



FOCUS on

TOP

Translational
Oncology and
Precision Medicine
in Breast Cancer

Udine, March 17 - 18, 2025



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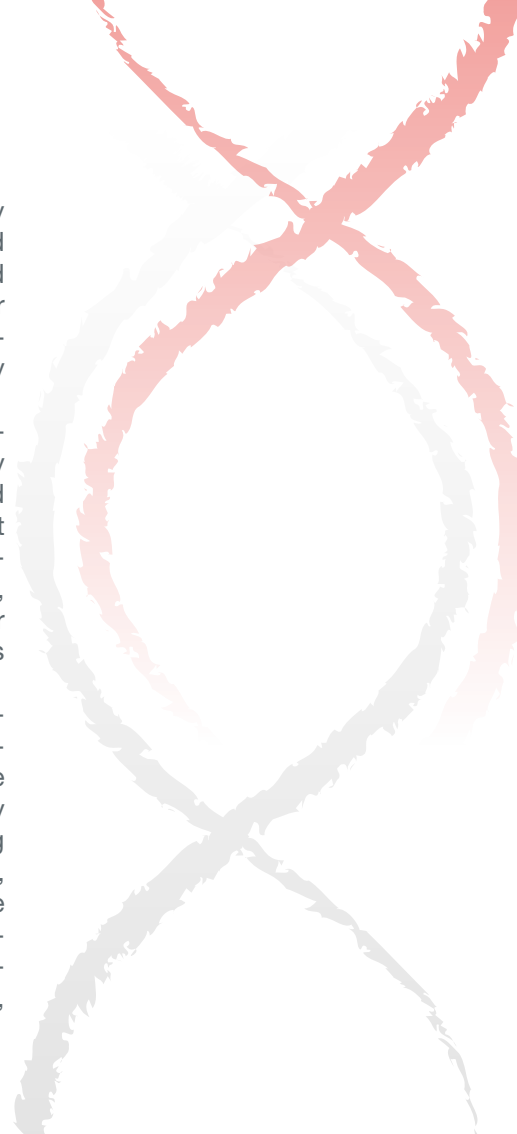
SOCIETÀ ITALIANA DI FARMACOLOGIA

Focus on TOP: Driving Collaborative Innovation in Precision Medicine

The “Focus on TOP” symposium is designed to address the rapidly evolving landscape of breast cancer management, which has shifted toward a personalized treatment paradigm. With advances in targeted therapies and biomarker development—ranging from circulating tumor cells (CTCs) to circulating tumor DNA (ctDNA), next-generation sequencing, and multi-omics—the field demands collaborative, interdisciplinary solutions to harness these complex tools for clinical impact.


It will feature presentations from key opinion leaders, highlighting cutting-edge research areas such as the CRD concept for CTCs in early breast cancer, next-generation sequencing applications to ctDNA, and the integration of CTCs and ctDNA as part of a sophisticated treatment algorithm in the advanced setting. Moreover, new approaches in interpreting cancer’s multifaceted relationship with the host will be discussed, such as role of the microbiota in modulating immunotherapy response or the incorporation of volatilomics, metabolism as part of novel biomarkers and screening strategies.

A centerpiece of the symposium is the PORTRAIT Workshop, an interactive, hands-on session held in Day 1 designed to foster active engagement with critical areas in bridging translational oncology to the clinic. The Networking Lunch, held on Day 2, is an integrated extension of the Day 1 Workshop, offering an informal but focused platform for brainstorming and in-depth analysis. Participants will join thematic discussion tables, each led by two expert mentors, to explore practical applications of the insights gained from Day 1. These structured discussions, featuring a diverse group of clinicians, researchers, and emerging leaders, aim to promote cross-disciplinary synergy and inspire new research collaborations, advancing precision oncology with an inclusive and equitable approach.



Ruben	ARMANANZAS ARNEDILO	Navarra
Marta	BONOTTO	Udine
Giulia	BRISOTTO	Aviano
Giulia	BUZZATTI	Genova
Massimo	CRISTOFANILLI	New York
A. Andrew	DAVIS	St. Louis
Carmine	DE ANGELIS	Napoli
Marzia	DEL RE	Pisa
Maria Vittoria	DIECI	Padova
Manuela	FERRACIN	Bologna
Anna	FERRARI	Meldola
Gian Luca	FORESTI	Udine
Giulia	GALLERANI	Bologna
Lorenzo	GERRATANA	Aviano, Udine
Nawale	HAJJAJI	Lille
Umberto	MALAPELLE	Napoli
Fruzsina	MOLNAR-GABOR	Heidelberg
Tomás	PASCUAL	Barcellona
Jean-Yves	PIERGA	Parigi
Francesca	PIRINI	Meldola
Letizia	PONTOLILLO	New York
Fabio	PUGLISI	Aviano, Udine
Mattia	REDITI	Milano
Carolina	REDUZZI	New York
Rossana	RONCATO	Udine
Shai	ROSENBERG	Gerusalemme
Marcella	TAZZARI	Meldola
Gianluca	TELL	Udine
Dario	TRAPANI	Milano
Claudio	VERNIERI	Milano
Mic,hele	ZANONI	Meldola



