

ATTIS and AI Nephrology Joint Two-Day Symposium Agenda 2025

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

DAY ONE, AI NEPHROLOGY - Tuesday, April 8th, 2025

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| 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 Kidney Care and Transplant Nephrology <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 - UTHealth |
| 12:15pm – 12:45pm | Round Table Discussion (over lunch) with Keynote Speaker Guo-Qiang Zhang moderated by Jin Chen, PhD |
| 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 |



DAY TWO, ATTIS - Wednesday, April 9th, 2025

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| 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 Introduction and Q & A 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 <ul style="list-style-type: none"> ➤ Medical AI Models: Present and Future <ul style="list-style-type: none"> ▪ Ge Wang, PhD - RPI ➤ Embracing carers: when will adult hospitals fully adopt the same practices as children's hospitals? <ul style="list-style-type: none"> ▪ Jing Li, PhD – UAB ➤ Moving from Radiomics to Visual Language Models for COPD <ul style="list-style-type: none"> ▪ Sandeep Bodduluri, 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 |
| 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 – KEYNOTE by Girish Nadkarni, MD - 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 <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 ➤ Assessing the Impact of Patient-driven Payment Model on Nursing Home Care Quality <ul style="list-style-type: none"> ▪ Sue Feldman, 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 <ul style="list-style-type: none"> ➤ Barry Sleckman, MD, PhD - UAB O'Neal Comprehensive Cancer Center ➤ Jake Chen, PhD - UAB Systems AI Pharmacology Research Center |
| 4:30pm – 5:15pm (10 min) | Flash Talks Session – 4 Trainee Speakers Moderated by Jin Chen, PhD - UAB |
| 5:15pm – 5:30pm | Poster Awards by Amy Wang & Closing by Javier Neyra and Jin Chen |