

INVITATION

SYMPOSIUM ON AI AND MEDICINE: PROMISES AND LIMITS

The French National Academy of Medicine, the Health Data Hub, the MIT Computer Science and Artificial Intelligence Lab (CSAIL) and the MIT Institute for Medical Engineering and Science (IMES) are organizing a symposium on AI and Medicine: Promises and Limits. It will be held by videoconference, in English, on **May 5 and 6, 2021 from 3pm to 7pm each day**, Central European Time (CET).

Clinicians and experts at the crossroads of AI and medicine from the United States and France will come together to jointly discuss topics that can facilitate collaboration and help better understand approaches on both sides of the Atlantic. The goal is also to better understand the possibilities and realities of AI, as well as the needs of patients.

[Free registration here \(required to attend the event\)](#)

Each session will begin with an introduction by a moderator, followed by presentations from each speaker, and conclude with a panel discussion. The conversation will be centered on case studies that will highlight the different approaches to clinical care and regulation in the EU and USA. The **provisional program** of the symposium is as follows:

Wednesday, May 5, 2021

Artificial Intelligence and Clinical Practice

3pm Symposium opening welcome: Pr. Bernard Charpentier, Président, National Academy of Medicine, Pr. Rafael Reif, President, MIT

3:10pm Introductory Remarks for Day 1 : Pr. Daniela Rus, Director, CSAIL, MIT

3:15-4:20pm Image-guided Clinical Practice

- Moderator : Pr. Nathalie Lassau (IGR)
- Panel : Pr. Dimitrios Fotiadis (Univ. of Ioannina), Dr. Christophe Lecas (Heartflow), Dr. Ninon Burgos (CNRS)

4.30-5.35pm AI and Robots in Clinical Decision Making and Intervention

- Moderator : Pr. Daniela Rus (MIT)
- Panel : Dr. Ozanan Meireles (MGH), Dr. Pierre Jannin (Univ. Rennes), Pr. Dimitris Bertsimas (MIT)

5.45-6.45pm Cells and Tissues

- Moderator : Pr. Cécile Badoual (Univ. Paris Descartes)
- Panel : Pr. David N. Louis (MGH), Pr. Ed Boyden (MIT)

6:45-7:00pm Take home message Day 1 : Pr. Elazer Edelman, Director, IMES, MIT

Thursday, May 6, 2021

Ethical and Regulatory Issues

3pm Introductory Remarks for Day 2: Cédric Villani, Academy of Sciences, Member of the French Parliament, Fields Medallist and Pr. Bernard Nordlinger, National Academy of Medicine

3:10-4:10pm Data Regulation and Policies

- Moderator : Dr. Daniel Weitzner (MIT)
- Panel : Jeanne Bossi-Malafosse (Delsol Avocats), Pr. Nicholson Price (Univ. of Michigan)

4:20-5:20pm Ethics and AI for Medicine

- Moderator : Pr. Glenn Cohen (Harvard University)
- Panel : Dr. Claude Kirchner (CCNE), Speaker TBD

5:30-6:30pm Health Data : Acces and Applications

- Moderator : Pr. Bernard Nordlinger (National Academy of Medicine)
- Panel : Dr. Emmanuel Bacry (Health Data Hub), Pr. David Sontag (MIT)

6:35-6:50pm Take home message Day2 : Dr. Emmanuel Bacry, Chief Scientific Officer, Health Data Hub

6:50-7:00pm Closing statements from the organizing

Organizing Committee :

Bernard Nordlinger
Professor of Surgery
Member of the National Academy of Medicine
Président of CESREES (Ethics and scientific committee for research, studies and evaluations in health)

Daniela Rus
Andrew (1956) and Erna Viterbi Professor of electrical engineering and computer science
Director, Computer Science & Artificial Intelligence Lab (CSAIL)
Deputy Dean of Research, Schwarzman College of Computing
Massachusetts Institute of Technology

Emmanuel Bacry
Chief Scientific Officer, Health Data Hub
Senior Researcher - CNRS - Université Paris-Dauphine, PSL
Chair holder PR[AI] RIE

Elazer R. Edelman, MD, PhD, FACC
Edward J. Poitras Professor, Medical Engineering and Science
Director, Institute for Medical Engineering and Science, Massachusetts Institute of Technology
Professor of Medicine, Harvard Medical School
Senior Attending Physician Brigham and Women's Hospital

Rina Spence
Computing and Global Health Lead
Schwarzman College of Computing
Massachusetts Institute of Technology