

# Emory AI Health Symposium

November 14<sup>th</sup> – 15<sup>th</sup> 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

 Georgia Tech  Wallace H. Coulter Department of  
Biomedical Engineering

 EMORY  
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# Emory AI Health Symposium

November 14<sup>th</sup> – 15<sup>th</sup> 2023

November 14<sup>th</sup>  
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*

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**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

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**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

Geoffrey Smith – Pathology and Laboratory Medicine, Emory University

**Moderator:**

Hari Trivedi – Radiology and Imaging Services, Emory University

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**Coffee Break (15 m)**

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**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

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## Lunch and Poster Session

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**12:45 - 1:15 pm:**

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

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**1:45 - 2:30 pm**

## Session 3: Radiology

### Presenters:

Hui Mao – Radiology and Imaging Sciences, 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

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**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

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**End of Day 1**

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Day 2



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

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**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

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**Coffee Break (15 m)**

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**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

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**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

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## Closing Remarks and Thanks

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

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