Development Richard Hayden, M.D. (Mayo Clinic Arizona)
4:15pm	Mayo Clinic Regenerative Medicine Graduate Program Isobel Scarisbrick, Ph.D. (Mayo Clinic Rochester)
4:30pm	Progress Down the Road(s) to the Realization of the Kidney Health Initiative Renal Replacement Roadmap Richard McFarland, Ph.D., M.D. (ARMI/BioFab USA) [Non-CME Talk]
4:45pm	Q&A or Panel Discussion
5:00pm	Welcome Reception and Poster Session (Non-CME session)

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Saturday, October 22, 2022	
7:00 am	Continental Breakfast
7:45 am	Welcome and Virtual Tour of Mayo Clinic Florida Campus
Biomanufacturing and Regulatory Oversight	
8:00 am	Bioreactors for MSC (and EV) Expansion Abba Zubair M.D., Ph.D. (Mayo Clinic Florida)
8:15 am	Extracellular Vesicle Technology for Regenerative Therapy Joy Wolfram, Ph.D. (Australian Institute for Bioengineering and Nanotechnology)
8:30 am	Navigating Regulatory Approval Process for Cell-based Therapies in the U.S. TBD
8:45 am	Q&A or Panel Discussion
CKD-Related Conditions	
9:00 am	Diabetic Foot Ulcer and Calciphylaxis Saranya Wyles, M.D., Ph.D. (Mayo Clinic Rochester)
9:15 am	Peripheral Vascular Disease and Critical Limb Ischemia Houssam Farres, M.D. (Mayo Clinic Florida)
9:30 am	Ischemic Cardiovascular Disease Amir Lerman, M.D. (Mayo Clinic Rochester)
9:45 am	Q&A or Panel Discussion
10:00 am	Break / Exhibitor Hall
Kidney Transplantation Recipient Interventions	
10:15 am	Organ scarcity-Organ Resuscitation-Utilization of Technology to Improve Organ Availability Burcin Taner, M.D. (Mayo Clinic Florida)
10:30 am	Immune Tolerance and the Kidney Transplant Tambi Jarmi, M.D. (Mayo Clinic Florida)
10:45 am	Novel Treg In Vivo Expansion Methods Nikolaos Skartsis, M.D. (University of California – San Francisco)
11:00 am	Liver Cells a Potential Tool for Improved Kidney Allograft Function Timucin Taner M.D., Ph.D. (Mayo Clinic Rochester)
11:15 am	Q&A or Panel Discussion
11:30 am	Lunch and Networking / Exhibitor Hall
Kidney Allograft Rehabilitation & Allograft Interventions	
12:30 pm	Next Generation Cell-Based Therapies: Secretome in a bottle, on a Shelf, and Treating Organs Keith March, M.D., Ph.D. (University of Florida)

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12:45 pm	Non-perfusion Kidney Allograft Therapy Shennen Mao, M.D. (Mayo Clinic Florida)
1:00 pm	Ex Vivo Preservation of Expanded Criteria Donor Kidneys and the Potential of Extracellular Vesicle-based Therapeutics Phil Campbell, Ph.D. (Carnegie Mellon University)
1:15 pm	The Transformative Potential of Regenerative Science with Transplant-Declined Human Kidneys Gregory Tietjen, Ph.D. (Yale University)
1:30pm	Q&A or Panel Discussion
1:45pm	Closing Comments and Break
2:00pm	Speed Networking / Exhibitor Hall (Non-CME Session)
3:00pm	Adjourn

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