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**				**Coffee 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**
17:25	17:33	OR10	**Francesca Serventi**	40	**Stabilization of Pickering emulsions as templates for Encapsulation**

17:33

End of day 1

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Tuesday 13th January 2026

9:00	9:15		*Opening Session*		**Opening of day 2**
					Chair: Giulia Agnoloni, Matteo Orlandi
9:15	9:33	OR11	**Sara Pavone**	38	**Synthesis and evaluation of iminosugar-based derivatives as potential crop protection agents**
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**				**Coffee 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	11:56	OR18	**Andrea Sodini**	38	**Mannosylated Peptide Nanofibers for Antigen Delivery and Immune Stimulation**

Tuesday 13th January 2026

11:56	12:08	OR19	**Alice Beni**	39	**Wound dressing evaluation using the current standards and development of novel testing methods**
12:08	12:26	OR20	**Ilaria Chiarugi**	38	**Design, characterization and optimization of nanostructured vectors for the delivery of siRNA**
12:26	12:44	OR21	**Francesca Mancusi**	38	**Bacterial Nanocellulose patches for transungual Drug Delivery in onychomycosis treatment via aPTD**
12:44	**14:00**				**Lunch**
					Chair: Lorenzo Isidoro, Francesco Parmeggiani
14:00	14:18	OR22	**Mariano Riccardi**	38	**Computational study of molecular magnets adsorbed on metal surfaces**
14:18	14:26	OR23	**Emmanuel Baranger**	40	**Sergent & Soldiers approach for chirality control in gels of supramolecular nanotubes of Single-Chain Magnets**
14:26	14:44	OR24	**Prem Prakash Sahu**	38	**Computational Insights into Magnetic and Optical Interactions in Molecular Qubits: From Isolated Phase to Condensed Phases**
14:44	14:56	OR25	**Marta Albanesi**	39	**Interfaces between magnetic molecules and superconductors**
14:56	**15:35**				**Coffee Break**

Tuesday 13th January 2026

15:35	15:43	OR26	**Chiara Baldi**	40	**Optical Spin Polarization in Vanadyl–Porphyrin Dimers: Modulation of Exchange Coupling and Excited-State Dynamics**
15:43	15:51	OR27	**Consuelo Bigelli**	40	**Molecular Spin–Electric Coupling in Non-Centrosymmetric Lanthanide Complexes: A Computational Study**
15:51	15:59	OR28	**Daniele Sartini**	40	**Electronic Paramagnetic Resonance: preparing the ground to the rationalization of Spin-Electric Effect**
15.59	16:11	OR29	**Giulia Agnoloni**	39	**Chirality-Induced Spin Selectivity in Helicene Based Donor-Acceptor Dyads**
16:11	16:23	OR30	**Lapo Gabellini**	39	**Preparation and morpho-chemical characterization of catalyst and their support for green energy conversion**
16:23	16:41	OR31	**Pietro Gentilesca**	38	**Development of materials for the selective coordination of critical elements present in produced waters**
16:41					

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	OR32	**Leonardo Querci**	38	**Monitoring the Inter-Domain Dynamics of the MLV IN CTD-BRD3 ET Complex**
9:33	9:45	OR33	**Filippo Turchi**	39	**NMR Characterization of α-Synuclein Interactions with GCase-Targeting Pharmacological Chaperones**
9:45	9:53	OR34	**Sara Callozzo**	40	**Transthyretin's Dual Identity: NMR Characterization of Its Amyloidogenic Pathology and Biotherapeutic Drug-Delivery Potential**
9:53	10:05	OR35	**Matilde Rossi**	39	**Peptide Nucleic Acid–Based Ligands Targeting G-Quadruplex Structures**
10:05	10:17	OR36	**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	OR37	**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	OR38	**Alessio Morano**	40	**Iminosugars: developing sustainable syntheses to explore their antibacterial potential**
11:32	11:40	OR39	**Naufia Mohamedzakaria Shibinasbarveen**	40	**Covalent Podands and Macrocycles for the Molecular Recongition of Carbohydrates**

