

CINMPIS DAYS 2025

February 17, 2025	
8:00-9:00	REGISTRATION
9:00-9:25	Opening Ceremony prof. Angela Zampella , <i>vice-Rector of University of Naples Federico II</i> prof. Vito Capriati , <i>Director of CINMPIS Consortium</i> prof. Gianluca Farinola , <i>President of the Italian Chemical Society (SCI)</i> prof. Maria Valeria D'Auria , <i>Past-President of the Organic Division of SCI</i> prof. Daniela Montesarchio , <i>Chair of CINMPIS Days 2025</i>
	Section 1: Chair prof. Daniela Montesarchio
9:25-10:05	PL1 prof. M. Carmen Galan (University of Bristol, UK) CINMPIS LECTURER Controlling G4 DNA topology with small molecules: towards the development of novel therapeutics
	Section 2: Chair prof. Marino Petrini
10:05-10:30	KS1 prof. Enrico Marcantoni (University of Camerino) The use of organic synthesis to tackle problems in chemical biology: climacostol and its analogues
10:30-10:55	KS2 prof. Daniele Passarella (University of Milano Statale) Natural products: exploring novel synthetic routes and chemical space
10:55-11:00	FP1 dr. Anna Esposito (University of Napoli Federico II) Mirror-image iminosugars: multipotent glycomimetics for the treatment of rare diseases
11:00-11:05	FP2 dr. Giorgia Fracchioni (University of Pavia) Exploring heptacyclic ligands: how oligo-heteroaryls interact with G-quadruplex motifs
11:05-11:35	Coffee Break
	Section 3: Chair prof. Maurizio Benaglia
11:35-12:00	KS3 prof. Luca Beverina (University of Milano Bicocca) Conjugated materials from and into interface rich, water based microheterogeneous environments
12:00-12:15	OC1 prof. Erica Locatelli (University of Bologna) Surface modification of nanocellulose towards additive manufacturing
12:15-12:30	OC2 dr. Carola Ricciardelli (University of Bari Aldo Moro) Disclosing the properties of silk fibroin in heterogeneous catalysis
12:30-12:45	OC3 prof. Chiara Maria Antonietta Gangemi (University of Messina) Lighting up tyrosinase inhibitors
12:45-13:00	OC4 prof. Valentina Sepe (University of Napoli Federico II)

	Discovery of new leukemia inhibitory factor receptor antagonists: 4,9-estradien-3-one scaffold
13:00-13:15	OC5 dr. Emanuele Casali (University of Pavia) The dual role of TEMPO in electrooxidative allene dioxygenation
13:15-13:30	OC6 dr. Fabricio Nicolas Molinari (University of Messina) Development of graphene-based solid sorbents for CO ₂ capture
13:30-13:35	FP3 dr. Giulia Romagnoli (University of Siena) From micellar catalysed hydroformylation and hydroaminomethylation to solid waste-based sustainable processes
13:35-14:45	Lunch Break
	Section 4: Chair prof. Filippo Doria
14:45-15:10	KS4 prof. Serena Riela (University of Catania) Halloysite: unlocking the potential of a natural nanomaterial
15:10-15:35	KS5 prof. Alessandra Operamolla (University of Pisa) Lignin: a new and invaluable resource for organic devices
15:35-16:00	KS6 prof. Domenica Musumeci (University of Napoli Federico II) Focus on nucleoamino acids and nucleopeptides: from nucleic acid binding to self-assembling properties
16:00-16:15	OC7 dr. Valentina Pirota (University of Pavia) Fascinating ploy to the controlled orthogonalization of water-soluble naphthalene diimides
16:15-16:30	OC8 prof. Andrea Calcaterra (University of Roma La Sapienza) Studies towards the synthesis of vismione E
16:30-16:45	OC9 dr. Mara Pulpito (University of Bari Aldo Moro) One-pot two-step chemoenzymatic deracemization of secondary alcohols in iron-based deep eutectic solvents
16:45-17:15	Coffee Break
	Section 5: Chair prof. Stefano Superchi
17:15-17:40	KS7 prof. Sergio Mauricio Bonesi (University of Buenos Aires) Application of the photo-FRIES rearrangement reaction in organic synthesis
17:40-18:05	KS8 prof. Giuseppe Sforazzini (University of Cagliari) Light at work: molecular engineering of π -conjugated compounds towards responsive materials
18:05-18:20	OC10 dr. Antonio Ricci (Fresenius Kabi) Tackling operative challenges in the industrial pharmaceutical manufacturing processes framework
18:20-18:35	OC11 dr. Gabriele Prina Cerai (Procos) Process development and optimization: a case study on telescopic double Sonogashira reactions

