

AHHA 2026: Entering the Multi-Ome

DAY 1 Monday, October 5, 2026		VENUE AL&TC 3.304
TIME	SESSION	SPEAKER / DETAILS
12:30-1:00 pm	Registration	Welcome
1:00-1:15 pm	Welcome	Kumar Sharma, M.D. <i>Director, Center for Precision Medicine, The University of Texas at San Antonio</i>
	Opening Remarks	Taylor Eighmy, PhD <i>Inaugural President, The University of Texas at San Antonio</i>
1:15-1:45 pm	Immunometabolism in Pediatrics	Shaun W. Jackson, MD, PhD <i>Spatial Landscape of the Kidney in Lupus Nephritis</i>
1:45-2:30 pm	Big Data and Federated AI Models	Amy D. Waterman, PhD <i>Improving Cardiometabolic Health and Kidney Data Quality by utilizing a Federated Model in Two Texas Healthcare Systems</i>
2:30-3:00 pm	Coffee Break and Posters	Networking and poster viewing
3:00-3:10 pm	Keynote Introduction	Francisco G. Cigarroa, MD <i>Executive Vice President, The University of Texas at San Antonio</i>
3:10-4:15 pm	Keynote Systems Medicine and AI	Julia Guthrie, PhD <i>From Omics to Insight: Interactive Network Medicine for Multi-Omics Discovery</i>
4:15-5:15 pm	Lightning Talks	Selected Presentations From • Brooke Chapple, BS Medical U. South Carolina <i>Proteomic Signatures Associated with Focal Segmental Glomerulosclerosis Post-Transplant Recurrence</i> • Marharyta Semenikhina, PhD Medical U. South Carolina <i>Mitochondrial metabolomic signatures of sexual dimorphism in the human kidney</i> • David Hernandez-Guzman, MS UTSA <i>Visualizing Metabolic Impact: How Type 2 Diabetes Alters the Architecture of Meningeal Lymphatics</i> • Thomas Kowal, PhD Keck School of Medicine of USC <i>Mapping PFAS-Induced Kidney Injury in the Mouse Kidney</i> • Ana V. Quintero, PhD UTSA <i>Multimodal Spatial Metabolomics of Vascular Calcification</i> • William Korinek, PhD CEO, Astrocyte Pharmaceuticals <i>Surviving the Valley of Death and update on our phase II clinical trial</i>
5:15-6:30 pm	Reception and Posters	Networking reception and poster viewing

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DAY 2 Tuesday, October 6, 2026		VENUE Holly Auditorium / Holly Foyer
TIME	SESSION	SPEAKER / DETAILS
8:30-9:00 am	Coffee/Tea	
9:00-9:30 am	Organoids for Drug Development	James J. Hickman, PhD <i>Regulatory Acceptance of Human on a Chip Systems for Efficacy and Safety Evaluation of Therapeutics</i>
9:30-10:00 am	aiMATCH Workshop AIM-AHEAD	Amina Qutub, PhD, Mark P. Goldberg, MD, David Hernandez-Guzman, BS, & Mignon Frances Dumanjog, BS <i>Molecules to Cells to Tissues to Systems: Multi-Network Spatial Analysis</i>
10:00-10:30 am	Multi-omics and Diagnostics	Luke Norton, PhD <i>Single Nuclei Multiomic Approaches to Dissect Transcriptional Networks in Animal and Human Liver</i> Jing Yong Ye, PhD <i>Development of Photoacoustic Aptamer Switch Sensors for Deep Tissue Biosensing and Imaging</i>
10:30-11:00 am	Digital Pathology, AI, and Spatial Omics	Jeffrey B. Hodgins, MD, PhD <i>Digital Pathology and Pathomics: Omics Integration in Kidney Disease</i>
11:00-11:30 am	Multi-Omics Clinical Insights	Subramaniam Pennathur, MD <i>Lipidomics and Diabetic Kidney disease: Markers to Mechanisms</i>
11:30 am-1:30 pm	Virtual Reality and Pathways Workshop <i>Lunch Box available</i>	Julia Guthrie, PhD & Marlene Grabner, PhD
1:30-2:00 pm	AI in Medical Education	Ronald Rodriguez, MD, PhD <i>The Impact of AI on Medical Education: Why Pimping is Making a Comeback</i>
2:00-3:00 pm	Lightning Talks <i>Refreshments available</i>	Selected Presentations From - Saeida Saadat, PhD University of Miami <i>BNIP3 Couples Mitophagy to Extracellular Vesicle Biogenesis in Diabetic Kidney Disease</i> - Cynthia M. Estrada Zuniga, BS UTSA <i>Patient-derived organoids reveal hypoxia-driven plasticity and therapeutic vulnerabilities in pheochromocytomas and paragangliomas</i> - Abhignya Jagathpally, MS University of North Texas <i>Patient-Incremental Continual Learning of Spatial Tumor Microenvironments in Multiple Myeloma</i> - Soumya Maity, PhD UTSA <i>Spatial Metabolomics-Guided Identification of Circulating Biomarkers of Tissue Injury in Diabetic Kidney Disease</i> - Andrew Natera, BS UTSA <i>Integrated Spatial Transcriptomic and Metabolomic Profiling Reveals Coordinated Tubular Injury and Metabolic Dysfunction in C3 Glomerulonephritis</i>
3:00-4:00 pm	Keynote Multi-Omics in Diabetes	Petter Bjornstad, MD <i>Cells, Space, and Disease: Decoding Diabetes and Obesity</i>
4:00-4:30 pm	Concluding Remarks	Kumar Sharma, MD <i>Professor of Medicine; Chief, Division of Nephrology; Director, Center for Precision Medicine, The University of Texas at San Antonio</i>