

**DAY 1: 21<sup>st</sup> March 2024**

**09:00 - 09:40**      **Greetings from authorities**

**09:40 - 10:40**      **PLENARY SESSION**

KEYNOTE 1:

**Mihaela van der Schaar**

*University of Cambridge, UK*

**Pushing Medical Frontiers: AI-Driven Breakthroughs in Medicine**

**Yael Ophir**

*Israel Innovation Institute, Israel*

**From Hype to Ripe: Implementing AI in Health Systems**

**10:40 - 11:00**      **Coffee Break**

**11:00 - 12:15**      **SESSION 1: The central role of data**

**Tianxi Cai**

*Harvard Medical School, Boston, USA*

**Crowdsourcing with Multi-institutional EHR to Improve Reliability of Real World Evidence - Opportunities and Challenges**

**Manlio De Domenico**

*University of Padova, Italy*

**Complexity in health and disease: a network perspective to personalized medicine**

**Björn Eskofier**

*Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany*

**AI for Future Digital Healthcare: Towards Decentralized Care**

**12:15 - 12:40**      **Flash Posters**

**12:40 - 14:00**      **LUNCH & POSTER SESSION**

**14:00 - 15:45**      **SESSION 2: AI for precision medicine**

**Matej Oresic**

*Orebro University, Sweden*

**Exposomics approach as a tool to predict and prevent the disease**

**Jens Rittscher**

*University of Oxford, United Kingdom*

**Beyond genomics - AI as an enabler for next-generation pathology**

**Fabio Vandin**

*University of Padova, Italy*

**AI in Cancer Genomics: Challenges and Future**

Davide Risso

*University of Padova, Italy*

**Statistical modeling of spatial transcriptomics data**

Mario Luca Morieri

*University of Padova, Italy*

**Unmet clinical need: the role of AI in clinical decision and support system**

**15:45 - 16:10**

**Coffee Break**

**16:10 - 16:50**

**SESSION 3: Ethics, Regulations, Fairness, and Explainability**

Giusella Finocchiaro

*University of Bologna, Italy*

**AI and regulations**

Alessandro Fabris

*Max Planck Institute for Security and Privacy, Bochum, Germany*

**More than an afterthought: don't make AI fair, make fair AI**

Fabio Grigenti

*University of Padova, Italy*

**Risks and reliability. The European way in the ethical regulation of AI.**

Guglielmo Tamburrini

*University of Naples, Italy*

**AI task autonomy and the ethics of medical supervision**

**16:50 - 17:30**

**ROUND TABLE**

Giusella Finocchiaro, Alessandro Fabbris,

Fabio Grigenti, Guglielmo Tamburrini

**17:30**

**CLOSING**

**18:00**

**Conference reception event**

**DAY 2: 22<sup>nd</sup> March 2024**

**09:00 - 09:40 PLENARY SESSION**

**KEYNOTE 2:** Alessandro Doria  
*Harvard Medical School, Boston, USA*  
**Leveraging genetics for AI-based personalized medicine of common multifactorial disorders**

**09:40 - 11:00 SESSION 4: Explainable, Actionable, and Responsible AI**

Carlo Combi  
*University of Verona, Italy*  
**Explainable AI in Medicine: towards a foundational definition**

Panagiotis Papapetrou  
*Stockholm University, Sweden*  
**Explainable and reliable AI for healthcare**

Pietro Lió  
*University of Cambridge, UK*  
**Actionable and responsible AI in medicine**

**11:00 - 11:20 Coffee Break**

**11:20 - 12:35 SESSION 5: AI for preventive medicine**

Lorenzo Chiari  
*University of Bologna, Italy*  
**The DARE initiative: a national flagship on digital prevention**

Michele Piana  
*University of Genova, Italy*  
**Multi-scale computational modelling of oncological and neurological data**

Dario Gregori  
*University of Padova, Italy*  
**Wearable devices in clinical research and prevention**

**12:35 - 14:00 LUNCH & POSTER SESSION**

**14:00 - 14:35 PLENARY SESSION**

**KEYNOTE 3:** Sebastien Ourselin  
*King's College London, UK*  
**Learning across 16M patients: platforms and applications in acute care"**

**14:35 - 16:15**

**SESSION 6: AI applications**

Henning Müller

*HES-SO Valais Techno-Pôle, Switzerland*

**AI for medical image analysis: "ExaMode and beyond"**

Filippo Lanubile

*University of Bari, Italy*

**Machine Learning Development Operations (MLOps) for healthcare**

Barbara Di Camillo

*University of Padova, Italy*

**Bringing AI into clinical practice: A Deep Dive into the BRAINTEASER Project**

Tommaso Banzato

*University of Padova, Italy*

**AI in Veterinary Medicine: a potential bridge between Human and Veterinary Healthcare**

Marco Zorzi

*University of Padova, Italy*

**AI in Stroke Neuroimaging: from brain to behaviour**

Alfonso Pozzan

*Evotec*

**AI and Machine Learning in drug discovery**

**16:25 - 17:00**

**CLOSING**

**17:00**

**END**