



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 Bonavolontà	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	



Monday 12th January 2026

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	



Tuesday 13th January 2026

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			





Tuesday 13th January 2026

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



Wednesday 14th January 2026

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 $\beta$ 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	Effect of Biochar Concentration on the Treatment Efficiency of Vertical Flow Constructed Wetlands: Removal of Organic Matter, Nutrients, Pathogens, and Emerging Contaminants
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



Wednesday 14th January 2026

15:14

15:45

## Coffe Break

15:45	15:53	OR54	<b>Sara Morozzi</b>	40	Discovery and identification of polyphenolic markers of wheat from different varieties with HRMS non-targeted analysis
15:53	16:11	OR55	<b>Giulia Bonaccorso</b>	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	<b>Ilaria Antonia Vitale</b>	38	Design and Development of Wearable Electrochemical Sensors for Clinical Parameters Monitoring
16:29	16:47	OR57	<b>Lorenzo Quadrini</b>	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



Thursday 15th January 2026

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





## *Poster Session*

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

