

## Faculty

**Marta Brambilla**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Federica Corso**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Filippo De Braud**, Fondazione IRCCS Istituto Nazionale Tumori, Milano, Italy

**Alberto Ferrarin**, Fondazione IRCCS Istituto Nazionale Tumori, Milano, Italy

**Luca Invernizzi**, Fondazione IRCCS Istituto Nazionale Tumori, Milano, Italy

**Jakob Kather**, Technical University of Dresden, Germany

**Vincenzo L'Imperio**, Azienda Ospedaliera San Gerardo, Monza, Italy

**Giuseppe Lo Russo**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Antonio Marra**, IEO Istituto Europeo di Oncologia, Milano

**Laura Mazzeo**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Vanja Miskovic**, Fondazione IRCCS Istituto Nazionale dei Tumori and Politecnico di Milano DEIB, Milan, Italy

**Mario Occhipinti**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Alessandra Pedrocchi**, Politecnico di Milano DEIB, Milano, Italy

**Raquel Perez-Lopez**, VHIO Radiomics Group, Barcelona, Spain

**Filippo Pesapane**, Istituto Europeo di Oncologia, Milano, Italy

**Arsela Prelaj**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Claudia Proto**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

**Giovanni Scoazec**, ESAC – European Interdisciplinary Society for AI in Cancer Research

**Francesco Trovò**, Politecnico di Milano DEIB, Milano, Italy

**Daniel Truhn**, Aachen University Hospital, Germany

**Roberto Vespignani**, Istituto Tumori della Romagna IRCCS, Meldola, Italy

**Giuseppe Viscardi**, Azienda Ospedaliera Monaldi Cotugno Cto, Università degli Studi della Campania Luigi Vanvitelli, Napoli, Italy

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Fondazione IRCCS  
Istituto Nazionale dei Tumori



Regione  
Lombardia



# Post Esmo AI

ESAC perspective  
from Berlin to Milan

SCIENTIFIC DIRECTOR

**Arsela Prelaj**



**24<sup>th</sup>**  
November  
**2025**  
**Milan**

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Sistema Socio Sanitario

## Overview

Artificial Intelligence (AI) is revolutionizing oncology, since it offers groundbreaking tools to improve diagnosis, prognosis, and cancer treatment. Several topics must be analyzed and explored, i.e.:

- Understanding the fundamentals of AI: introducing AI principles and its main applications in healthcare;
- Exploring the implementation of AI in cancer diagnostics: analyzing how tools such as radiomics and digital pathology are improving diagnostic accuracy and workflow efficiency;
- Assessment of multimodal integration of data: discussing the relevance of combining several data types (clinical, genomic, and imaging data) by implementing AI to make clinical decisions.
- Exploring ethical and regulatory aspects: facing ethical, legal, and law implications related to AI implementation in oncology.

## Scientific Directors

**Arsela Prelaj, MD, PhD, Medical Oncologist, Thoracic Oncology Unit, Department of Medical Oncology, Fondazione IRCCS Istituto Nazionale Tumori, Milano, PhD in Bioengineering and Artificial Intelligence, Politecnico di Milano, Member of the ESMO Working Group on Real World Data and Digital Health**

## Cme Credits

CME accreditation (valid for Italian participants only) for: Medical Doctor, Pharmacist, Biologist, Nurse, Physicist, Chemist, Biomedical Laboratory Technician, Medical Radiation Technologist.

RES ID CME 460038 CME credits: 4,2

FAD ID CME 460048 CME credits: 9

Educational objective: 29 - Technological innovation: assessment, process improvement in the management of biomedical, chemical, physical technologies and of medical devices. Health Technology Assessment.

Italian CME credits will be granted to those participants who attend at least 90% of scientific works, II in the questionnaire assessment of perceived quality and duly II in the evaluation questionnaires answering correctly 75% of the questions.

## Registration

Registration is free of charge. You may register for: IN-PERSON OR ONLINE-ONLY ACCESS

[www.events-communication.com/event/postesmoai](http://www.events-communication.com/event/postesmoai)

For information:

[segreteria@events-communication.com](mailto:segreteria@events-communication.com)

## Congress Venue

**Aula G - Fondazione IRCCS Istituto Tumori**

Via Giacomo Venezian, 1

20133 Milan (Italy)

## Scientific Program

**10.00** Registration

**10.30** Welcome and overview

**Filippo de Braud, Arsela Prelaj**

### SESSION I

**Chairs: Giuseppe Lo Russo, Alessandra Pedrocchi**

**10:45 TALK**

Useful radiological imaging tools for diagnosis and screening: how they are integrated in clinic?

**Filippo Pesapane**

**11.05** Discussion

**11:15 TALK**

How can we improve treatment prediction with radiomics and make it reality?

**Raquel Perez-Lopez**

**11.35** Discussion

### SESSION 2

**PATHOMICS AND INFRASTRUCTURES**

**Chairs: Marta Brambilla, Mario Occhipinti**

**11:45 TALK**

How to integrate the Digital Pathology workflow and genomics screening

**Vincenzo L'Imperio**

**12.05** Discussion

**12:15 TALK**

AI factories: The infrastructure for Next-Generation Medical AI Models

**Daniel Truhn**

**12.35** Discussion

**12:45** LUNCH

### SESSION 3

**Chairs: Claudia Proto, Roberto Vespignani**

**13.45 TALK/DEMO**

How to explain the Multimodal models: from their integration to the usability

**Vanja Miskovic**

**14.20** Discussion

**14.30 SPECIAL TALK**

Reinforcement learning to optimize patient journey

**Francesco Trovò**

**14.50** Discussion

### SESSION 4

**Chairs: Arsela Prelaj, Antonio Marra**

**15:00 KEYNOTE LECTURE**

AI Agents and Superhumans: the future in healthcare

**Jakob Kather**

**15.30** Discussion

**15.40** COFFEE BREAK

**16:00 WORKSHOP**

LLMs and AI agents

**Federica Corso, Alberto Ferrarin, Luca Invernizzi, Laura Mazzeo, Giovanni Scoazec, Giuseppe Viscardi**

**17.45** Sum of workshop results and Closing Remarks

**Arsela Prelaj**

