



Il Contributo dei Giovani Chimici in Campania

Edizione 2026



Programma

Lunedì 20 Luglio 2026

12:30	Registrazioni/Benvenuto (desk ingresso aula magna “L. Sorrentino”)
13:30 – 14:00	Saluti istituzionali (aula magna “L. Sorrentino”): Prof. Angelo Izzo (Direttore Dipartimento di Farmacia), Prof. Luigi Mondello (Presidente SCI), Prof.ssa Concetta Giancola (Presidente SCI Campania), Prof.ssa Rossella Fasulo (Presidente OCF Campania), Dott.ssa Arianna Massaro (Direttivo SCI Giovani). <i>Chairperson:</i> Francesco Merlino
14:00 – 14:30	Plenaria (aula magna “L. Sorrentino”): Dott.ssa Rita Berisio (CNR) , “Youth discovers because it dears - <i>Una mente giovane scopre perché osa</i> ” <i>Chairperson:</i> Prof.ssa Concetta Giancola
14:30 – 15:00	Coffee Break
Sessione I	
15:00 – 18:15	Sessione I.A (aula magna “L. Sorrentino”). <i>Chairperson:</i> Antonello Merlino, Pasquale Rapacciuolo
15:00 – 18:15	Sessione I.B (Aula 11). <i>Chairperson:</i> Rosa Bellavita, Raffaele Cucciniello
18:15	Welcome cocktail



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SESSIONE I.A (aula magna “L. Sorrentino”) – Chimica Organica, Chimica Farmaceutica, Chimica Fisica, Chimica degli Alimenti e Tecnologia Farmaceutica			
N	Oratore	Titolo Presentazione	Orario
1	Nadia Ciotola (UniNa)	Alternaria mycotoxins: an optimized analytical workflow	15:00
2	Chiara Nitride (UniNa)	The Protein Trail: Decoding the Food Proteome During <i>Pleurotus</i> Solid-State Fermentation	15:10
3	Francesco Tammaro (UniNa)	Rational design and synthesis of bioactive miPEP205-derived fragments as modulators of Wnt/ β -catenin signaling in triple-negative breast cancer	15:20
4	Giorgia Andreozzi (UniNa)	Design and synthesis of small molecules as microRNA modulators in ischemic stroke	15:30
5	Eleonora Boccia (UniSa)	Discovery of novel BAG3 modulators through an in silico-guided workflow	15:40
6	Emilio Brancaccio (UniSa)	DARTS-MS analysis identifies Moesin and Galectin-3 as the main targets of Silybin A in cancer cells	15:50
7	Alessandra Capuano (UniSa)	Proteomic Identification of ROCK2 as a Selective Target of a Mycalin A-Derived Lactone in Melanoma Cells	16:00
8	Laura Cerbone (UniNa)	Towards the selective targeting and visualization of cancer-related G-quadruplexes: a study on naphthalene diimides	16:10
9	Antonella Ilenia Alfano (UniNa)	Streamlining squaramide synthesis using a sustainable and versatile paper-based platform	16:20
10	Assunta Passarelli (SSM)	Impact of Epigenetic Mutations on the Thermodynamic Stability and Ligand Interactions of the c-KIT1 G-Quadruplex	16:30
11	Rosa Nappi (UniNa)	Exploring catechin-mediated modulation of the Maillard reaction	16:40
12	Rosa Barbato (UniNa)	Triterpene saponins from leaves of <i>Hedera algeriensis</i>	16:50
13	Laura Di Prisco (UniNa)	Fe@melanin hybrids: synthesis, characterization and possible implications in prebiotic chemistry	17:00



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14	Antonella Vitiello (UniNa)	Agricultural Waste Valorization into Functional Lignin Nanoparticles for Multifunctional UV-Shielding Applications	17:10
15	Elena Lagreca (UniNa)	Multifunctional Polymeric Microneedle Patches for Precision Immunotherapy in Triple-Negative Breast Cancer: Engineering a Bicompartimental Transdermal Delivery Platform	17:20
16	Shabir Ahmad (UniNa)	Exploring the potential of combining menthol-thymol deep eutectic solvent and solid microneedles for cutaneous peptide delivery	17:30
17	Ida Boccino (UniNa)	Synthesis and Antimicrobial Activity of Cyclic Temporin L Analogues via Non-Conventional Guanidinium-Based Functionalization	17:40

