

Summer School on Pharmaceutical Analysis 2026

Advanced Analytical Methodologies in Early Drug Discovery

Scientific Program

21st September 2026			
13.00-14.00	Registration		
14.00-14.30	Opening ceremony		
Chair: Caterina Temporini			
14.30-15.30	Opening Lecture	AI-Driven Strategies for Early Drug Discovery	Pietro Delre University of Naples Federico II, Italy
Chair: Federico Riccardi Sirtori			
15.30-16.30		Analitical Techniques In Early Drug Discovery: Regulatory Aspects	Ilaria Enrietto Merck R.B.M., Ivrea, Italy, an affiliate of Merck KGaA, Darmstadt, Germany
16.30-17.30		Multimodal Analytical Techniques For Biomolecule And Small-Molecule Characterization In Drug Discovery	Luc Garrigues Evotec Company, France
Chair: Erika Del Grosso			
17.30-17.50	PhD Presentations	Development and application of analytical methods for the characterization of snail secretion and related dermo-cosmetic formulations	Samuele Bonafe' University of Perugia, Italy
17.50-18.10		Optimization of the development of drug candidates with anticancer and antiviral activity in preparation of certified preclinical phase	Fornaseri Federico Univerity of Turin, Italy
20.30	Piadina Dinner		

22nd September 2026			
8.15-8.30	Registration		
	Molecular Recognition and Affinity		
Chair: Alessandra Altomare			
8.30-9.30		Application Of Biophysical Techniques For The Exploration Of Molecular Interactions In Drug Discovery	Diana Tegazzini Aptuit (Verona) S.r.l, an Evotec Company, Italy
9.30-10.15		Beyond Target Engagement: Using Cetsa To Decode Drug Mechanisms And Cellular Processes	Anderson Daniel Ramos ETH Zurich, Switzerland
10.15-10.45	Coffee break		

Chair: Alessandra Altomare			
10.45-12.15		Mass Spectrometry Applications For Targets And Hit Compounds Identification Applying Native Mass Spectromery For Early Drug Discovery	Ettore Gilardoni Philochem AG, Switzerland Julian Harrison ETH Zurich, Switzerland
12.15-13.30	Lunch break		
Chair: Caterina Temporini			
13.30-14.15		Probing Ligand–Protein Interactions By NMR Spectroscopy: The Example Of Rna Binding Proteins	Francesca Vasile Università degli Studi di Milano, Italy
Chairs: Manuela Bartolini			
	High-Throughput Activity profiling		
14.15-15.00		Linking Enzymatic Cell-free And Functional Cell-based Readouts: Strategies for Activity Profiling In Early Drug Discovery	Mattia Arboit Aptuit (Verona) S.r.l, an Evotec Company, Italy
15.00-15.45		LIP-MS: a Chemical Biology Toolbox for Target ID and Binding Site Mapping	Yuehan Feng Biognosys, Switzerland
15.45-16.15	Coffee break		
Chairs: Angela De Simone			
16.15-17.35		Chemometrics And MI Tools For Chemical Data Analysis: An Introduction To The Open-Source Software Cactus And Mva	Eugenio Alladio University of Turin, Italy
20.30	Social dinner		

23rd September 2026

8.15-8.35	Registration		
Chair: Angela de Simone			
8.35-8.55	PhD Presentations	Recognitive nanoparticle probes for muc1 tumor-specific Glycosylations	Khalid Ayesha University of Pavia, Italy
8.55-9.15		Redefining hyaluronic acid quantification by lc-ms: Dual isotopic calibration and access to physiologically relevant oligomer standards	Manzi Simone University of Milan, Italy
AI in Predictive Metabolism and Safety			
Chair: Erika Del Grosso			
9.15-10.15		Enabling Target Engagement: The Role Of ADME In Medicinal Chemistry Decisions	Massimo Dondio Aphad Analytical Solution S.r.L., Italy
10.15-10.45	Coffee break		
Chair: Andrea Carotti			
10.45-12.15		Predicting Sites Of Metabolism In Xenobiotics: How Far Can We Go?	Laura Goracci University of Perugia, Italy
12.15-13.30	Lunch break		
13.30-14.15		Practical session	Laura Goracci University of Perugia, Italy

Chairs: Silvio Aprile and Marina Naldi			
14.15-14.35	<i>PhD Presentations</i>	From Deglycosylation to Automated Glycoprofiling: Development of PNGase F Immobilized Enzyme Reactors	Mensah Wendy Appiagyei University of Bologna, Italy
14.35-14.55		Protein analysis by mass spectrometry	Papa Vittoria University of Turin, Italy - RBM S.p.A., an affiliate of Merck KGaA
14.55-15.15		From Winery Waste to Ready-to-Use Extracts: Sustainable NADES-Based Extraction and Advanced Analytical Profiling	Roselli Vincenzo University of Bari, Italy
15.15-15.35		Analytical and biophysical methods in drug discovery: matching high throughput screening with high content information techniques	Salerno Sofia University of Pavia, Italy
15.35-15.55		Development of integrated analytical strategies for early drug candidate selection	Spagnuolo Rosaria University of Bologna, Italy
15.55-16.15		Comparative characterization of proteins for therapeutic use isolated from whole plasma and industrial waste intermediates from plasma fractionation	Tini Aurora University of Pavia, Italy
16.15-16.30	<i>Closing remarks</i>		