



Monday 12th January 2026

14:00	14:45	Opening Session				Opening Speech
						Chair: Francesco Montanari, Samuele Bitossi
14:45	15:03	OR01	Leonardo Tacconi	38	Determination of magnetic anisotropy tensors in actinide complexes using torque magnetometry: a U(IV) case study	
15:03	15:21	OR02	Chiara Mangini	38	A Cellulose Nanocrystal based Glyconanomaterial as Innovative Platform for Precision Strategies in Cancer	
15:21	15:39	OR03	Ilaria de Santis	38	Harnessing the synergy of gold nanoparticles and lipid membranes for biomedical applications	
15:39	15:57	OR04	Laura Conti	38	Non-Lamellar Lipid Nanoparticles as Innovative Vectors for RNA Delivery	
15:57	16:27	Coffe Break				
16:27	16:39	OR05	Deborah Volontà	39	Sustainable Non-Lamellar Lipid Nanoparticles from Plant Cell Walls as Novel Gene Delivery Vectors	
16:39	16:51	OR06	Valentina Pacciani	39	Engineering Biogenic Nanoparticles via Microfluidics: Hybridization of Extracellular Vesicles with Non-Lamellar Lipid Nanoparticles	
16:51	16:59	OR07	Debora Briganti	40	Calcium Phosphate Nanoparticles with tunable size as a versatile delivery nanoplatforms	
16:59	17:07	OR08	Elisa Bianchi	40	Nanocellulose as a Support or Carrier for Biologically Active Substances	
17:07	17:25	OR09	Francesca Milano	38	Glyconanoparticles for Lysosomal Storage Diseases: Targeted Enzyme Delivery and Chaperone-Mediated Stabilization	



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17:25

17:33

OR10

Francesca Serventi

40

Stabilization of Pickering emulsions as templates for Encapsulation

17:33

End of day 1





Tuesday 13th January 2026

9:00	9:15	Opening Session				Opening of day 2
Chair: Giulia Agnoloni, Matteo Orlandi						
9:15	9:33	OR11	Andrea Sodini	38	Mannosylated Peptide Nanofibers for Antigen Delivery and Immune Stimulation	
9:33	9:51	OR12	Angela Sofia Tino	38	Fluorinated peptide ligands to explore interactions with intrinsically disordered multi-domain proteins: the case of SARS-CoV-2 nucleocapsid protein	
9:51	10:03	OR13	Silvia Bracci	39	Synthetic glycopeptide antigenic probes for antibody detection and patient stratification in MOGAD	
10:03	10:15	OR14	Georgia Myrto Prifti	39	Golgi-targeting: A promising new avenue for precision cancer therapy	
10:15	10:27	OR15	Pedro Miguel Ascenso Vieira	39	Expanding the Understanding of Pertinent Glycosyltransferases via inverse electron demand hetero Diels Alder reaction	
10:27	10:35	OR16	Livia Guiggi	40	Development of nanofibers for multivalent saccharidic antigen’s presentation	
10:35	11:30	Coffe Break & Poster Sessions				
11:30	11:38	OR17	Zhiyi Zhou	40	Conjugation strategies toward the development of carbohydrate-based vaccines against Acinetobacter baumannii	
11:38	11:46	OR18	Shima Siadohoni	40	Design, synthesis, and biological evaluation of Antiviral peptides (SARS-CoV-2): therapeutic applications	
11:46	12:04	OR19	Sara Pavone	38	Synthesis and evaluation of iminosugar-based derivatives as potential crop protection agents	



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12:04	12:22	OR20	Andrea Geri	38	Mechanistic studies on antitumor gold compounds: Decoding protein interactions and proteomic response by mass spectrometry
12:22	12:34	OR21	Alice Beni	39	Wound dressing evaluation using the current standards and development of novel testing methods
12:34	12:52	OR22	Ilaria Chiarugi	38	Design, characterization and optimization of nanostructured vectors for the delivery of siRNA
12:52	13:10	OR23	Francesca Mancusi	38	Bacterial Nanocellulose patches for transungual Drug Delivery in onychomycosis treatment via aPTD
13:10	14:00	Lunch			
Chair: Lorenzo Isidoro, Francesco Parmeggiani					
14:00	14:18	OR24	Mariano Riccardi	38	Computational study of molecular magnets adsorbed on metal surfaces
14:18	14:26	OR25	Emmanuel Baranger	40	Sergeant & Soldiers approach for chirality control in gels of supramolecular nanotubes of Single-Chain Magnets
14:26	14:44	OR26	Prem Prakash Sahu	38	Computational Insights into Magnetic and Optical Interactions in Molecular Qubits: From Isolated Phase to Condensed Phases
14:44	14:56	OR27	Marta Albanesi	39	Interfaces between magnetic molecules and superconductors
14:56	15:08	OR28	Lapo Querci	39	CISS & Tell: Mechanistic Insights and Experimental Platforms for Spin-Selective Transport
15:08	15:45	Coffe Break			