SESSIONE I.B (Aula 11) – Chimica Inorganica, Elettrochimica, ed Ambientale			
N	Oratore	Titolo Presentazione	Orario
1	Massimo Melchiorre (UniNa)	Challenging the ISusChem's process for fatty acids esterification: The Exploration of Substrate Boundaries	15:00
2	Francesca Fantasma (UniMol)	Phytochemical Characterization and <i>in vitro</i> Antioxidant Bioactivity of Wild <i>Origanum vulgare</i> L. Methanolic Extract and Essential Oils	15:10
3	Maria Carolina La Rocca (UniSa)	Amination of alcohols via a hydrogen borrowing reaction catalyzed by gold nanoparticles supported by a porous polymer matrix	15:20
4	Lorenzo Emiliano Imbò (UniNa)	Elucidating Temporizin-1–Membrane Interactions Using Liposomes Mimicking Eukaryotic and Protozoan Membranes	15:30
5	Sara Palladino (UniNa)	Design, Biophysical Characterization of D-Amino Acid Analogues of gH625 with Enhanced Stability	15:40
6	Francesca Fasano (SSM)	Engineering Multifunctional β -Cyclodextrin Nanocarrier for miRNA Transport Across the Blood–Brain Barrier	15:50
7	Simone Braccia (UniNa)	Engineering peptide-based nanofiber for gene therapy in TNBC treatment	16:00
8	Nicolina Castagno (UniSa)	Quaternary Ammonium-Functionalized PPO as an Efficient Adsorbent for Short-Chain PFAS	16:10



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9	Valentina Carmela Barone (UniSannio)	Biomedical potential of bacterial cellulose, a multifunctional polymer	16:20
10	Simone Russo (UniNa)	Nitrogen-Doped Carbon Nanodots from Humic Substances for Enhanced Electron Transfer in Microbial Fuel Cells	16:30
11	Grazia Nota (SSM)	Electrochemical Sensor for the Quantitative Determination of Chlorhexidine	16:40
12	Gennaro Persico (UniNa)	3D-printing sensors: how printers affect electrochemical performance	16:50
13	Sara Vllahu (UniSa)	Rapid Methyl Orange adsorption on Mg/Al Hydrotalcites derived from sodium aluminate waste	17:00
14	Prisco Prete (UniSa)	Harmonizing Turnover Frequency and Life Cycle Assessment Metrics for the Safe and Sustainable by Design Development of Photo Fenton-Like Catalysts	17:10
15	Alessandra Sessa (UniSa)	Evaluating the environmental performance of industrial-scale glycerol carbonate production: a prospective LCA (pLCA) approach	17:20
16	Stefania Vertuccio (UniNa)	Seasonal characterization of PM _{2.5} and associated toxic pollutants, including microplastics, in schools located in environmentally stressed areas of Campania Region	17:30



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Programma

Martedì 21 Luglio 2026

09:00 – 09:15	Attività SCI Campania (Prof.ssa Concetta Giancola e Prof. Roberto Fattorusso) (aula magna “L. Sorrentino”)
09:15 – 09:30	Attività SCI Giovani (Arianna Massaro) (aula magna “L. Sorrentino”)
Sessione II	
09:30 – 11:00	Sessione II.A (aula magna “L. Sorrentino”). <i>Chairperson:</i> Agostino Casapullo, Francesco Merlino
09:30 – 11:00	Sessione II.B (Aula 11). <i>Chairperson:</i> Luigi Russo, Teresa Silvestri
11:00 – 11:30	Coffee break
Sessione III	
11:30 – 13:00	Sessione III.A (Aula magna “L. Sorrentino”). <i>Chairperson:</i> Francesca Ungaro, Stefania Terracciano
11:30 – 13:00	Sessione III.B (Aula 11). <i>Chairperson:</i> Laura Falivene, Federica D’Aria
13:00	Foto di gruppo
13:15 – 14:15	Pranzo
Sessione IV	
14:15 – 16:15	Sessione IV.A (Aula magna “L. Sorrentino”). <i>Chairperson:</i> Fabiana Piscitelli, Panagiota Kalligosfyri
14:15 – 16:15	Sessione IV.B (Aula 11). <i>Chairperson:</i> Vincenzo Russo, Giuseppina Andreotti
Sessione V	
16:30 – 17:40	Sessione V.A (Aula magna “L. Sorrentino”). <i>Chairperson:</i> Stefania Terracciano, Francesco Merlino
16:30 – 17:40	Sessione V.B (Aula 11). <i>Chairperson:</i> Luigi Russo, Fabiana Piscitelli
17:45	Saluti conclusivi e Chiusura dei lavori (Aula magna “L. Sorrentino”)



