

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, Italy
- Laura Mazzeo**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy
- Vanja Miskovic**, Fondazione IRCCS Istituto Nazionale dei Tumori and Politecnico di Milano DEIB, Milano, 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**, IEO 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
- Rebecca Romanò**, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy
- Giovanni Scoazec**, ESAC – European Interdisciplinary Society for AI in Cancer Research, Milano, Italy
- 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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Post Esmo AI

ESAC perspective from Berlin to Milan

SCIENTIFIC DIRECTOR

Arsela Prelaj


24th
November
2025
Milan

ORGANIZED BY



Fondazione IRCCS
Istituto Nazionale dei Tumori



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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 Director

Arsela Prelaj, Esac President, MD, PhD, Medical Oncologist, Thoracic Oncology Unit, Department of Medical Oncology, Fondazione IRCCS Istituto Nazionale Tumori, Head Of Artificial Intelligence for Oncology Lab, Milano, Italy

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, fill in the questionnaire assessment of perceived quality and duly fill 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
For information: segreteria@events-communication.com

Congress Venue

Aula G - Fondazione IRCCS Istituto Tumori
Via Giacomo Venezian, 1
20133 Milan (Italy)



Scientific Program

10.00 Registration and welcome coffee

10.30 Welcome and overview
Arsela Prelaj

Gustavo Galmozzi,
President - Fondazione IRCCS INT (invited)
Maria Teresa Montella,
General Director Fondazione IRCCS INT
Giovanni Apolone,
Scientific Director, Fondazione IRCCS INT (invited)
Filippo de Braud,
Director Dpt. of Oncology and Hemato-Oncology, Fondazione IRCCS INT
Emanuele Monti
Presidente IX Commissione Permanente Sostenibilità Sociale, Casa e Famiglia Regione Lombardia

SESSION 1

RADIOLOGICAL IMAGES

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

MULTIMODAL AND REINFORCEMENT LEARNING
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

AI AGENTS

Chairs: Antonio Marra, Rebecca Romanò

15.00 KEYNOTE LECTURE
AI agents and superhumans: the future in healthcare
Jakob Kather

15.30 Discussion

15.40 WORKSHOP
LLMs and AI agents
Federica Corso, Alberto Ferrarin, Luca Invernizzi, Laura Mazzeo, Giovanni Scoazec, Giuseppe Viscardi

17.25 Sum of workshop results and closing remarks
Arsela Prelaj