

SECOND ANNUAL TMC AI SUMMIT

FEBRUARY 2025 | TMC3 COLLABORATIVE BUILDING

DAY 1

FEB 20, 2025

11:00-17:00

REGISTRATION

13:00-16:30

WORKSHOPS/TUTORIALS

State of the TMC AI Community - **Ben Hu**
Ioannis Kakadiaris

Perioperative Surveillance for Operational Excellence,
Current practices and Future Directions - **Xiaoyang Ruan**

Advancing Healthcare with Digital Pathology and
Artificial Intelligence - **Jun Jiang**

From Blueprint to Bot: Streamlining Workflows with AI -
Sibel Emekli

Seizing the Moment: Building an AI Center at Texas
Medical Center to Lead Global Healthcare Innovation -
Uwe Fischer

14:30-15:00

COFFEE BREAK

16:30-18:30

RECEPTION AND POSTERS

RSVP TO SAVE YOUR SPOT TODAY!



GO.UTH.EDU/TMCAISUMMIT

DAY 2

FEB 21, 2025

8:00- 8:10

OPENING REMARKS

8:10-10:10

FOUNDATION TRACK

Multimodal Generative AI for Precision Health -
Hoifung Poon | Microsoft

Exploring Biological Complexity with Gene and Cell
Embedding approaches - **Vicky Yao | Rice University**

TMC Research Spotlight
Foundation Track Panel

10:10-10:30

COFFEE BREAK

10:30-12:30

OPPORTUNITIES TRACK

AI-Driven 3D and 4D Molecular Modeling: Innovations
Shaping the Future of Patient-Centered Precision
Medicine - **Tae Hyun Hwang | Vanderbilt University**

Transforming Stroke Care with AI Technologies - **Sean Savitz | UTHealth Houston**

TMC Research Spotlight
Opportunity Track Panel

12:30-14:00

LUNCH/SHOWCASE

12:30 Sponsor Talk - **Nucleati - Adenine AI: Augmenting Genetic Insights with AI-Powered Evidence Collection, Curation, and Organization.**

13:00 Student Research Showcase - **Sunyang Fu | UTHealth Houston**

14:00-14:30

COFFEE BREAK

14:30-16:30

IMPACT TRACK

Seven Challenges When Implementing Prognostic Models
at an Academic Medical Center - **Khaled El Emam |**

University of Ottawa

Artificial Intelligence, Workforce Development, and Data
Infrastructure Capacity Building - **Toufeeque Syed | UTHealth Houston**

TMC Research Spotlight
Impact Track Panel

16:30-16:45

CLOSING REMARKS

SECOND ANNUAL TMC AI SUMMIT

FEBRUARY 2025 | TMC3 COLLABORATIVE BUILDING

DAY ONE

FEBRUARY 20, 2025

13:00-13:05

OPENING REMARKS

13:00-16:30

STATE OF THE TMC AI COMMUNITY

13:05 - **Ashok Kurian | Texas Children's Hospital**

13:30 - **Stephen Wong | Houston Methodist**

14:00 - **Shawn Stapleton | UT MD Anderson Cancer Center**

15:00 - **GQ Zhang | UTHealth Houston**

15:30 - **Marino Bruce | University of Houston**

16:00 - **Todd Treangen | Rice University**

13:00-16:30

WORKSHOPS/TUTORIALS

Perioperative Surveillance for Operational Excellence, Current practices and Future Directions

Daniel I. Sessler | UTHealth Houston

Nassib Chamoun | Health Data Analytics Institute

Yandong Jiang | UTHealth Houston

Garry Brydges | National Board of Certification and Recertification for Nurse Anesthetists

Xiaoyang Ruan | UTHealth Houston

Advancing Healthcare with Digital Pathology and Artificial Intelligence

Guanghua Xiao | UT Southwestern Medical Center

Quincy Gu | University of Pittsburgh

Jun Jiang | UT Health Houston

Xiaoxi Pan | MD. Anderson

From Blueprint to Bot: Streamlining Workflows with AI

Sibel Emekli | UTHealth

Seizing the Moment: Building an AI Center at Texas Medical Center to Lead Global Healthcare Innovation

Uwe Fischer | UTHealth

14:30-15:00

COFFEE BREAK

16:30-18:30

RECEPTION AND POSTERS

SECOND ANNUAL TMC AI SUMMIT

FEBRUARY 2025 | TMC3 COLLABORATIVE BUILDING

DAY TWO

FEBRUARY 21, 2025

8:00-8:10

OPENING REMARKS

8:10-10:10

FOUNDATION TRACK

Multimodal Generative AI for Precision Health -

Hoifung Poon | Microsoft

Exploring Biological Complexity with Gene and Cell Embedding Approaches - **Vicky Yao | Rice University**

TMC Research Spotlight

Foundation Track Panel

10:10-10:30

COFFEE BREAK

10:30-12:30

OPPORTUNITIES TRACK

AI-Driven 3D and 4D Molecular Modeling: Innovations Shaping the Future of Patient-Centered Precision Medicine - **Tae Hyun Hwang | Vanderbilt University**

Transforming Stroke Care with AI Technologies - **Sean Savitz | UTHealth Houston**

TMC Research Spotlight

Opportunity Track Panel

12:30-14:00

LUNCH/SHOWCASE

12:30 Sponsor Talk - **Nucleati - Adenine AI: Augmenting Genetic Insights with AI-Powered Evidence Collection, Curation, and Organization.**

13:00 Student Research Showcase - **Sunyang Fu | UTHealth Houston**

14:00-14:30

COFFEE BREAK

14:30-16:30

IMPACT TRACK

Seven Challenges When Implementing Prognostic Models at an Academic Medical Center - **Khaled El Emam | University of Ottawa**

Artificial Intelligence, Workforce Development, and Data Infrastructure Capacity Building - **Toufeeque Syed | UTHealth Houston**

TMC Research Spotlight

Impact Track Panel

16:30-16:45

CLOSING REMARKS

FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE [TMC-AI-SUMMIT.ORG](https://tmc-ai-summit.org)