	Section 6: Chair prof. Marco Bandini
18:35-18:40	FP4 dr. Andrea Citarella (University of Milano Statale) Synthesis of 1,2,3-triazoles in the green solvent cyrene
18:40-18:45	FP5 dr. Marta Grazioli (University of Pavia) Synthesis of herboxidiene derivatives as splicing modulators
18:45-18:50	FP6 dr. Maria Grazia Nolli (University of Napoli Federico II) Mild-temperature hydrosilylation for efficient functionalization of porous silicon biosensor for troponin detection during myocardial infarction
18:50-18:55	FP7 dr. Gabriele Cianfoni (University of Roma La Sapienza) Design and synthesis of polyamines to develop highly performing ferritin-conjugates
18:55-19:00	FP8 dr. Fabiana Esposito (University of Napoli Federico II) Semi-synthetic pathways to obtain glycosaminoglycans mimetics from sustainable sources
19:00-19:05	FP9 dr. Margherita Miele (University of Torino) Carbenoid-like strategies for expanding the chemical space of halogen-containing manifolds
19:05-19:10	FP10 dr. Elisabetta Tomarchio (University of Catania) Sustainable biopolymeric catalytic system for <i>suzuki-miyaura</i> reactions in aqueous media
19:10-19:15	FP11 dr. Andrea Paparella (University of Bari Aldo Moro) Embracing a new frontier: mastering Nickel-catalyzed cross-electrophile coupling reactions in deep eutectic solvents
19:15-19:20	FP12 dr. Rita Mocci (University of Cagliari) Mechanochemical synthesis of secondary amines via borrowing hydrogen strategy
19:20-19:25	FP13 dr. Gianfranco Cavallaro (University of Catania) In silico design of new antibacterial drugs and ligand-protein interaction studies targeting COX-1
19:25-19:30	FP14 dr. Rossella Aronne (University of Siena) Automatic computational protocol to explore G-quadruplex's binding sites through molecular dynamic simulations and virtual screening

20:30 Free Dinner

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	Section 7: Chair prof. Vito Capriati
9:00-9:45	PL2 prof. Maurizio Prato (CIC bioMagune, San Sebastian, Spain) Carbon nanodots: the missing link between the molecular and the nanoscale worlds
9:45-10:10	KS9 prof. Alessandro Palmieri (University of Camerino) Prize: Innovation in Organic Synthesis 2024 Continuous flow synthesis and derivatization of homo- and heterocyclic systems
	Section 8: Chair prof. Walter Cabri
10:10-10:35	KS10 prof. Andrea Gualandi (University of Bologna) Developing Nickel organometallic nucleophilic reagents via photoredox catalysis
10:35-10:50	OC12 dr. Patrizio Russo (University of Calabria) Pd-Catalyzed coupling of 1-(2-(allyloxy)phenyl)-2-yn-1-ols and isonitriles for the synthesis of 2-(benzofuran-2-yl)acetamides
10:50-10:55	FP15 dr. Giulio Bertuzzi (University of Bologna) The gold-allene system for the functionalization of 7- and 4-membered rings
10:55-11:00	FP16 dr. Giulia Monda (University of Bologna) Direct access to benzalactams and benzolactones via Nickel-catalyzed carbonylation with CO ₂
11:00-11:30	Coffee Break
	Section 9: Chair prof. Bartolo Gabriele
11:30-11:55	KS11 prof. Giancarlo Cravotto (University of Torino) New technologies and green protocols for industrial chemical process intensification
11:55-12:20	KS12 prof. Leonardo Degennaro (University of Bari Aldo Moro) Use of sustainable technologies enabling direct fluoroalkylation and fluorocarbonylation strategies
12:20-12:45	KS13 prof. Loredana Maiuolo (University of Calabria) 1,3-dipolar cycloaddition: a versatile method to synthesize small heterocycles and hybrid molecules
12:45-13:00	OC13 prof. Alessandra Puglisi (University of Milano Statale) Recycling of rare earth elements: from E-waste to stereoselective catalytic reactions
13:00-13:15	OC14 dr. Fabio Pesciaioli (University of L' Aquila) Expanding the boundaries of organocatalysis towards sustainability via acid and aminocatalysis

