

ATTIS and AI Nephrology Joint Two-Day Symposium Agenda 2025

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

AI NEPHROLOGY - Tuesday, April 8, 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 Joachim 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 Joachim Ix
11:00am – 11:20am	BREAK – Networking and view posters
11:20am – 11:30am	Introduction to Keynote – by Jin Chen, PhD
KEYNOTE	From Computer to Bedside: The Translational Journey of Data Science
11:30am – 12:15pm	<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 view posters
	SESSION TWO – AI, Data Pipelines and Clinical Decision Support System
	Moderated by Jay Koyner, MD and Javier Neyra, MD, MS
1:15pm – 2:45pm (25 min + 5 min Q&A)	<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 view posters
KEYNOTE	The Revolution of AI in Healthcare: Are We Ready for This?
4:00pm – 4:45pm	<ul style="list-style-type: none">➤ Rubin Pillay PhD, MD, MBA, MSc, BSc (Hon) – UAB<ul style="list-style-type: none">▪ Introduced by Jin Chen, PhD
	SESSION THREE - AI and Processes of Care
	Moderated by Tiago Colicchio, PhD and Ravi Mehta, MD
4:45pm – 5:35pm (20 min + 5 min Q&A)	<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 Javier Neyra, MD, MS and Ravi Mehta, MD
6:00pm – 6:05pm	Adjourn by Jin Chen, PhD
6:30pm	Network Reception and Dinner for all faculty, speakers, and participants at The Fish Market (612 22nd Street South, Birmingham, AL)



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 and view posters
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 Delivery <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 in Healthcare: Opportunities and Challenges <ul style="list-style-type: none"> • Keynote by Girish Nadkarni, MD, MPH – MT. SINAI (virtual) • 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"> ▪ Tianyang Wang, 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 ➤ Ge Wang, PhD, Rensselaer Polytechnic Institute ➤ Jing-Shan (Jennifer) Hu, PhD, BioPharma ➤ Rubin Pillay PhD, MD, UAB ➤ James Cimino, MD, UAB
4:30pm – 5:30pm (10 min)	AI in Medicine 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: Center for Clinical and Translational Science Systems, Pharmacology AI Research Center, Department of Biomedical Informatics and Data Science, UAB Comprehensive Diabetes Center, Marnix E. Heersink Institute for Biomedical Innovation, Division of Nephrology, Heersink School of Medicine, Nephrology Research and Training Center, UAB-UCSD O'Brien Center for Acute Kidney Injury Research