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15:45	15:53	OR29	Chiara Baldi	40	Optical Spin Polarization in Vanadyl–Porphyrin Dimers: Modulation of Exchange Coupling and Excited-State Dynamics
15:53	16:01	OR30	Consuelo Bigelli	40	Molecular Spin–Electric Coupling in Non-Centrosymmetric Lanthanide Complexes: A Computational Study
16:01	16:09	OR31	Daniele Sartini	40	Electronic Paramagnetic Resonance: preparing the ground to the rationalization of Spin-Electric Effect
16:09	16:21	OR32	Giulia Agnoloni	39	Chirality-Induced Spin Selectivity in Helicene Based Donor-Acceptor Dyads
16:21	16:33	OR33	Lapo Gabellini	39	Preparation and morpho-chemical characterization of catalyst and their support for green energy conversion
16:33	16:51	OR34	Pietro Gentilesca	38	Development of materials for the selective coordination of critical elements present in produced waters

16:51

End of day 2





Wednesday 14th January 2026

9:00	9:15	Opening Session				Opening of day 3
Chair: Prem Prakash Sahu, Alessandro Galli						
9:15	9:33	OR35	Leonardo Querci	38	Monitoring the Inter-Domain Dynamics of the MLV IN CTD-BRD3 ET Complex	
9:33	9:45	OR36	Filippo Turchi	39	NMR Characterization of α -Synuclein Interactions with GCase-Targeting Pharmacological Chaperones	
9:45	9:53	OR37	Sara Callozzo	40	Transthyretin's Dual Identity: NMR Characterization of Its Amyloidogenic Pathology and Biotherapeutic Drug-Delivery Potential	
9:53	10:05	OR38	Matilde Rossi	39	Peptide Nucleic Acid-Based Ligands Targeting G-Quadruplex Structures	
10:05	10:17	OR39	Francesco Brenzini Biagioni	39	Synthesis of 5-member heteroaromatics containing peptide backbones: pro and cons of structural constraints induced by amide bond surrogates	
10:17	10:29	OR40	Thomas Lulli	39	Unconventional Hydroamination Step in the Synthesis of Polyhydroxylated 3-Methylindolizidines	
10:29	11:24	Coffe Break & Poster Sessions				
11:24	11:32	OR41	Alessio Morano	40	Iminosugars: developing sustainable syntheses to explore their antibacterial potential	
11:32	11:40	OR42	Naufia Mohamedzakaria Shibinasbarveen	40	Covalent Podands and Macrocycles for the Molecular Recongition of Carbohydrates	
11:40	11:58	OR43	Margherita Marino	38	Advanced Analytical Strategies for Bioconjugate Characterization and Glycated Peptide Enrichment: A Dual-Project Industrial PhD Study	



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11:56	12:14	OR44	Chiara Baroni	38	Dual Anticancer Agents: Design and Evaluation of Compounds Targeting Carbonic Anhydrase and Histone Deacetylase
12:14	12:26	OR45	Valentina Ceccherini	39	Ruthenium-Based Agents Against Antimicrobial Resistance
12:26	12:44	OR46	Stefano Zineddu	38	Combinatorial Synthesis for the Discovery of Novel Metalloantibiotics
12:44	12:56	OR47	Matteo Orlandi	39	Ex novo computational design and Development of Mycobacterial β Carbonic Anhydrase inhibitors as new antitubercular compounds
12:56	13:04	OR48	Lorenzo Isidoro	40	Metal-Free Covalent Triazine Framework as Catalyst for the Batch to Flow Reduction of Nitro-Aryls to Anilines using Hydrazine
13:04	14:00	Lunch			
Chair: Niccolò Ulivieri, Claudia Giovani					
14:00	14:18	OR49	Sofiane El Barkaoui	38	Peptide Nucleic Acid–Based Ligands Targeting G-Quadruplex Structures
14:18	14:30	OR50	Amina Mumtaz	39	Development of Biochar & Graphene Oxide Bio-Based Composite Adsorbents for the Removal of CUP pesticides
14:30	14:48	OR51	Benedetta Ciuffi	38	Exploring Thermochemical Strategies for the Recycling of Critical Plastic Waste
14:48	15:06	OR52	Riccardo Gallorini	38	Thermochemical Conversions for Lignocellulosic Residues and Industrial By-products in a Circular Economy Context
15:06	15:14	OR53	Mariasole Gobbo	40	From Waste to Bio-Resource: Integrated Hydrothermal Treatment and Microalgal Cultivation for Brewery Spent Grains Valorization



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15:14	15:45					Coffe Break
15:45	15:53	OR54	Sara Morozzi	40	Discovery and identification of polyphenolic markers of wheat from different varieties with HRMS non-targeted analysis	
15:53	16:11	OR55	Giulia Bonaccorso	38	High-throughput analytical platforms based on liquid chromatography coupled with mass spectrometry for the determination of organic micropollutants: target, suspect screening and non-targeted approach	
16:11	16:29	OR56	Ilaria Antonia Vitale	38	Design and Development of Wearable Electrochemical Sensors for Clinical Parameters Monitoring	
16:29	16:47	OR57	Lorenzo Quadrini	38	Advancing Urea Detection through Integrated Electrochemical Platforms for Industrial and Environmental Applications	

