



The New Wave of AI in Healthcare 2026 May 12-13, 2026

Presented by: The Windreich Department of Artificial Intelligence and Human Health
at the Icahn School of Medicine at Mount Sinai
and The New York Academy of Sciences

Venues: Hess Center for Science and Medicine (Day 1)
1470 Madison Ave, New York, NY 10029
Icahn Medical Center (Day 2)
1425 Madison Ave, New York, NY 10029

Day 1: May 12, 2026

8:30 AM Check-in and Breakfast

SESSION 1: WELCOME & STATE OF THE ART AI MODELS IN HEALTHCARE

Chairperson: Girish N. Nadkarni, MD, MPH, CPH, Icahn School of Medicine at Mount Sinai

- 9:00 AM **Welcome Remarks**
Melanie Brickman Borchard, PhD, MSc, The New York Academy of Sciences
Nicholas Dirks, PhD, The New York Academy of Sciences
Eric Nestler, MD, PhD, Icahn School of Medicine at Mount Sinai
Brendan G. Carr, MD, MA, MS, Icahn School of Medicine at Mount Sinai
Alexander Charney, MD, PhD, Icahn School of Medicine at Mount Sinai
Girish N. Nadkarni, MD, MPH, CPH, Icahn School of Medicine at Mount Sinai
- 9:15 AM **Opening Keynote Presentation: Transforming Care Delivery Today—and What Comes Next**
John Halamka, MD, MS, Mayo Clinic
- 10:00 AM **From Data to Knowledge: Integrating Clinical and Molecular Data with AI for Predictive Medicine**
Marina Sirota, PhD, University of California, San Francisco
- 10:30 AM **AI Models & Agents in Healthcare**
Raghav Mani, MS, NVIDIA
- 11:00 AM **Networking Break**
- SESSION 2: STATE OF THE ART AI MODELS IN HEALTHCARE (continued)**
- Chairperson:** Girish N. Nadkarni, MD, MPH, CPH, Icahn School of Medicine at Mount Sinai
- 11:30 AM **Discovery-Driven Care: How Multimodal AI Bridges Science and Medicine**
Jonathan Carlson, PhD, Microsoft

12:00 PM **The New Architecture of Intelligent Healthcare: From Predictive Models to Clinical Reasoning Ecosystems**
Azra Bihorac, MD, MS FCCM, FASN, University of Florida

SESSION 3: DATA BLITZ TALKS SELECTED FROM ABSTRACTS

Chairperson: Eugenia Alleva, MD, MSc, Icahn School of Medicine at Mount Sinai

12:30 PM **Sizing the health system outpatient capacity problem and understanding the value of A.I. triage: a cross-sectional study**
Bilal Naved, PhD, Icahn School of Medicine at Mount Sinai

12:35 PM **An Operational AI Trustworthiness and Transparency Framework for Learning Health Systems: Integrating Data-Driven Governance Across the Enterprise**
Parsa Mirhaji, MD, PhD, NYU Langone Health

12:40 PM **Networking Lunch**

SESSION 4: DATA BLITZ TALKS SELECTED FROM ABSTRACTS (continued)

Chairperson: Eugenia Alleva, MD, MSc, Icahn School of Medicine at Mount Sinai

1:50 PM **AI-Driven Imaging Reveals Distinct Clot-Associated Platelet Activation Pathways**
Angela Pierides, University of Technology Sydney

1:55 PM **Generation of Synthetic Laryngoscopy Images Using StyleGAN3**
Anaïs Rameau, MD, Weill Cornell Medicine

2:00 PM **Genomic Heterogeneity Inflates the Performance of Variant Pathogenicity Predictions**
Po-Yu Lin, MD, NYU Langone Health

SESSION 5: AI AT THE BEDSIDE

Chairperson: Robert Freeman, DNP, RN, Icahn School of Medicine at Mount Sinai

2:05 PM **Embedded Intelligence in the EHR**
Karen Wong, MD, MPH, Epic

2:35 PM **AI Models and Agentic Systems Across the Precision Health Ecosystem**
Alexander Fedotov, PhD, AstraZeneca

3:05 PM **Networking Break**

SESSION 6: AI AT THE BEDSIDE (continued)

Chairperson: Robert Freeman, DNP, RN, Icahn School of Medicine at Mount Sinai

3:35 PM **Reimagining the Work – The AI Driven Cardiologist**
Pierre Elias, MD, Columbia University Irving Medical Center

4:05 PM **Panel Discussion**
Moderator: **Robert Freeman, DNP, RN**, Icahn School of Medicine at Mount Sinai

Panelists:

Pierre Elias, MD, Columbia University Irving Medical Center
Karen Wong, MD, MPH, Epic
Alexander Fedotov, PhD, AstraZeneca

5:00 PM **Closing Remarks**
Cassie Chartier, PhD, The New York Academy of Sciences

5:05 PM Reception and Poster Session

6:00 PM Day 1 Concludes

DAY 2: May 13, 2026

8:30 AM Check-in and Breakfast

9:00 AM **Welcome Remarks**
Melanie Brickman Borchard, PhD, MSc, The New York Academy of Sciences

SESSION 7: KEYNOTE & LEARNING HEALTH SYSTEM

Chairperson: Benjamin Glicksberg, PhD, Icahn School of Medicine at Mount Sinai

9:05 AM **Keynote Fireside Chat: Health Leadership in the AI Era**
Dave A. Chokshi, MD, MSc, City University of New York

9:50 AM **The All of Us Research Program: Using AI for Big Data and Big Impact**
Joshua C. Denny, MD, MS, NIH *All of Us* Research Program

10:20 AM **Networking Break**

SESSION 8: LEARNING HEALTH SYSTEM (continued)

Chairperson: Benjamin Glicksberg, PhD, Icahn School of Medicine at Mount Sinai

10:50 AM **Should med students write and grade their own boards? Should we allow AI to do the same?**
Andrew Gruen, PhD, MLCommons

11:20 AM **Panel Discussion**
Moderator: **Benjamin Glicksberg, PhD**, Icahn School of Medicine at Mount Sinai

Panelists:

Joshua C. Denny, MD, MS, NIH *All of Us* Research Program

Emrin Horgusluoglu, PhD, NIH National Center for Complementary and Integrative Health

12:15 PM **Networking Lunch**

SESSION 9: AI VERSUS HUMAN

Chairperson: Ipek Ensari, PhD, Icahn School of Medicine at Mount Sinai

1:30 PM **Can we fulfill the Triple Aims without AI and automation?**
Karandeep Singh, MD, MMSc, University of California, San Diego

2:00 PM **Health AI: What Makes Humans Special?**
Vardit Ravitsky, PhD, The Hastings Center for Bioethics

2:30 PM **Debate**
Moderator: **Girish N. Nadkarni, MD, MPH, CPH**, Icahn School of Medicine at Mount Sinai

Debaters:

Karandeep Singh, MD, MMSc, University of California, San Diego

Vardit Ravitsky, PhD, The Hastings Center for Bioethics

3:15 PM **Networking Break**

SESSION 10: AI-HUMAN INTERACTIONS

Chairperson: Alexander Charney, MD, PhD, Icahn School of Medicine at Mount Sinai

3:45 PM **The Future of Mental Health and AI – Perspective from Research, Entrepreneurship, and Implementation**
Tanzeem Choudhury, PhD, Cornell Tech

4:15 PM Closing Remarks
Alexander Charney, MD, PhD, Icahn School of Medicine at Mount Sinai
Cassie Chartier, PhD, The New York Academy of Sciences

4:25 PM Conference Concludes