3rd Annual Artificial Intelligence in Medicine Symposium: From Prediction to Prescription: The Next Era of AI in Medicine

December 11 – 12, 2026

Co-organized by the Cedars-Sinai Health System, Los Angeles, and University Health Network, Toronto

Location: Harvey Morse Auditorium, Cedars-Sinai Medical Center

Co-Chairs:

Sumeet Chugh, MD, Price Professor and Associate Director, Smidt Heart Institute; Vice-Dean and Chief AI Health Research Officer, Cedars-Sinai Health System

Barry Rubin, MD PhD. Professor of Surgery and Program Medical Director, Peter Munk Cardiac Centre; Co-Lead, AI Deployment Team, University Health Network

Scientific Program Committee:

Prachi Agarwal, PhD, Damini Dey, PhD, Andrew Hung, MD, Piotr Slomka PhD (Cedars-Sinai)

Benjamin Haibe-Kains PhD, Andrew Sage, PhD (UHN)

Day 1 December 11, 2026

8:00 am Chair's introductory remarks Sumeet Chugh, MD

8:25 am Introduction of Keynote Speaker Sumeet Chugh, MD

8:30 am Keynote Lecture

Can we fulfill the Quintuple Aims without AI and automation?

Karandeep Singh, MD
Joan and Irwin Jacobs Chancellor's Endowed Chair in Digital Health Innovation Associate Professor in Biomedical Informatics
Executive Director, Jacobs Center for Health Innovation
Chief Health AI Officer, UC San Diego

9:00 am Keynote discussion

9:15 am Session 1. AI Agents in Action
Chairs: **Shaf Keshavjee, MD and Aakriti Gupta, MD**

9:15 am Andrew Sage, PhD — *The Engine on the Table: How Digital Twins of Ex Vivo Human Organs Can Transform Transplantation*

9:25 am Amin Madani, MD — *Stop Validating Toys: What It Takes to Build AI That Survives the Operating Room*

9:35 am Robert Avram, MD, PhD — *Your ECG Knows You're Sick Before Your Doctor Does: Are We Ready to Let AI Act?*

9:45 am Jacobien Oosterhoff, MD, PhD. — *Orthopedic Care in the Age of Agents*

9:55 am David Ouyang, MD — *Agentic AI for Echocardiography: Automated Interpretations*

10:05 am Folkert W. Asselbergs, MD, PhD — *Beyond Decision Support: Agentic AI for the Modern Heart Team*

10:15 am Animesh (Aashoo) Tandon, MD . — *The Trimodal Surveillance Agent for Congenital Heart Disease: Integrating Wearable Physiological Streams, Cardiac Imaging AI, and EHR Data into a Single System*

10:25 am Panel Discussion
Discussants: **Alan Kwan, MD and Jason Moore, PhD**

10:50 am Break

11:05 am Session 2. Toward an AI-Ready Health System
Chairs: **Laura Rosella, PhD and Bradley Wouters, PhD**

11:05 am Jason Moore, PhD — *An Ecosystem for Autonomous and Explainable Insights from EHR Data (EcoXAI).*

11:15 am Laura Rosella, PhD — *From Prediction to Population Health Action: Building AI-Ready Health Systems That Can Measure, Learn, and Improve.*

11:25 am Michael Brudno MD, PhD — *Can we collaborate and still say sovereign? Building VITAL, a national-scale platform for health AI in Canada.*

11:35 am Nicholas Tatonetti, PhD — *Mining the Unstructured EHR for Adverse Drug Signals: What NLP Has Learned About Finding Safety Needles in Documentation Haystacks*

11:45 am Laura Adams, MS — AI as an Agentic Safety Sentinel: Are We Ready for What It Will Reveal?

