

# GeMAIHc 2027

1st International School on  
Generative & Multimodal AI for Healthcare

1-5 FEB  
2027



Human Technopole & MIND  
Milano Innovation District, Italy



## Keynotes



**Deborah Estrin, Cornell University**  
Transforming Longitudinal Care with Digital Biomarkers and Therapeutics



**Lyle Palmer, Adelaide University**  
Deep Learning in Medicine: Some Lessons from Epidemiology and Genomics

## Courses



**Pierre Baldi, University of California Irvine**  
[introductory/advanced] The AI-driven Healthcare of the Future



**David Buckeridge, McGill University**  
[intermediate] Multi-Modal Data Analysis in Population and Public Health



**Alejandro Frangi, University of Manchester**  
[intermediate/advanced] Virtual Patient Populations for In Silico Trials Using Generative AI Based on Multimodal Real-World Data



**Charles Friedman, University of Michigan**  
[introductory] Synergizing AI and Learning Health Systems to Transform Health



**Judy Wawira, Gichoya Emory University**  
[introductory/advanced] Combination in a Hands on Lab for Harmonizing Radiology Datasets



**Maryellen Giger, University of Chicago**  
[introductory/intermediate] Role of Data & Algorithms in Trustworthy Medical Imaging AI



**Casey Greene, University of Colorado**  
[introductory/advanced] Translating Generative AI into Healthcare from Pharmacogenomics to Foundation Models



**Tina Hernandez-Boussard, Stanford University**  
[intermediate/advanced] The AI Lifecycle in Healthcare: Evaluation, Deployment, and Responsible Implementation



**Jianying Hu, IBM Thomas J. Watson Research Center**  
[intermediate/advanced] Advanced Computing for Biomedical Research and Discovery



**Jayashree Kalpathy-Cramer, University of Colorado**  
[introductory] Toward Digital Twins: Multimodal AI for Imaging and Precision Medicine



**Alex John London, Carnegie Mellon University**  
[intermediate/advanced] Ethical and Scientific Challenges to Unlocking the Clinical Value of Artificial Intelligence



**Asoke Nandi Brunel, University of London**  
[introductory/advanced] Selected Case Studies of Medical Image Segmentation



**Tom Pollard, Massachusetts Institute of Technology**  
[introductory/intermediate] Data: The Foundation, Constraint, and Failure Mode of Deployable Health AI



**Hoifung Poon, Recursion**  
[advanced] Toward Virtual Patient: AI for Accelerating Medical Discovery



**Jian Tang, Mila-Québec AI Institute**  
[introductory/advanced] Generative AI for Protein Design



**Peter van Ooijen, University of Groningen**  
[intermediate] Multimodal AI for Adaptive Radiotherapy: Tumor Segmentation, Uncertainty, and Explainability



**Karin Verspoor, Royal Melbourne Institute of Technology**  
[introductory/intermediate] AI Scientists and beyond: Roles for GenAI in Biomedical Research and Discovery



**Jelmer M. Wolterink, University of Twente**  
[intermediate/advanced] Data Representations in Health Digital Twinning: From Features to Foundation Models



Human Technopole will organize 3 scientific sessions:

- Probabilistic Models for (Medical) Image Analysis - Jan Funke, Florian Jug, Federico Carrara, Benjamin Salmon
- AI Models for Computational Biology - Andrea Sottoriva, Michele Calabrò, Manuel Dileo
- AI in Health Data Science - Francesca Ieva, Andrea Ganna, Michela Carlotta Massi, Nicole Fontana, Alessia Mapelli