			SESSION	TITLE	SPEAKER	CHAIRPERSONS	
DAY 1	13	30	Registration				
	14	00	Introduction				
	14	15	LIQUID BIOPSY	CTCs in early breast cancer: the CRD concept	Carolina Reduzzi	Massimo Cristofanilli Fabio Puglisi	
	14	35		The new generation next generation sequencing applied to ctDNA	Umberto Malapelle		
	14	55		CTCs and ctDNA as an integrated algorithm tool	Jean-Yves Pierga		
	15	15		Discussion			
	15	45		Multi-omics clinical frameworks and timing	Innovative organoid-integrated studies	Marta Bonotto Gianluca Tell	
				Data collection and management for multi-omics analysis	Liquid biopsy-based clinical trial designs		
		Clinical actionability for omics integration		The role of the microbiota in personalized therapy			
17	30	ROUND TABLE	Panel: Ruben Armañanzas Massimo Cristofanilli Andrew A Davis	Marzia Del Re Lorenzo Gerrataana Nawale Hajjaji	Umberto Malapelle Tomás Pascual Francesca Pirini		Fabio Puglisi Carolina Reduzzi Claudio Vernieri
18	00	PORTRAIT investigators meeting*					
DAY 2	08	00	Registration				
	08	30	Introduction				
	8	40	VOLATILOMICS, METABOLISM AND MICROBIOTA	Volatilomics: the basis for next generation screening?	Nawale Hajjaji	Maria Vittoria Dieci TBD	
	9	00		Metabolism and cancer, a multifaced relationship	TBD		
	9	20		Hacking immunotherapy through the microbiota	Francesca Pirini		
	9	40		Discussion			
	10	10	COFFEE BREAK				
	10	30	TRANSCRIPTOMICS	New gene expression investigations	Mattia Rediti	Manuela Ferracin Anna Ferrari	
	10	50		How transcriptomics can be bridged to the clinic	Tomás Pascual		
	11	10		Discussion			
	11	35	ARTIFICIAL INTELLIGENCE AND BIG DATA	Integration of multi dimensional clinical data	Ruben Armañanzas	Gian Luca Foresti Claudio Vernieri	
	11	55		Non canonical applications of Large Language Models	Shai Rosenberg		
	12	15		Discussion			
	12	40	NETWORKING LUNCH	Liquid biopsy-based trials designs	Lorenzo Gerrataana - Marzia Del Re		
			Organoids and CTCs coltures	Michele Zannoni - Giulia Gallerani			
			Immunotargets and Microbiota	Francesca Pirini - Marcella Tazzari			
			Precision medicine and pharmaco-personalization	Giulia Buzzatti - Rossana Roncato			
			Metabolism and volatilomics	Claudio Vernieri - TBD			
			Non canonical CTCs applications	Giulia Brisotto - Carolina Reduzzi			
			ADCs and biomarkers	Carmine De Angelis - Letizia Pontolillo			
14	00	COFFEE BREAK					
14	15	ETHICS AND ACCESSIBILITY IN THE ERA OF PRECISION MEDICINE	Minorities and access to precision medicine	Andrew A Davis	Lorenzo Gerrataana Dario Trapani		
14	35		Ethics and rules in translational medicine	Fruzsina Molnár-Gábor			
14	55		Discussion				
15	20	Closing remarks					

SCIENTIFIC COORDINATORS

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CONGRESS VENUE

Hotel la di Moret

Viale Tricesimo
Udine - Italy

OFFICIAL LANGUAGE

English. Simultaneous translation will not be provided

ORGANIZING SECRETARIAT

Meeting Srl

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REGISTRATION

Registration should be made on the ecm.meetingsrl.eu website. "Catalogue of courses" page - Congress card

ECM CREDITS

The event has been accredited for the following Professions: Biologist, Chemist, Medical Surgeon
Disciplines: Medical Genetics, Oncology, Nuclear Medicine, Clinical Biochemistry, Medical Genetics Laboratory, Radiodiagnostics, Pathological Anatomy, Analytical Chemistry, Chemist

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