11:55 am Sneha S. Jain, MD, MBA —*The Living Algorithm: Why and How to Monitor Deployed AI tools*

12:05 pm Panel Discussion
Discussants: **Melissa Wong, MD and Jacobien Oosterhoff, MD, PhD.**

12:30 pm Lunch

1:40 pm Breakout Session 3A. Beyond Detection: When AI Starts to Guide Treatment
Chairs: **Eytan Ruppin, MD, PhD and Folkert W. Asselbergs, MD, PhD**

1:40 pm Piotr Slomka, PhD — *Multimodal AI for Prescriptive Care in Nuclear Cardiology*

1:50 pm Joshua Levy, MD — *Advancing Digital Pathology: Considerations for Multimodal AI and Emerging Translational Applications*

2:00 pm Benjamin Haibe-Kains, PhD — *From Tumor Data to Treatment Orders: Is AI Ready to Prescribe Cancer Therapy?*

2:10 pm Alejandro Berlin, PhD — *From Prognosis to Action: AI-Orchestrated Radiation Oncology*

2:20 pm Damini Dey, PhD — *Multimodal Cardiac CT AI: Anatomy and Physiology for individualized therapy*

2:30 pm Prachi Agarwal, PhD — *Reading the Heart, Predicting the Brain: ML-ECG post Cardiac Arrest quality of surgery.*

2:40 pm Panel discussion
Discussants: **Chris McIntosh, PhD and Michael Brudno MD, PhD**

1:40 pm Breakout Session 3B. The AI Exam Room: Patients, Trust, and the New Clinical Relationship
Chair: **Barry Stein, MD and Shaun Miller, MD**

1:40 pm Ellyn Winters-Robinson, BPR and Amina Silva, PhD, RN — *From Prediction to Partnership: What Patients Want from AI in Their Healthcare*

1:50 pm Lalima Hoq, MD — *Ambient AI in the Exam Room: What Happens to the Doctor-Patient Relationship When the Algorithm Is Always Listening?*

2:00 pm Paul Lukac, MD — *Implementing Ambient AI Scribes at Scale: The Full Journey from Vendor Selection Through Pilot Design Through System-Wide Rollout*

2:10 pm Melissa Wong, MD — *Redefining Roles, Responsibilities, and Relationships in an AI-Augmented Obstetric Care Team*

2:20 pm Jennifer Bell, PhD — *From Responsible AI to Relational Care: Safeguarding Autonomy, Compassion, and Trust in Prescriptive AI*

2:30 pm David Wiljer, PhD — *Beyond Consent: Building Trust in Appropriate AI through Education and Engagement*

2:40 pm Panel discussion
Discussants: **Yaron Elad, MD and Shaf Keshavjee, MD**

3:05 pm Break

3:20 pm Debate. Be it resolved that validated AI systems should be allowed to prescribe treatment autonomously, without mandatory physician review.

Pro**: Davy Cheng**, **MD** Founding Dean & Presidential Chair Professor
The Chinese University of Hong Kong, Shenzhen

Con: **John Whyte**, **MD** President, American Medical Association

4.40-4.45 pm Closing remarks, Day 1.

5:45 pm Reception, Sofitel Hotel

6:45 pm Dinner, Sofitel Hotel

Day 2 December 12, 2026

8:00 am Chair's introductory remarks - Barry Rubin, MD

8:10 am Session 4. Making AI Work: Development, Oversight, and Accountability
Session Chairs: **Kevin Smith, DPhil and Craig Kwiatkowski, PharmD**

8:10 am Omer Liran, MD — *Blueprints for Bedside AI: Building Reliable Tools for Modern Healthcare*

8:20 am Shaun Miller, MD — *Build Versus Buy Versus Partner: The Strategic Decision Framework for Clinical AI Acquisition That Every Health System Is Navigating Differently*

8:30 am Muhammad Mamdani, PharmD, MS — *AI in the EHR After Deployment: Monitoring, Updating, and Validating AI Systems Post-Deployment*

8:40 am Anurang Revri, MS — *Stanford Medicine story: successes and lessons*

8:50 am Break

9:05 am Virginia Bartlett, PhD — *Frontier Models and Moral Pioneers: Navigating the Wild West of Health AI*

9:15 am Joshua Pevnick, MD — *A Randomized Feasibility Trial of Sending OpenEvidence Recommendations to Hospitalists*

9:25 am Joe Cafazzo, PhD — *The Algorithm Was Right. The Human System Failed*

9:35 am Thomas C. Kingsley, MD — *An Evidence-to-Decision Framework for Clinical AI Deployment*

