

ATTIS and AI Nephrology Joint Two-Day Symposium Agenda 2025

April 8th and 9th, 2025 in Birmingham, AL

AI NEPHROLOGY - Tuesday, April 8th, 2025

8:00am – 8:30am	Breakfast and Networking
8:30am – 8:50am	Seating
8:50am – 9:00am	AI Nephrology Opening Javier Neyra, MD, MS and Jin Chen, PhD
	SESSION ONE - AI Applications in Nephrology moderated by Jin Chen and Joe Ix
9:00am – 10:30am (25 min + 5 min Q&A)	<ul style="list-style-type: none"> ➤ AI Applications in Transplant Nephrology Care <ul style="list-style-type: none"> ▪ Wisit Cheungpasitporn, MD – MAYO CLINIC ➤ AI Applications in Critical Care Nephrology <ul style="list-style-type: none"> ▪ Kianoush Kashani, MD, MS – MAYO CLINIC ➤ Implementation Science of AI-enabled Applications in Healthcare <ul style="list-style-type: none"> ▪ Lama Ghazi, MD, PhD – UAB
10:30am – 11:00am	Panel Discussion by prior speakers moderated by Jin Chen and Joe Ix
11:00am – 11:20am	BREAK – Networking and Visit Posters
11:20am – 11:30am	Introduction to Keynote – by Jin Chen, PhD
KEYNOTE 11:30am – 12:15pm	From Computer to Bedside: The Translational Journey of Data Science <ul style="list-style-type: none"> ➤ Guo-Qiang Zhang, PhD – UT HEALTH
12:15pm – 12:45pm	Round Table Discussion (over lunch) with Keynote Speaker Guo-Qiang Zhang moderated by Jin Chen
12:45pm – 1:15pm	BREAK – Networking and Visit Posters
	SESSION TWO – AI, Data Pipelines and Clinical Decision Support System
1:15pm – 2:45pm (25 min + 5 min Q&A)	<p>Moderated by Jay Koyner, MD and Javier Neyra, MD, MS</p> <ul style="list-style-type: none"> ➤ AI Use for Image and Tissue Acquisition and Interpretation <ul style="list-style-type: none"> ▪ Ambarish Athavale, MD – UCSD ➤ New Informatics Tools for Unraveling Disease Complexity: Opportunities for Team Science in Nephrology <ul style="list-style-type: none"> ▪ Jake Chen, PhD – UAB ➤ Electronic Health Records in The AI Era: Examples, Challenges, and Opportunities <ul style="list-style-type: none"> ▪ Tiago Colicchio, PhD – UAB
2:45pm – 3:15pm	Panel Discussion by prior speakers – Moderated by Jay Koyner MD and Javier Neyra MD, MS
3:15pm – 3:45pm (7 min + 3 min Q&A)	Flash Talks Session One – 3 Trainee Speakers Moderated by Jin Chen, PhD
3:45pm – 4:00pm	BREAK – Networking and Visit Posters
KEYNOTE 4:00pm – 4:45pm	The Revolution of AI in Healthcare: Are We Ready for This? <ul style="list-style-type: none"> ➤ Rubin Pillay PhD, MD, MBA, MSc, BSc(Hon) – UAB <ul style="list-style-type: none"> ▪ Introduced by Girish Nadkarni, MD, MPH
	SESSION THREE - AI and Processes of Care
4:45pm – 5:35pm (20 min + 5 min Q&A)	<p>Moderated by Girish Nadkarni, MD, MPH and Ravi Mehta, MD</p> <ul style="list-style-type: none"> ➤ Case Examples of Machine Learning Algorithms to Automate Tasks in Treatment Planning <ul style="list-style-type: none"> ▪ Carlos Cardenas, PhD – UAB ➤ Use of AI for Resource Allocation in the ICU <ul style="list-style-type: none"> ▪ William Parker, MD – UNIVERSITY OF CHICAGO
5:35pm – 6:00pm	Panel Discussion by prior speakers – moderated by Girish Nadkarni, MD, MPH and Ravi Mehta, MD
6:00pm – 6:45pm	Adjourn by Jin Chen, PhD Followed by Network Reception and Dinner for all participants



Annual Translational and Transformative Informatics Symposium (ATTIS)

Wednesday, April 9th, 2025

8:00am – 8:30am	Breakfast and Networking
8:30am – 8:50am	Seating
8:50am – 9:00am	ATTIS Opening Jin Chen, PhD
KEYNOTE 9:00am – 10:00am	Disrupting Healthcare using Deep Data and Remote Monitoring Keynote by Michael Snyder, PhD – STANFORD <ul style="list-style-type: none"> • Introduction and Q & A moderated by Jake Chen, PhD
10:00am – 10:15am	BREAK - Networking
10:15am – 11:45am (25min + 5 min Q&A)	Session ONE – moderated by Jin Chen, PhD <ul style="list-style-type: none"> ➤ Medical AI Models: Present and Future <ul style="list-style-type: none"> ▪ Ge Wang, PhD – Rensselaer Polytechnic Institute ➤ Moving from Radiomics to Visual Language Models for COPD <ul style="list-style-type: none"> ▪ Sandeep Bodduluri, PhD – UAB ➤ AI for Health: Future is here <ul style="list-style-type: none"> ▪ Azra Bihorac, MD – University of Florida ➤ Applying Implementation Science Approach to Improve Inpatient Sepsis Care Deliver <ul style="list-style-type: none"> ▪ Jing Li, MD, DrPH, MS – UAB
12:15pm – 1:00pm	Poster session over lunch
KEYNOTE 1:00pm – 2:00pm	AI-guided detection of under-recognized cardiomyopathies on point-of-care cardiac ultrasonography <ul style="list-style-type: none"> • Keynote by Girish Nadkarni, MD, MPH – MT. SINAI • Introduction and Q&A by Javier Neyra, MD, MS
2:00pm – 3:30pm (25min + 5 min Q&A)	Session TWO – moderated by John Osborne, PhD <ul style="list-style-type: none"> ➤ Advancing machine learning for kidney disease prediction and risk factor discovery <ul style="list-style-type: none"> ▪ Mei Liu, PhD – University of Florida ➤ Predicting survival time for critically ill patients with heart failure using conformalized survival analysis <ul style="list-style-type: none"> ▪ Jiancheng Ye, PhD – UAB ➤ Transfer Learning for the Prediction of Entity Modifiers in Clinical Text: Application to Opioid Use Disorder Case Detection <ul style="list-style-type: none"> ▪ John Osborne, PhD – UAB ➤ Characterization of V(D)J recombinations from long-read transcriptome data <ul style="list-style-type: none"> ▪ Zechen Cong, PhD – UAB
3:30pm – 3:45pm	BREAK – Networking
3:45pm – 4:30pm	Panel Discussion – moderated by Jake Chen, PhD <ul style="list-style-type: none"> ➤ Michael Snyder, PhD, Stanford University ➤ Girish Nadkarni, MD, MPH, Mt. Sinai ➤ Ge Wang, PhD, Rensselaer Polytechnic Institute ➤ Barry Sleckman, MD, PhD, Director, UAB O'Neal Comprehensive Cancer Center
4:30pm – 5:30pm (10 min)	Cancer AI Flash Talks Session moderated by Jin Chen, PhD <ul style="list-style-type: none"> ➤ Five Trainee Speakers
5:30pm – 6:00pm	Poster Awards by Amy Wang, MD & Closing by James Cimino, MD

Sponsors: CCTS, SPARC, DBIDS, BME, Radiology