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 AI Health Symposium
November 14th – 15th 2023

November 14th
Day 1

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
Abbeed Sarker – Biomedical Informatics, Emory University
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

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

8:30 - 9:00 am
Breakfast
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