

Twenty-Seventh Annual
Thomas A Pitts Memorial Lectureship
In Medical Ethics

Artificial Intelligence in Health Care: Ethical Implications



February 19, 2021

Medical University of South Carolina, Charleston, South Carolina

Presented by the:

Medical University of South Carolina Institute of Human Values in Health Care

South Carolina Clinical and Translational Research Institute

Office of Humanities

Office of Continuing Medical Education, College of Medicine

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Changing What's Possible

27th Annual Thomas Pitts Lectureship in Medical Ethics

Artificial Intelligence in Health Care: Ethical Implications

February 19, 2021

8:00 **Welcome**

Lisa Saladin, PhD, Executive Vice President for Academic Affairs and Provost, Medical University of South Carolina

8:05 **Introductory Comments**

Hamilton Baker, MD, FACC, Associate Professor of Pediatrics, Lectureship Director

INTRODUCTORY LECTURE

8:15 **AI Primer: A Definition of Artificial Intelligence and its Role in Health Care**

Jihad Obeid, MD, Endowed Chair of Biomedical Informatics, Clinical Effectiveness & Patient Safety, MUSC Biomedical Informatics Center

SESSION I: PRIVACY: IS MY DATA YOUR DATA? AI'S IMPACT ON HEALTH CARE DATA PRIVACY

8:45 **Luciano Floridi, PhD**, Professor of Philosophy and Ethics of Information, Director, Digital Ethics Laboratory, University of Oxford
Data Privacy and Ownership: Everyone the Right to Opt Out or Be Compensated

9:15 **Discussion Panel with Audience Q&A (Obeid / Floridi)**

9:30 **COFFEE BREAK**

SESSION II: LIABILITY: AI'S IMPACT ON THE LIABILITY ECOSYSTEM OF HEALTH CARE

9:45 **Sara Gerke, JD, MA (Medical Ethics and Law)**, Research Fellow, Medicine, Artificial Intelligence, and Law, Harvard Law School, Petrie-Flom Center

When Something Goes Wrong Who Is to Blame: Man, Machine or Both?

10:00 **Audience Q&A**

10:15 **Oscar C. Marroquin, MD, FACC**, Chief Clinical Analytics Officer, University of Pittsburgh Health Services Division; Associate Professor of Medicine, Department of Medicine, University of Pittsburgh School of Medicine

Is It Ethical to Allow Humans to Make Decisions that Machines Can Make Better?

10:30 **Audience Q&A**

10:45 **Matthew Lungren MD MPH**, Co-Director, Stanford Center for Artificial Medicine and Imaging Associate Professor, Department of Radiology, Stanford University School of Medicine, Lucile Packard Children's Hospital

Erosion of Clinician Knowledge and Skill: As Machines Do It Better, Will Clinicians Skills Atrophy?

11:00 **Discussion Panel with Audience Q&A (Gerke/Marroquin/Lungren)**

11:30 **Lunch**

SESSION III: BIAS: HOW TO IDENTIFY THE GHOST IN THE MACHINE

12:30 **Gretchen Purcell Jackson, MD, PhD**, Vice President and Chief Science Officer, IBM Watson Health; Professor of Surgery, Pediatrics, and Biomedical Informatics, Vanderbilt University Medical Center

Socioeconomic and Racial Bias – How Will Engagement via Mobile AI Technologies Affect Patients?

12:45 **Audience Q&A**

1:00 **Elizabeth Kaziunas**, Postdoctoral Researcher, New York University; AI Now Institute

Is Algorithmic Bias Harder to Detect and Understand Than Our Own Human Bias?

1:15 **Discussion Panel with Audience Q&A (Jackson/Kaziunas)**

1:45 **COFFEE BREAK**

SESSION IV: TRUST: AI EXPLAINABILITY, REGULATION, & CLINICAL IMPLEMENTATION

2:00 **Cansu Canca, PhD**, Founder and Director, AI Ethics Lab, Cambridge Massachusetts

Embedding Ethics Throughout the Process of AI Tool Development in Health Care, from Beginning to End

2:15 **Audience Q&A**

2:30 **Anthony C. Chang, MD, MBA, MPH, MS** Chief Intelligence and Innovation Officer, Medical Director, The Sharon Disney Lund Medical Intelligence and Innovation Institute (MI3), Children's Hospital of Orange County

The Impact of AI on Local and Global Health Disparities

2:45 **Discussion Panel with Audience Q&A (Canca/Chang)**

3:15 **Closing Remarks: Hamilton Baker**

3:30 **Adjournment**