

SECOND ANNUAL TMC AI SUMMIT

FEBRUARY 2025 | TMC3 COLLABORATIVE BUILDING

DAY ONE

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 TWO

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 - **Toufeeq Syed** | **UTHealth**
Houston

TMC Research Spotlight

Impact Track Panel

16:30-16:45 **CLOSING REMARKS**

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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

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COFFEE BREAK

16:30-18:30

RECEPTION AND POSTERS

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OPPURTUNTIES TRACK

AI-Driven 3D and 4D Molecular Modeling: Innovations Shaping the Future of Patient-Centered Precision Medicine

- **Tae Hyun Hwang** | **Vanderbilt University**

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CLOSING REMARKS

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