

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

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12:55pm	Non-Diabetic Chronic Kidney Disease (Mesenchymal Stem Cells and Extracellular Vesicles) <i>Matthew Griffin, M.B., B.Ch., MAO (National University of Ireland – Galway)</i>
1:10pm	Diabetic Kidney Disease (Mesenchymal Stem Cells and Extracellular Vesicles) <i>LaTonya Hickson, M.D. (Mayo Clinic Florida)</i>
1:25pm	Lupus Nephritis <i>Vikas Majithia, M.B.B.S., M.P.H. (Mayo Clinic Florida)</i>
1:40pm	Renal Autologous Cell Therapy for Potentially Stabilizing Chronic Kidney Disease (Non-CME) <i>Joe Stavas M.D., M.P.H. (ProKidney)</i>
1:55pm	Polycystic Kidney Disease <i>Fouad Chebib, M.D. (Mayo Clinic Florida)</i>
2:10pm	Q&A or Panel Discussion
Hypertension & Vascular Injury in CKD	
2:25pm	Cell-Based Therapy in Renovascular Disease <i>Lilach Lerman, M.D., Ph.D. (Mayo Clinic Rochester)</i>
2:40pm	Use of Hypoxia Preconditioning in Hypertensive Kidney Disease <i>Sandra Herrmann, M.D. (Mayo Clinic Florida)</i>
2:55pm	Regenerative Approaches to the Arteriovenous Fistula Access <i>Sanjay Misra, M.D. (Mayo Clinic Rochester)</i>
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 <i>Ivonne Schulman, M.D. (National Institute of Diabetes and Digestive and Kidney Diseases [NIDDK]; NIH)</i>
4:00pm	Regenerative Medicine Workforce Development <i>Richard Hayden, M.D. (Mayo Clinic Arizona)</i>
4:15pm	Mayo Clinic Regenerative Medicine Graduate Program <i>Isobel Scarisbrick, Ph.D. (Mayo Clinic Rochester)</i>
4:30pm	Progress Down the Road(s) to the Realization of the Kidney Health Initiative Renal Replacement Roadmap (Non-CME) <i>Richard McFarland, Ph.D., M.D. (ARMI/BioFab USA)</i>
4:45pm	Q&A or Panel Discussion
5:00pm	Adjourn
6:00pm	Welcome Dinner at Marker32

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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 <i>LaTonya Hickson, MD</i>
Biomanufacturing and Regulatory Oversight	
8:00 am	Bioreactors for MSC (and EV) Expansion <i>Nisha Durand, Ph.D. (Mayo Clinic Florida)</i>
8:15 am	Extracellular Vesicle Technology for Regenerative Therapy <i>Joy Wolfram, Ph.D. (Australian Institute for Bioengineering and Nanotechnology)</i>
8:30 am	Navigating Regulatory Approval Process for Cell-based Therapies in the U.S. <i>Cynthia Wilkins, PhD (Mayo Clinic Rochester)</i>
8:45 am	Q&A or Panel Discussion
CKD-Related Conditions	
9:00 am	Diabetic Foot Ulcer and Calciphylaxis <i>Saranya Wyles, M.D., Ph.D. (Mayo Clinic Rochester)</i>
9:15 am	Peripheral Vascular Disease and Critical Limb Ischemia <i>Houssam Farres, M.D. (Mayo Clinic Florida)</i>
9:30 am	Ischemic Cardiovascular Disease <i>Amir Lerman, M.D. (Mayo Clinic Rochester)</i>
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 <i>Burcin Taner, M.D. (Mayo Clinic Florida)</i>
10:30 am	Immune Tolerance and the Kidney Transplant <i>Tambi Jarmi, M.D. (Mayo Clinic Florida)</i>
10:45 am	Novel Ex-Vivo Treg Expansion Methods <i>Nikolaos Skartsis, M.D. (University of California – San Francisco)</i>
11:00 am	Liver Cells a Potential Tool for Improved Kidney Allograft Function <i>Timucin Taner M.D., Ph.D. (Mayo Clinic Rochester)</i>
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 <i>Keith March, M.D., Ph.D. (University of Florida)</i>

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12:45 pm	Non-perfusion Kidney Allograft Therapy <i>Shennen Mao, M.D. (Mayo Clinic Florida)</i>
1:00 pm	Ex Vivo Preservation of Expanded Criteria Donor Kidneys and the Potential of Extracellular Vesicle-based Therapeutics <i>Phil Campbell, Ph.D. (Carnegie Mellon University)</i>
1:15 pm	The Transformative Potential of Regenerative Science with Transplant-Declined Human Kidneys <i>Gregory Tietjen, Ph.D. (Yale University)</i>
1:30pm	Q&A or Panel Discussion
1:45pm	Poster Presentations 2:05pm: Roncardy Mondsesir- Obesity Induces Potentially Reversible Epigenetic Changes on Autophagy-Related Genes in Human Adipose-Derived Mesenchymal Stem/Stromal Cells 2:10-pm: Caroline Skaff- MSC Anti-Inflammatory Effects on Human Diabetic Kidney Disease Peripheral Blood Mononuclear Cells 2:15pm: Khaled Elhusseiny- Mesenchymal Stem Cell Therapy in Diabetic Kidney Disease: Early Findings in a Phase I Clinical Trial 2:20pm: Lina Alatta- Contrast-Enhanced Ultrasound (CEUS) Kidney Imaging and Mesenchymal Stem Cell Therapy in Diabetic Kidney Disease
2:15pm	Closing Remarks
2:30pm	Speed Networking / Exhibitor Hall (Non-CME Session)
3:00pm	Adjourn

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