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Società
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Programma scientifico dettagliato Martedì 21 Luglio 2026

SESSIONE II.A (Aula Magna “L. Sorrentino”) – Chimica Organica e Chimica Farmaceutica			
N	Oratore	Titolo Presentazione	Orario
1	Carlo Ricciardelli (UniNa)	Study of G-quadruplex-forming aptamer complexes with selective ligands for the development of anticancer theranostic systems	09:30
2	Arianna De Lisa (UniSa)	Design of novel small molecules targeting USP14 through pharmacophore modeling and structure-based virtual screening	09:40
3	Carla Aliberti (UniNa)	Structural Modulation of Thymidine Loops in Telomeric G-Quadruplex Catalysts for Asymmetric Sulfoxidation	09:50
4	Marcello Casertano (UniNa)	Marine-Inspired Thioacetamides as Multifunctional Agents for H ₂ S Delivery and Carbonic Anhydrase Modulation	10:00
5	Pierfrancesco Cinque (UniNa)	Design and synthesis of molecular hybrids between drugs for dermatological disorders or wound healing and H ₂ S donors	10:10
6	Simona De Vita (UniSa)	PharmIVS: An Automated Inverse Virtual Screening Workflow Based on 3D Structure-Based Pharmacophore Models	10:20
7	Maria Cristina Molaro (UniNa)	A targeted Nanoplatfrom for Mitochondrial Arg2 inhibition	10:30

SESSIONE II.B (Aula 11) – Chimica dei Sistemi Biologici			
N	Oratore	Titolo Presentazione	Orario
1	Martina D’Auria (UniNa)	Structural insights into a novel thermophilic PET hydrolase	09:30
2	Maria Sofia de Gregorio (UniNa)	Dissolvable PVA/PVP Microneedle Arrays Produced from 3D-Printed Molds for Nanoparticle-Based Transdermal Drug Delivery	09:40
3	Marica Erminia Schiano (UniNa)	L-Arginine Metabolism in Cancer: Unraveling Immune Cell Dynamics in Cancer Patient PBMCs via CyTOF analysis	09:50
4	Yosra Ibrahim (UniNa)	Microfluidics-based PLGA nanoparticles synthesis for natural anti-cancer drug delivery	10:00
5	Simona Marzano (UniNa)	A fluorescence-based peptide displacement assay for screening G-quadruplex ligands	10:10
6	Antonia Nutini (UniNa)	Design and Development of Nanoparticles Capable of Crossing the Blood-Brain Barrier and Stimulating the Removal of	10:20



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		Cholesterol and 24-Hydroxycholesterol	
7	Martina Dragone (UniCamp)	Structural Characterization and Activity Evaluation of Selumetinib and Trametinib β -Cyclodextrin Inclusion Complexes	10:30

SESSIONE III.A (Aula Magna "L. Sorrentino") – Chimica Organica e Tecnologia Farmaceutica

