

MILAN, ITALY  
**MAY 5**  
**2023**  
 & ONLINE

# ARTIFICIAL INTELLIGENCE FOR ONCOLOGY

PRESIDENT OF THE CONFERENCE:  
**Arsela Prelaj**

UNDER THE AUSPICES OF



**POLITECNICO**  
 MILANO 1863

## SCIENTIFIC PROGRAM

**09:30** Welcome and Introduction  
 F. de Braud-Milan  
 G. Apolone-Milan  
 A. Prelaj-Milan

### SESSION 1

**BACKGROUND ON AI METHODOLOGIES AND THEIR USE IN THE CLINICAL PRACTICE**

CHAIRS: L. Mazzeo-Milan,  
 V. Miskovic-Milan,  
 A. Prelaj-Milan

**09:50** Machine Learning for real-world data analysis  
 F. Trovò-Milan

**10:10** Deep Learning models for imaging and genomics  
 J. Vibert-Paris

**10:30** Explainable Trustworthy AI: translating AI into the clinical practice  
 A.L.G. Pedrocchi-Milan

**10:50** Discussion

### SESSION 2

**AI MODELS USHERING IN A NEW AGE FOR IMAGING IN ONCOLOGY**

CHAIRS: L. Agnelli-Milan,  
 M. Boeri-Milan,  
 A. Cicchetti-Milan

**11:10** Digital pathology -bolstering its impact through AI toolsets  
 J. Dolezal-Chicago

**11:30** Radiomics applications of AI for cancer research  
 R. Pérez Lopez-Barcelona

**11:50** AI as a double reader on images from screening programs  
 U. Pastorino-Milan

**12:10** Discussion

**12:30** Lunch Break

### SESSION 3

**HARNESSING THE POWER OF AI FOR MULTIOMICS DATA INTEGRATION AND DISCOVERY**

CHAIRS: C. M. Della Corte-Naples,  
 R. Ferrara-Milan,  
 G. Viscardi-Naples

**13:30** Multiomics data and predictive AI for cancer immunotherapy  
 S. Shah-New York

**13:50** AI supporting the discovery of new molecules and biomarkers  
 A.T. Pearson-Chicago

**14:10** AI-based multimodal data integration applied to oncology  
 J. N. Kather-Dresden

**14:30** Discussion

### SESSION 4

**ADAPTING DATA STORAGE MODELS AND REGULATORY FRAMEWORKS TO THE AI PARADIGM**

CHAIRS: S. Damian-Milan,  
 M. Ganzinelli-Milan,  
 S. Kosta-Copenhagen

**14:50** Innovative data repositories and platforms designs  
 R. L. Grossman-Chicago

**15:10** AI-powered wearables and medical devices for novel endpoints monitoring  
 E. Ambrosini-Milan

**15:30** Specifics of the regulatory and cybersecurity frameworks in the AI field  
 E. Biasin-Leuven

**15:50** Discussion

**16:15** Coffee break

### SESSION 5

**BEYOND REAL-LIFE IMPLEMENTATION, NEW AVENUES FOR INNOVATION**

CHAIRS: C.Genova-Genoa,  
 G. Lo Russo-Milan,  
 C. Proto-Milan

**16:30** AI to accelerate clinical trials' design and implementation  
 M.C. Garassino-Chicago

**16:50** Applied AI projects - the I3LUNG Horizon Europe project and the Apollo 11 Master Protocol  
 A. Prelaj-Milan,  
 A. Vingiani-Milan

**17:10** Beyond AI: Quantum Science  
 L. Gagliardi-Chicago

**17:30** Discussion

**17:50** **ROUND TABLE**  
 How to effectively exploit Big Data and AI innovation in oncology?  
 Finding common ground for academic, policy makers and industry stakeholders

CHAIRS: A. De Toma- Varese,  
 D. Signorelli-Milan

DISCUSSANT: P. Auletta-Milan,  
 L. Castelo Branco-Algarve,  
 D. Monzani-Palermo

**18:20** Take-home messages  
 A. Prelaj-Milan

## GENERAL INFORMATION

**VENUE**  
 Aula Magna  
 Fondazione IRCCS  
 Istituto Nazionale Tumori  
 Via Giacomo Venezian, 1  
 Milan (Italy)

**REGISTRATION**  
 Registration is free of charge  
**You may register for IN-PERSON OR ONLINE-ONLY ACCESS**  
[www.events-communication.com/event/ai](http://www.events-communication.com/event/ai)

**OFFICIAL LANGUAGE**  
 The official language is English

**OFFICIAL TIME**  
 The official Time is Central European Summer Time (CEST), UTC +2

**CME CREDITS**  
 CME accreditation (valid for Italian participants only) for: PHYSICIAN, PHARMACIST, BIOLOGIST, NURSE

**CME credits in presence:**  
 Nr. 6,00 - ID event: 372599

**CME credits online:**  
 Nr. 9,00 - ID event: 372613  
 Italian CME credits will be granted to those participants who attend at least 90% of scientific works, fill in the questionnaire assessment of perceived quality and duly fill in the evaluation questionnaires answering correctly 75% of the questions.

**SCIENTIFIC PROVIDER AND CONGRESS ORGANIZER:**  
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