Wednesday 14th January 2026

11:40	11:58	OR40	**Margherita Marino**	38	**Advanced Analytical Strategies for Bioconjugate Characterization and Glycated Peptide Enrichment: A Dual-Project Industrial PhD Study**
11:58	12:16	OR41	**Chiara Baroni**	38	**Dual Anticancer Agents: Design and Evaluation of Compounds Targeting Carbonic Anhydrase and Histone Deacetylase**
12:16	12:28	OR42	**Valentina Ceccherini**	39	**Ruthenium-Based Agents Against Antimicrobial Resistance**
12:28	12:46	OR43	**Stefano Zineddu**	38	**Combinatorial Synthesis for the Discovery of Novel Metalloantibiotics**
12:46	**14:00**				**Lunch**
					Chair: Niccolò Ulivieri, Claudia Giovani
14:00	14:18	OR44	**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	OR45	**Amina Mumtaz**	39	**Development of Biochar & Graphene Oxide Bio-Based Composite Adsorbents for the Removal of CUP pesticides**
14:30	14:48	OR46	**Benedetta Ciuffi**	38	**Exploring Thermochemical Strategies for the Recycling of Critical Plastic Waste**
14:48	15:06	OR47	**Riccardo Gallorini**	38	**Thermochemical Conversions for Lignocellulosic Residues and Industrial By-products in a Circular Economy Context**
15:06	15:14	OR48	**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**				**Coffee Break**
15:45	15:53	OR49	**Sara Morozzi**	40	**Discovery and identification of polyphenolic markers of wheat from different varieties with HRMS non-targeted analysis**
15:53	16:11	OR50	**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	OR51	**Ilaria Antonia Vitale**	38	**Design and Development of Wearable Electrochemical Sensors for Clinical Parameters Monitoring**
16:29	16:41	OR52	**Matteo Orlandi**	39	**Ex novo computational design and Development of Mycobacterial βCarbonic Anhydrase inhibitors as new antitubercular compounds**
16:41					**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	OR53	**Davide Sestaioni**	40	**Molecularly Imprinted Polyserotonin and Polynorepinephrine: Design and Validation of Modern Biomimetic Receptors**
9:23	9:35	OR54	**Simone Ventisette**	39	**Catecholamine-Based Nanomaterials for Molecularly Imprinted Biosensing and Plasmonic Metasurface Fabrication**
9:35	9:47	OR55	**Martina Tozzetti**	39	**Ultrasensitive Nanosensors for FKBP12: from Molecular Design to Clinical Validation**
9:47	9:55	OR56	**Francesco Montanari**	40	**Multiphysics modelling of electrodeposition systems for sustainable metal coating**
9:55	10:13	OR57	**Fabio Biffoli**	38	**A viewpoint on creating sustainable electrodeposition formulations: from exploring fundamental mechanisms to optimizing through DoE**
10:13	10:31	OR58	**Laura Sforzi**	38	**Design of Experiment to detect microplastics in lipid-rich food**
10:31	**11:01**				**Coffee Break & Poster Sessions**
11:01	11:19	OR59	**Elena Mariani**	38	**Innovative Approaches for Sustainable Electrochemical Deposition**
11:19	11:27	OR60	**Claudia Giovani**	40	**Intermetallic Diffusion in Gold-Based Multilayers: Quantitative Analysis and Barrier-Layer Engineering for Industrial Applications**
11:27	11:45	OR61	**Quentin Chenin**	40	**Self-assembling peptides for novel materials applications: effect of genepin cross linking**

Thursday 15th January 2026

11:35	11.53	OR62	**Neri Fuochi**	38	**Soft Materials for Advanced Wearable Neurochemical Sensing and Actuation Control**
11:53	12:01	OR63	**Mattia Carbone**	40	**Smart device for fish and seafood freshness and quality**
12:01	12:09	OR64	**Irene Lunghi**	40	**Conservation of photographic heritage: sustainable sponges and novel non-invasive analysis for glass-plate negatives**
12:17	12:25	OR65	**Sali Alasmar**	40	**Rational Design and Computational Evaluation of Peptides and Stapled Derivatives as Novel Anti Leishmanial Agents**
12:33	12:51	OR66	**Giulio Pappaianni**	38	**Electrodeposition and Surface Modification for Technological and Industrial Applications**
12:51	13:09	OR67	**Lorenzo Quadrini**	38	**Advancing Urea Detection through Integrated Electrochemical Platforms for Industrial and Environmental Applications**
13:09	13:27	OR68	**Andrea Geri**	38	**Mechanistic studies on antitumor gold compounds: Decoding protein interactions and proteomic response by mass spectrometry**
13:27	**14:16**				**Lunch**

Thursday 15th January 2026

Chair: Francesco Montanari, Claudia Giovani

14:00	14:07	OR69	**Lorenzo Isidoro**	40	**Metal-Free Covalent Triazine Framework as Catalyst for the Batch to Flow Reduction of Nitro-Aryls to Anilines using Hydrazine**
14:07	14:17	OR70	**Celine Adamo**	40	**Green Formulation and Physicochemical Characterization of fibroin and biomolecules for the consolidation of silk artifacts**
14:14	14:26	OR71	**Samuele Baldini**	39	**Next-Generation Customizable Organogels: A Solution for Controlled Solvent Cleaning in Modern Art Preservation**
14:26	14:44	OR72	**Pietro Tordi**	38	**Gelatin as a Versatile Platform for Sustainable Soft Electronics**
14:44	14:56	OR73	**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**
14:56	15:03	OR74	**Shima Siadohoni**	40	**Design, synthesis, and biological evaluation of Antiviral peptides (SARS-CoV-2): therapeutic applications**
15:03	**15:45**				**Closing Session**

Poster Session

POS01	**Leonardo Bellandi**	**Development and characterization of green cleaning system based on gel-confined nansotructured 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	**Sharareh Rezaei**	**Hybrid synthetic/biogenic non-lamellar lipid films**
POS14	**Marco Salvigni**	**Synthesis of Artificial Receptors and Glycan analogs for interfering with pathogen–host interactions**
POS15	**Simone Tamantini**	**Deciphering and Controlling Biofilm Formation in Functionalized Porous Matrices Under Flow**
POS16	**Niccolò Ulivieri**	**Development of multilayer hybrid molecular structures for optical devices**