



CONFERENCE PROGRAMME

DAY ONE

Tuesday April 28, 2026

13.30 – 14.30 Welcome and Registration

14.30– 14.45 Opening Ceremony

Prof. Angelo Antonio Izzo, Director, Department of Pharmacy, University of Naples Federico II

Prof. Concetta Giancola – President, Campania Section, Italian Chemical Society (SCI)

Dr. Sveva Pelliccia – Conference chair

Dr. Vincenzo Piccolo – Conference Co-Chair

14.50-15.50: Plenary lecture - Prof. Klaus Kümmerer

Director of the Institute of Sustainable Chemistry at Leuphana University Lüneburg, Germany -
“Pharmaceuticals in the Environment: From a Problem to a Business Opportunity Through Benign by Design”

16.00-17.30: SESSION 1 Sustainable Valorisation of Natural Bioactives for Human Health

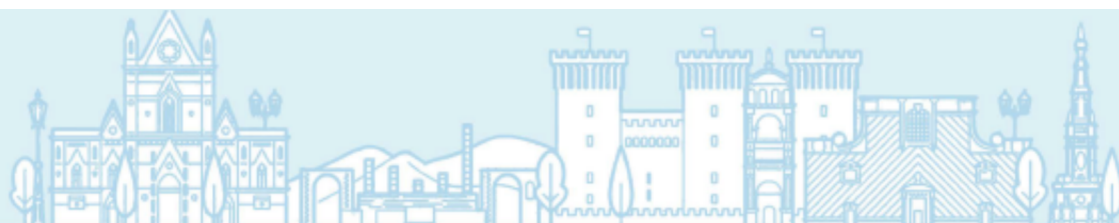
Chairpersons: Cinzia Pezzella – Severina Pacifico

OC 01: Comune Lara – University of Campania Luigi Vanvitelli (Caserta, Italy) - “Polyphenol-Enriched Alginate Beads from Ravece cv. Olive Leaves and Olive Oil for Functional Use”

OC 02: Aquino Giovanna - AREA Science Park (Trieste, Italy) - “Unlocking Nutraceutical Value from Agri-Food By-Products: A Sustainable Waste-to-Wellness Strategy Within the Circular Bioeconomy Framework”

OC 03: Diglio Carmen – University of Campania Luigi Vanvitelli (Caserta, Italy) - “Edible Feijoa Flowers: Polyphenolic Profiling and Functional Coating”

OC 04: Dzhambariva Ivelina Ivaylova – University of Naples Federico II (Napoli, Italy) - “Think Pink: From Bioprocess Optimization to HDES-Microemulsion for Bacterioruberin Delivery”





- OC 05: Fydrych Dagmara** – Nicolaus Copernicus University in Toruń (Bydgoszcz, Poland) - “Evaluation of Antimicrobial and Antibiofilm Activity of Gallic Acid, Quercetin-3-D-Glucuronide and Apigenin Against Gram-Negative Uropathogens”
- OC 06: Mucci Lucia** – University of Campania Luigi Vanvitelli (Caserta, Italy) - “Turning Vineyard Waste into Functional Gold: Quercetin 3-O-Glucuronide from Aglianico Vine Leaves as a Natural Antioxidant Colorant”
- OC 07: Angelino Simona** – University of Naples Federico II (Napoli, Italy) - “New Diamine-Mediated Pathway for Polyphenol-based Functional Coatings”
- OC 08: Jeziurska-Pavlenko Jagoda** – Nicolaus Copernicus University in Toruń (Bydgoszcz, Poland) - “Study of the impact antibiotic combinations used in urinary tract infections on the effectiveness of antimicrobial therapy”
- OC 09: Palmieri Roberta** – University of Campania Luigi Vanvitelli (Caserta, Italy) - “Cellulose Extraction from Grapevine Pruning Residues: A Gate-to-Gate Life Cycle Assessment at Laboratory Scale”

17.30-18.30: Welcome Cocktail

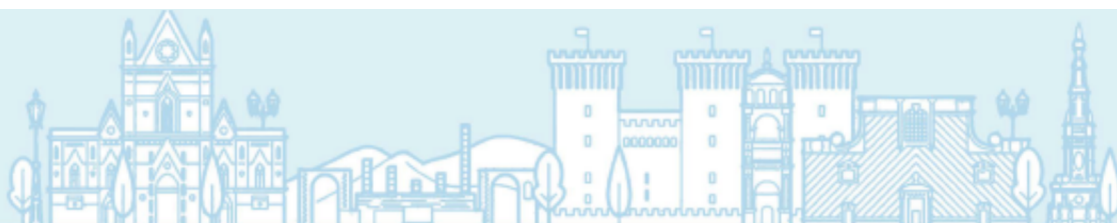
DAY TWO

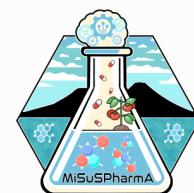
Wednesday April 29, 2026

09.30-11.00: SESSION 2: Sustainable Nanocarriers and Green Strategies for Advanced Drug Delivery