13:15-13:30	OC15 dr. Chiara Zagni (University of Catania) Hydroxypyrrone-based materials: dual functionality for antimicrobial iron chelation and water pollutant degradation
13:30-14:45	Lunch Break
	Section 10: Chair prof. Alessandra Tolomelli
14:45-15:10	KS14 prof. Giuseppe Gattuso (University of Messina) Self-assembly of supramolecular polymers based on ionizable bis-pillar[5]arene monomers for sensing applications
15:10-15:35	KS15 prof. Carmine Gaeta (University of Salerno) Exploring prismarene: an emerging macrocyclic host in supramolecular chemistry
15.35-15.50	OC16 prof. Sebastiano Di Pietro (University of Pisa) Glycoconjugated luminescent lanthanide complexes as diagnostic probes
15:50-16:05	OC17 dr. Serena Traboni (University of Napoli Federico II) A new, straightforward synthesis of 3-deoxy-3-amino galactose, a key structural motif of galectin ligands
16:05-16:20	OC18 dr. Federico Lami (University of Milano Bicocca) Design and synthesis of a new Toll Like Receptor 4 agonist-based antibody drug conjugate for cancer immunotherapy
16:20-16:35	OC19 dr. Ernesto Santoro (University of Basilicata) Chiral molecular recognition by prism[n]arenes macrocycles
16:35-16:50	OC20 dr. Alberto Luridiana (University of Cagliari) A novel photocatalyzed strategy for the telescopic synthesis of substituted 1-pyrrolines
16:50-16:55	FP17 dr. Ester Colarusso (University of Salerno) Development of a one-pot, solvent-free reaction for the synthesis of fluoroquinolone antibiotic chemical core
16:55-17:00	FP18 dr. Samuele Ruffoli (University of Bologna) Study of the CISS effect through chiral peptide dyads
17:00-17:05	FP19 dr. Maria Teresa Tiberi (University of Perugia) Waste-minimized access to diarylamines and triarylamines via Csp^2-N coupling under batch and flow conditions
17:05-17:35	Coffee Break
	Section 11: Chair prof. Antonio Rescifina
17:35-18:00	KS16 dr. Giulia Brufani (University of Perugia) Prize: Best PhD Thesis 2024 Sustainable synthetic methodologies for the synthesis of heterocyclic compounds
18:00-18:15	OC21 prof. Marco Blangetti (University of Torino)

	Oxidative anionic homo-Fries rearrangement under bench-type aerobic conditions
18:15-18:30	OC22 dr. Alessio Petrellini (University of Camerino) Fluorinated climacostol, a new potential small molecule cancer chemotherapeutic agent
18:30-18:45	OC23 dr. Roberta Amuso (University of Calabria) Sequential insertion of carbon monoxide and carbon dioxide for the synthesis of benzoxazinone derivatives
18:45-19:00	OC24 dr. Alessandro Santarsiere (University of Basilicata) Reactivity insights of arylboronic acids in <i>ipso</i> -substitution reactions
19:00-19:15	OC25 dr. Stefano Barranco (University of Cagliari) New synthetic methodologies for the chemo- and stereoselective transformation of substituted cyclobutanes
19:15	<i>Concluding Remarks & Greetings</i>

20:30 Social Dinner at Ristorante “La Bersagliera”