9:45 am Panel discussion

Discussants: **Mouneer Odeh, MA and Matthew Wells, MSHS**

10:10 am Break

10:25 am Session 5. Clinical Futures: New Interfaces, New Signals, and Emerging Care Models
Session Chairs: **Michael Farkouh, MD and Liat Nadai Arad, BS, MBA**

10:25 am Debiao Li, PhD — *Imaging and the Aging Clock: Can AI Derive a Single Biological Age Score That Predicts Multi-Organ Disease Risk?*

10:35 am Joseph Schwab, MD — *Multi-modal AI-driven wearable/interactive devices for fall prediction*

10:45 am Tanvi Banerjee, PhD — *Multimodal Wearable Sensing for Dementia and Chronic Disease Management: From Validation to Clinical Insight*

10:55 am Liat Nadai Arad, BS, MBA — *AI as the future Stethoscope*

11:05 am Andrew Hung, MD — *Deciphering live surgical feedback with AI*

11:15 am Elias Aboujaoude, MD — *Will autonomous AI alleviate or worsen OCD and anxiety disorders?*

11:25 am Brennan Spiegel, MD — *Virtually Better: AI-Enabled VR for Non-Pharmacological Pain Management*.

11:35 am Panel discussion
Discussants: **Folkert W. Asselbergs, MD, PhD and Muhammad Mamdani, PharmD, MS**

12:00 pm *Closing remarks*

Save the date: 4th Annual AI in Medicine Symposium, December 10 – 11, 2027.
Location: Cedars-Sinai Medical Center, Los Angeles, CA.

Guest Faculty

Laura Adams, MS – National Academy of Medicine

Liat Nadai Arad BS, MBA – Tel Aviv Sourasky Medical Center

F.W. (Folkert) Asselbergs, MD, PhD – University of Amsterdam

Robert Avram, MD, PhD. – University of Montreal

Tanvi Banerjee, PhD. – Wright State University

Davy Cheng, MD – Chinese University of Hong Kong Shenzhen

Sneha S. Jain, MD, MBA – Stanford University

Thomas C. Kingsley, MD – University California at Los Angeles

Paul Lukac, MD – University California at Los Angeles

Jacobien Oosterhoff, MD, PhD. – University Medical Center Groningen

Anurang Revri, MS – Stanford University

Amina Silva, PhD, RN – Brook University School of Nursing

Karandeep Singh, MD – University of California San Diego

Barry Stein, MD – Hartford HealthCare

Animesh (Aashoo) Tandon, MD – Cleveland Clinic

Ellyn Winters-Robinson, BPR – Ask Ellyn

John Whyte, MD – American Medical Association

University Health Network, Toronto Faculty

Jennifer Bell, PhD

Alejandro Berlin, PhD

Michael Brudno, PhD

Joe Cafazzo, PhD.

Benjamin Haibe-Kains, PhD

Shaf Keshavjee, MD

Amin Madani, MD

Muhammad Mamdani, PharmD, MS

Chris McIntosh, PhD

Laura Rosella, PhD

Andrew Sage, PhD

Kevin Smith, DPhil

Bradley Wouters, PhD

David Wiljer, PhD

Cedars-Sinai, Los Angeles Faculty

Elias Aboujaoude, MD

Prachi Agarwal, PhD

Virginia Bartlett, PhD

Damini Dey, PhD

Yaron Elad, MD

Michael Farkouh, MD

Aakriti Gupta, MD

Lalima Hoq, MD

Andrew Hung, MD

Xiuzhen Huang, PhD

Alan Kwan, MD

Craig Kwiatkowski, PharmD

Joshua Levy, MD

Debiao Li, PhD

Omer Liran, MD

Shaun Miller, MD

Jason Moore, PhD

Mouneer Odeh, MA

David Ouyang, MD

Joshua Pevnick, MD

Eytan Ruppin, MD, PhD

Joseph Schwab, MD

Piotr Slomka, PhD

Brennan Spiegel, MD

Nicholas Tatonetti, PhD

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