N	Oratore	Titolo Presentazione	Orario
1	Alessandra Spirito (UniNa)	Physicochemical Characterization, Mucoadhesive Properties and Clinical Evaluation of a Buccal THC Nanoemulsion for Enhanced Cannabinoid Delivery	11:30
2	Ersilia Villano (UniNa)	Scaling Up siRNA-Loaded Lipid@PLGA Hybrid Nanoparticles: From Batch Formulation to Microfluidic Production	11:40
3	Maria Capuano (UniNa)	Thermoresponsive hydrogel loaded with nanoparticles for drug delivery to the posterior segment eye	11:50
4	Erica Gazzillo (UniSa)	A 5-Br-1-Propylisatin Derivative as a Novel BRD9 Ligand: Evidence from Computational and STD-NMR Studies	12:00
5	Monica Maio (UniMol)	Optimization of a NaDES-based green extraction method for the valorization and chemical profiling of grape pomace	12:10
6	Daniela Benigno (UniNa)	Enhanced antitumor activity of the G-quadruplex aptamer T40214 through peptide-based nanofiber delivery	12:20
7	Vincenzo Battaglia (UniSa)	Serendipitous One-pot Synthesis of 2-Aryl Glycidic Esters From Commercially Available Reagents	12:30
8	Sanam Gull Arshad (UniSa)	Vinylogous Reactivity of Isochromanone-3,4-dione: Access to Functionalized 3-Isochromanone	12:40

SESSIONE III.B (Aula 11) – Chimica Teorica Computazionale, Chimica Fisica e Chimica Analitica

N	Oratore	Titolo Presentazione	Orario
1	Gabriella Iula (UniNa)	Printed Electrochemical Strip to Evaluate the Pro-Oxidant effect of F/ZnO Quantum Dots	11:30
2	Valentina Arciuolo (UniNa)	Biophysical Insights into the Monomeric <i>HRAS</i> Promoter i-Motif	11:40
3	Sara Balocco (SSM)	Local A-site Control of Oxygen Vacancy Formation and Migration in $\text{Sr}_2\text{Fe}_{1.5}\text{Mo}_{0.5}\text{O}_{6-8}$: a First-Principles Study	11:50
4	Rachele Zunino (UniNa)	QM/MM Investigation of O_2 Binding in Arthropod Hemocyanin: Molecular Insights Across Arthropod Lineages	12:00



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5	Virginia Cuomo (UniNa)	Encapsulation of a dinuclear oxidovanadium(V) complex into horse spleen Ferritin for anticancer applications	12:10
6	Gabriella Tito (UniNa)	Metal-Protein Interaction at Physiological Temperature: X-ray Structures of Lysozyme with V and Rh Complexes at 37°C	12:20
7	Laura Di Rienzo (UniNa)	Biocompatible Albumin Nanoparticles via Sustainable Formulation Approaches	12:30
8	Rosa De Troia (UniNa)	First-principles investigation of diketopyrrolopyrrole and isoindigo-based non-fullerene electron transport materials for perovskite solar cells	12:40

SESSIONE IV.A (Aula Magna “L. Sorrentino”) – Spettrometria di Massa e Chimica Analitica

N	Oratore	Titolo Presentazione	Orario
1	Gilda D'Urso (UniSa)	Phytochemical Profiling and Molecular Mapping of <i>Daucus carota</i> Seeds by LC-ESI-HR-MS	14:15
2	Martina Carelli (UniNa)	Toxin-based monitoring of <i>Ostreopsis cf. ovata</i> by complementary Intact and Oxidative LC-MS/MS approaches	14:25
3	Orsolina Vetrano (UniSa)	Comparative Evaluation of Conventional and Green Extraction Approaches for Polyphenol Recovery from Strawberry Leaves	14:35
4	Elva Morretta (UniNa)	Label-Free Functional Proteomics Uncovers Dolabellatriene Interactome in Human Leukemia Cells	14:45
5	Alessandra Glovi (UniNa)	From single to dual miRNA detection in liquid through paper-based electrochemical platform	14:55
6	Francesca Monzillo (UniSa)	Harnessing Computational Tools and Databases for Untargeted LC-HRMS Metabolomics: Uncovering Glucosinolate Enrichment in <i>Brassica oleracea</i> Microgreens	15:05
7	Lucio Spinelli (UniNa)	Characterization and Multi-Omic Analysis of Lipid Nanoparticles' Biocorona	15:15
8	Andrea Elba Russo (UniNa)	Development of a LC-MRM/MS mass spectrometry method for molecular alterations in mouse serum and cerebral cortex	15:25
9	Teresa Ponticorvo (UniNa)	Into the hidden threat of Endocrine Disrupting Chemicals: Bisphenol A Releasing from Dental Materials	15:35