16:47

End of day 3





Thursday 15th January 2026

9:00	9:15	Opening of day 4			
Chair: Matilde Rossi, Sara Morozzi					
9:15	9:23	OR58	Davide Sestaioni	40	Molecularly Imprinted Polyserotonin and Polynorepinephrine: Design and Validation of Modern Biomimetic Receptors
9:23	9:35	OR59	Simone Ventisette	39	Catecholamine-Based Nanomaterials for Molecularly Imprinted Biosensing and Plasmonic Metasurface Fabrication
9:35	9:47	OR60	Martina Tozzetti	39	Ultrasensitive Nanosensors for FKBP12: from Molecular Design to Clinical Validation
9:47	9:55	OR61	Francesco Montanari	40	Multiphysics modelling of electrodeposition systems for sustainable metal coating
9:55	10:13	OR62	Fabio Biffoli	38	A viewpoint on creating sustainable electrodeposition formulations: from exploring fundamental mechanisms to optimizing through DoE
10:13	10:31	OR63	Laura Sforzi	38	Design of Experiment to detect microplastics in lipid-rich food
10:31	11:01	Coffe Break & Poster Sessions			
11:01	11:19	OR64	Elena Mariani	38	Innovative Approaches for Sustainable Electrochemical Deposition
11:19	11:27	OR65	Claudia Giovani	40	Intermetallic Diffusion in Gold-Based Multilayers: Quantitative Analysis and Barrier-Layer Engineering for Industrial Applications
11:27	11:45	OR66	Giulio Pappaianni	38	Electrodeposition and Surface Modification for Technological and Industrial Applications



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11:45	12:03	OR67	Neri Fuochi	38	Soft Materials for Advanced Wearable Neurochemical Sensing and Actuation Control
12:03	12:11	OR68	Mattia Carbone	40	Smart device for fish and seafood freshness and quality
12:11	12:19	OR69	Irene Lunghi	40	Conservation of photographic heritage: sustainable sponges and novel non-invasive analysis for glass-plate negatives
12:19	12:27	OR70	Celine Adamo	40	Green Formulation and Physicochemical Characterization of fibroin and biomolecules for the consolidation of silk artifacts
12:27	12:35	OR71	Quentin Chenin	40	Self-assembling peptides for novel materials applications: effect of genepin cross linking
12:35	14:00	Lunch			
Chair: Leonardo Tacconi, Francesco Montanari					
14:00	14:18	OR72	Chiara Cianci	38	Sustainable Conservation of Contemporary Murals: Development and Evaluation of a Chitosan–Nanosilica Protective Coating for Outdoor Artworks
14:18	14:30	OR73	Samuele Baldini	39	Next-Generation Customizable Organogels: A Solution for Controlled Solvent Cleaning in Modern Art Preservation
14:30	14:48	OR74	Pietro Tordi	38	Gelatin as a Versatile Platform for Sustainable Soft Electronics
14:48	15:00	OR75	Luca Campagiorni	39	Study of the physico-chemical properties and hydration reactions of cement formulation based on ground granulated blast furnace slag with varying sulfate content and type
15:08	15:45	Closing Session			



Poster Session

POS01	Leonardo Bellandi	Development and characterization of green cleaning system based on gel-confined nanostructured fluids for the removal of coatings and soil from artwork surfaces
POS02	Samuele Bitossi	Towards greener electrodeposition: from formulation to waste recovery
POS03	Enrico Bolognesi	Development of new polarizing agents for dynamic nuclear polarization in solid state NMR
POS04	Laura Cesati	Cytochrome c as target for platinum- and gold-based anticancer drugs: from molecular interactions to therapeutic applications
POS05	Giulio della Nave	Syntheses of glycomimetics as antibacterials and in the treatment of protein misfolding diseases.
POS06	Mattia Fanelli	Integrated Bioinformatic Analysis of Transcriptomic and Proteomic Responses to Gold-Based Compounds in Ovarian Cancer Models
POS07	Carolina Gabellini	Engineering lipid nanoparticles for genetic medicines
POS08	Alessandro Galli	Computational Design of Magnetic Nanographenes through Ab Initio Methods and AI





Poster Session

POS09	Gabriele Laus	Assembly and Investigation of Spin-Selective Electron Transport Properties in Chiral Supramolecular Architectures
POS10	Andrea Louise Matulac	Hydrogels with Cyclodextrin-Assisted Chemosensors as Novel Diagnostic Tools for Built Heritage
POS11	Francesco Parmeggiani	Tuning Enantiopure Helicene Films as the First Building Block of Multilayer Chiral Spin-Filtering Interfaces
POS12	Denez Mael Corentin Raimbault	Computational investigation of magnetic exchange for nanographene spins adsorbed on surface
POS13	Marco Salvigni	Synthesis of Artificial Receptors and Glycan analogs for interfering with pathogen–host interactions
POS14	Simone Tamantini	Deciphering and Controlling Biofilm Formation in Functionalized Porous Matrices Under Flow
POS15	Niccolo' Olivieri	Development of multilayer hybrid molecular structures for optical devices