Chairpersons: Giuseppe Floresta – Gabriella Costabile

- KN 1: Dr. Adrian Matencio Duran**, University of Murcia (Murcia, Spain) - “From Nutraceuticals to Pharmaceuticals: Molecular Strategies for Bioactive Delivery”
- OC 10: D’Anna Pasquale** – University of Naples Federico II (Napoli, Italy) - “Cationic Amphiphilic Hybrid System for siRNA-Based Combination Strategy in Triple-Negative Breast Cancer”
- OC 11: Piccolo Virgilio** – University of Naples Federico II (Napoli, Italy) - “Nanoparticles based on inulin and polyesters for the delivery of siRNA and Docetaxel to solid tumors”
- OC 12: Sguizzato Maddalena** – University of Ferrara (Ferrara, Italy) - “Cyclodextrin nanosystems for Rutin oral delivery: a “dual-carrier” strategy for diabetic dietary supplementation”





- OC 13: De Cristofaro Ilaria** – University of Naples Federico II (Napoli, Italy) - “Tonizable Lipid-based Nanocarriers for Targeted siRNA delivery”
- OC 14: Molaro Maria Cristina** – University of Naples Federico II (Napoli, Italy) - “PISA-Engineered Polymeric Nanoparticles for the Targeted Delivery of FS536, a Doxorubicin–Nitric Oxide Hybrid with Anti-MDR Activity”
- OC 15: Spirito Alessandra** – University of Naples Federico II (Napoli, Italy) - “Development and Clinical Evaluation of a Buccal Nanoemulsion for Enhanced Cannabinoid Delivery in Chronic Pain Management”

11.15-11.45: Coffee break

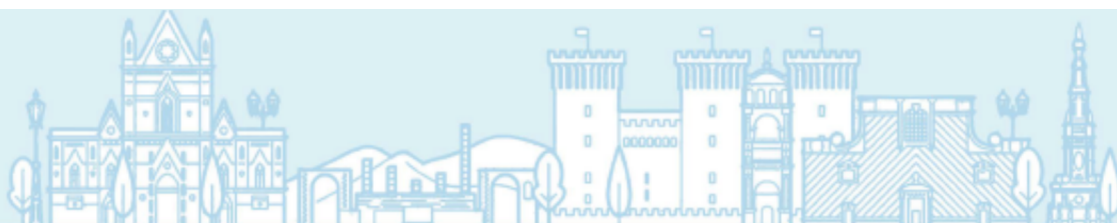
11.45-13.00: SESSION 3: Sustainable Platforms, Functional Materials, and Controlled Release Systems

Chairpersons: **Claudia Conte- Thomas L. Moore**

- OC 16: Patamia Vincenzo** – University of Catania (Catania, Italy) - “Multi-modal bio-platforms: harnessing natural architectures for advanced surface preservation and biosafety”
- OC 17: Di Spirito Nicola Antonio** – University of Naples Federico II (Napoli, Italy) - “Pluronic F68 as a Versatile Platform for Sustainable and Functional Drug Delivery Systems”
- OC 18: Imbò Lorenzo Emiliano** – University of Naples Federico II (Napoli, Italy) - “Engineering myxinidin-based supramolecular architectures for advanced antifungal applications in food protection”
- OC 19: Perinelli Diego Romano** – University of Camerino (Camerino, Italy) - “Zein-based natural layered biodegradable films for food bio-packaging applications”
- OC 20: Marra Sebastiano** – University of Naples Federico II (Napoli, Italy) - “Mesoporous vs Wrinkle Silica Nanoparticles: Architecture Driven Loading of Luminescence Ruthenium complexes for Photodynamic Therapy”
- OC 21: Trucillo Paolo** – University of Naples Federico II (Napoli, Italy) - “Graded foamed tablets as tunable delivery systems”

13.00-13.20: Sponsor Presentation:

SP 1: TILRAY – Title TBA





13.20-14.30: Lunch & Poster Session

14.30-14.50: Sponsor Presentation:

SP2: Dr. Daniela Iaconis, Dompé Farmaceutici S.p.A. – “AI-Driven Drug Discovery: From Chemical Space Exploration to Experimental Validation”

14.50-16.30: SESSION 4: Computational Chemistry and Artificial Intelligence for Sustainable Drug Discovery

Chairpersons: Antonella Ciancetta - Rino Ragno

KN 2: Dr. Nicola Gambacorta, University of Bari Aldo Moro (Bari, Italy) - “Navigating Chemical Space: Integrated in Silico Platforms for Next-Generation Drug Discovery”

OC 22: Astolfi Roberta – Sapienza University of Rome (Roma, Italy) - “Computational Approaches for the Identification of Novel DYRK1A Inhibitors: Machine Learning, 3-D QSAR, Docking Assessment, and ComBinE Analysis”

OC 23: Delre Pietro – University of Naples Federico II (Napoli, Italy) - “VeGA: A Versatile Generative Architecture for Bioactive Molecules across Multiple Therapeutic Targets”

OC 24: Astolfi Andrea – University of Perugia (Perugia, Italy) - “Toward Sustainable Antibiotic Adjuvant Discovery: An *In Silico*-to-Experimental Strategy Targeting NorA”