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10	Mattia Giugliano (UniNa)	Unveiling the Role of N-Acyl Taurines through Targeted LC– MS/MS: Implications for Gastrointestinal Health and Nutraceutical Potential	15:45
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SESSIONE IV.B (Aula 11) – Chimica Industriale e Chimica per le Tecnologie

N	Oratore	Titolo Presentazione	Orario
1	Maria Vittoria Mollo (UniCamp)	Thermal and Biological Evaluation of Sol-gel Zirconia Hybrids Embedded with Orange Peels Extract for Active Packaging Applications	14:15
2	Roberto Simonelli (UniCamp)	Comparison study between Alkali-Activated materials based on stone cutting processing waste	14:25
3	Marica Chianese (UniNa)	Esterification of Succinic Acid to Dimethyl Succinate: catalytic and kinetic study	14:35
4	Giovanna Letizia Ciaravola (UniNa)	Transesterification of Ethyl Levulinate with Methanol Catalyzed by Zr-Based MOF	14:45
5	Alessandro Esposito (UniNa)	Soybean oil-based 5-membered cyclic carbonates as bio-based building blocks for NIPU foams: catalysis, synthesis and kinetic aspects	14:55
6	Francesco Taddeo (UniNa)	3D-printed CSTR for the ketalization of ethyl levulinate with glycerol	15:05
7	Alessia Giannattasio (UniSa)	Assessment of PE, PP and PET Recovered from 30-Year-Old Landfill Bales: Structural, Thermal and Mechanical Behavior	15:15
8	Michele Tomasini (UniSa)	Unlocking Nonalternating Ethylene-CO Copolymerization via Ligand-Controlled Isomerization	15:25
9	Giuseppe Santoriello (UniSa)	Insights into the Ring-Opening Polymerization of <i>rac</i> -β- Butyrolactone: The Key Role of Ligand-Assisted Initiation	15:35
10	Annamaria Acquaviva (UniBa)	Flow chemistry applied for the production of hydrogenated sugars	15:45

SESSIONE V.A (Aula Magna “L. Sorrentino”) – Chimica Farmaceutica

N	Oratore	Titolo Presentazione	Orario
1	Martina Ridinò (UniNa)	Preclinical Investigation of BAR501 Metabolic Profile through the Synthesis of Putative Metabolites as Analytical Standards	16:30



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2	Ester Colarusso (UniSa)	Targeted Degradation of BRD9 through Novel 2,4-Dihydro-3 <i>H</i> -1,2,4-triazol-3-one-Based PROTACs	16:40
3	Lilia Losco De Cusatis (UniNa)	CFD-Guided Development of a Microfluidic Platform for Core-Shell Polymeric Drug Carriers	16:50
4	Simona Barone (UniNa)	Fine-tuning the combination of spirocyclic cap groups and heterocyclic zinc binding groups for selective HDAC6 inhibition	17:00
5	Chiara Battisegola (UniNa)	Bioisosteric Design and MCR-Based Synthesis of Novel Tetrazole-Based Arginase Inhibitors	17:10
6	Ilaria Cecere (UniNa)	NMR Structure and Dynamics of the cIAP2-BIR1 Domain	17:20
7	Martina Pierri (UniSa)	Development of new c-Myc PROTACs incorporating a simplified 1,3-diphenylurea motif	17:30

SESSIONE V.B (Aula 11) – Chimica dei Sistemi Biologici

N	Oratore	Titolo Presentazione	Orario
1	Clementina Acconcia (UniCamp)	Insights into the structural and dynamical features of Melatonin binding to MT1 receptor	16:30
2	Valentina Migliore (UniCamp)	NMR-based Structural Characterization of Pantinin-Derived Peptides against Veterinary Herpesviruses	16:40
3	Virginia Fusco (UniCamp)	Aggregation and neurotoxicity mediated by interactions between Nanoplastics and N-Terminal Domain of Human Prion Protein	16:50
4	Onofrio Cozzolino (UniCamp)	NMR Investigation of the Interaction Between Cyclophilin A and the AIF-Derived Peptide CC1	17:00
5	Maria della Valle (CNR)	Structural and dynamical characterization of novel human 20S proteasome activators	17:10



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