

Emory AI Health Symposium

November 14th – 15th 2023

AGENDA



Tuesday, November 14 | 8:30 am – 3:30 pm
Wednesday, November 15 | 9:00 am – 1:00 pm

Emory University
Health Sciences Research Building I (HSRB I)
Auditorium & Café
Emory University
1760 Haygood Drive NE
Atlanta, GA 30322

 EMORY | Empathetic AI for Health Institute

 EMORY | SCHOOL OF MEDICINE



Wallace H. Coulter Department of
Biomedical Engineering



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Emory AI Health Symposium

November 14th – 15th 2023

November 14th
Day 1



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8:00 - 8:30 am

Registration and Breakfast

8:30 - 9:00 am

Opening Remarks

Provost R. Bellamkonda

Anant Madabhushi – Biomedical Engineering, Emory University

Goals and agenda of the Symposium

9:00 - 9:45 am

Session 1: Public Health

Presenters:

May Wang – Biomedical Engineering, Georgia Institute of Technology
Translating AI for Public Health

Razieh Nabi – Biostatistics and Bioinformatics, Emory University

Decision-Making for Public Health Through the Lens of Causality

Donghai Liang – Environmental Health, Emory University

Mapping the maternal metabolome to identify biomarkers of preterm and early term birth among African Americans

Chairs:

Jithin Varghese – Public Health, Emory University

Rodrigo Carrillo – Public Health, Emory University

9:45 - 10:30 am

Panel 1: Data Access, Data Security and Privacy

Panelists:

Juba Ziani – Industrial and Systems Engineering, Georgia Institute of Technology

WenZhan Song – Electrical and Computer Engineering, University of Georgia

Kendra Little – School of Public Health, Emory University

Geoffrey Smith – Pathology and Laboratory Medicine, Emory University

Moderator:

Hari Trivedi – Radiology and Imaging Services, Emory University

Coffee Break (15 m)

10:45 - 11:30 am

Session 2: Acute Care and Cardiology

Presenters:

Gari Clifford – Biomedical Informatics, Emory University

AI Cardiology Projects at Emory, GATech and MSM

Tony Pan – Biomedical Informatics, Emory University

Infrastructure and Processes for Deploying Predictive Models:

BMI Sepsis Predictive Model

Monique Bouvier – Nursing, Emory University

Innovative Nursing Care Delivery for the Inpatient Acute Care Setting

Chairs:

Rishi Kamaleswaran – Biomedical Informatics, Emory University

Xiao Hu – Center for Data Science, Nursing, Emory University

Abeed Sarker – Biomedical Informatics, Emory University

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11:30 - 12:15 pm

Panel 2: Causal Inference and Cutting-edge AI

Panelists:

Yao Xie – Industrial and Systems Engineering, Georgia Institute of Technology
Aditya Prakash – Computational Science and Engineering, Georgia Institute of Technology
Gari Clifford – Biomedical Informatics, Emory University
Drew Williamson – Pathology, Brigham & Women’s Hospital

Moderator:

Xiao Hu – Center for Data Science, Nursing, Emory University

Lunch and Poster Session

12:45 - 1:15 pm:

Fireside Chat between Anant Madabhushi and Joe Depa, Chief Data Officer for Emory University and Emory Healthcare

1:45 - 2:30 pm

Session 3: Radiology

Presenters:

Xiaofeng Yang – Radiation Oncology, Emory University
Imaging acceleration for molecular or biomarker imaging
Hari Trivedi – Radiology and Imaging Sciences, Emory University
Curating radiology datasets at scale? How do we move to radpath?
Marly van Assen – Radiology and Imaging Sciences, Emory University
Multimodal AI: Lessons from Cardiovascular AI

Chair:

Rakesh Shiradkar – Biomedical Engineering, Emory University

2:30 - 3:15 pm

Panel 3: Bias, Equity, Fairness, Trust in AI

Panelists:

Joyce Ho – Computer Science, Emory University
Xiaofeng Yang – Radiation Oncology, Emory University
Janice Newsome – Radiology and Imaging Sciences, Emory University

Moderator:

Judy Gichoya – Radiology and Imaging Sciences, Emory University

November 15th

Day 2

8:30 - 9:00 am

Breakfast

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EMORY
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9:00 - 9:45 am

Session 4: Genomics

Presenters:

Melissa Davis – Radiology and Biomedical Imaging, Yale University
Diversity, Genetics and its impact and outcome
Andrea Moffitt – Hematology and Medical Oncology, Emory University
Personalized Methods for Detecting the Genomic Fingerprint of Cancer
Manoj Bhasin – Pediatrics, Emory University
Navigating Cancer Complexities via Single-Cell Omics and AI

Chair:

Madhusmita Behera – Winship Cancer Institute, Emory University

9:45 - 10:45 am

Panel 4: Industry Interactions

Panelists:

Hansa Bhargava – Chief Medical Officer, Medscape Education
Ramnath Chellappa – Business, Emory University
Irfan Essa – Interactive Computing, Georgia Institute of Technology and Google
Jason Kuo – Tech Square Ventures
Harsh Shrivastava – Microsoft
Raghupathy Sivakumar – VP for Commercialization, Georgia Institute of Technology

Moderators:

Madhusmita Behera – Winship Cancer Institute, Emory University
Manoj Bhasin – Pediatrics, Emory University

Coffee Break (15 m)

11:00 - 11:45 am

Session 5: Pathology

Presenters:

Geoffrey Smith – Pathology and Laboratory Medicine, Emory University
Digitizing a GI Biopsy Service: The Emory Experience
Andrew Janowczyk – Biomedical Engineering, Emory University
Clinical implementation of Pathology AI
Drew Williamson – Pathology, Brigham & Women's Hospital
Exploring the Language of Pathology

Chair:

German Corredor – Biomedical Engineering, Emory University

11:45 - 12:30 pm

Panel 5: Implementation and Cost

Panelists:

Alyssa Krasinskas – Pathology and Laboratory Medicine, Emory University
Brad Farris – Pathology and Laboratory Medicine, Emory University
Elizabeth Krupinski – Radiology and Imaging Sciences, Emory University
Peter Harri – Radiology and Imaging Sciences, Emory University
Evan Orenstein – Pediatrics, Emory University

Moderators:

Marly van Assen – Radiology and Imaging Sciences, Emory University
Drew Williamson – Pathology, Brigham & Women's Hospital

Closing Remarks and Thanks

Dean Carlos del Rio – School of Medicine, Emory University
Anant Madabhushi – Biomedical Engineering, Emory University

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