OC 25: Bellofatto Giada – University of Naples Federico II (Napoli, Italy) - “From Apo to Ligand-Bound: Unraveling PPAR γ -LBD Conformational Shifts via Advanced Molecular Dynamics”

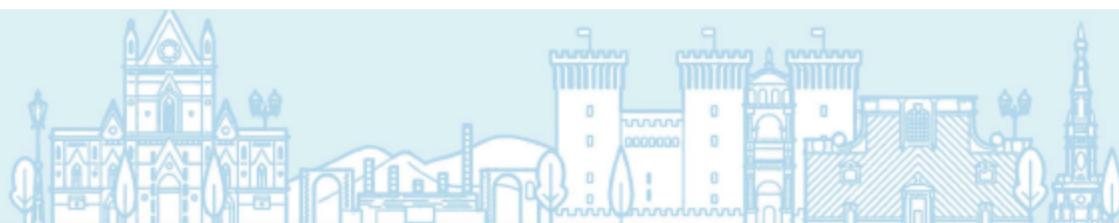
OC 26: Mastrolorito Fabrizio – University of Bari Aldo Moro (Bari, Italy) - “fragSMILES to express chemical fragments and chirality for synthesis planning”

OC 27: Di Giovanni Carmen – University of Naples Federico II (Napoli, Italy) - “Exploring human sperm nuclear basic protein–DNA interactions: a combined experimental and computational study on hexavalent chromium interference”

16.30-17.00: Coffee break

17. 00-17.20: Sponsor Presentation:

SP 3: AVEXTRA – Title TBA





20.00: Social aperitif AT BARRIO BOTANICO (Via A. Scarlatti 139, Napoli)

DAY THREE

Thursday April 30, 2026

9.00- 10.30: SESSION 5: Green Technologies for Sustainable Drug Synthesis and Optimization

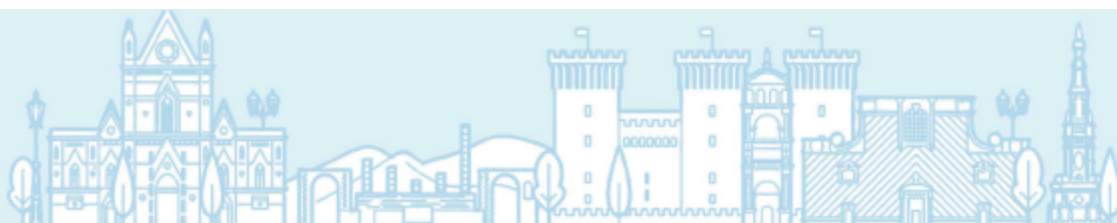
Chairpersons: Giuseppe La Regina - Beatrice Severino

- KN3:** Prof. Margherita Brindisi, University of Naples Federico II (Napoli, Italy) – “Rethinking the generation of privileged scaffolds in medicinal chemistry using continuous flow, mechanochemistry and paper-based platforms”
- OC 28:** Merlino Francesco – University of Naples Federico II (Napoli, Italy) - “Sustainable Ultrasound-Assisted Solid-phase Synthesis of Bioactive Peptides”
- OC 29:** Fontana Anna – University of Pavia (Pavia, Italy) - “Mechanochemical synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives via mortar-pestle grinding approach”
- OC 30:** Martina Maria Grazia – University of Parma (Parma, Italy) - “Green Enabling Technologies for the Optimization of Novel Small-Molecule PCSK9 Inhibitors with Multiple Pharmacological Applications”
- OC 31:** Rossitto Emanuele – University of Bari Aldo Moro (Bari, Italy) - “High-Efficiency Mechanochemistry: evolution of sustainable routes to TRPM8 antagonists”
- OC 32:** Alfano Antonella Ilenia – University of Naples Federico II (Napoli, Italy) - “Flowing Light for Green Pinacol Coupling of Aldehydes and Imines”

10.30 -11.00: Coffee break

11. 00-11.20: Sponsor Presentation:

- SP 4:** Dr. Callipo Luciano, Agilent Technologies, Inc. - “Orthogonal Separation of Pharmaceutical Impurities by the Agilent 1260 Infinity III SFC/UHPLC Hybrid System”





11.20- 12:00: SESSION 6: Safe and Sustainable by-Design Strategies for Novel Therapeutics

Chairpersons: Giuseppe La Regina – Beatrice Severino

OC 33: Marchetti Filippo – University of Ferrara (Ferrara, Italy) - “A Safe-and-Sustainable-by-Design chemo-enzymatic platform for novel ophthalmic therapeutics: development of hyaluronic acid-biosteroids hybrid system”

OC 34: Piazza Filippo – University of Bologna (Bologna, Italy) - “Harnessing multicomponent reaction for developing sustainable antiviral hits starting from CNSL”

OC 35: Rotili Gabriele – Sapienza University of Rome (Roma, Italy) - “A selective hCA IX/XII inhibitor targeting the Wnt/ β -catenin signaling pathway, and P-gp: a novel polypharmacological compound”

OC 36: Zurzolo Simone – University of Siena (Siena, Italy) - “From Solid Waste to Catalysis”

12.00-12:30: Awards ceremony and closing remarks

