



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026
Hotel Royal Continental | Centro Congressi Federico II

AUTORE PRESENTATORE	TITOLO DEL CONTRIBUTO	CODICE
C. Platella	Unraveling the NMR structures of G-quadruplex-forming aptamers acting as inhibitors of HMGB1 pathological activity	PC-1
E. Napolitano	2'-Fluoro-Arabinonucleic Acids (2'F-ANA) as valuable chemical tools to stabilize G-quadruplex structures: design, synthesis and characterization of aptamer analogues as HMGB1 inhibitors	PC-2
A. Astone	A Triflone-Based Metal-Free Strategy for 1,1-Disubstituted Epoxides and Alkenes	PC-3
E. Lepore	Spent coffee valorization with Deep Eutectic Solvents (DESs)	PC-4
A. Palmieri	Sulfated Prism[6]arene: A Novel Water-Soluble Host for Molecular Recognition of Organic Pollutants	PC-5
A. Vicenti	Novel Sulfonium Reagents for the Modular Synthesis of Spiro[2.3]hexanes and their Heteroatom-Containing Analogues: Synthesis, Application, and Evaluation as Bioisosteres	PC-6
C. Vissani	Photo-radical enol chemistry with aryldiazosulphones	PC-7
S. Magistrelli	Synthesis of Hybrid Haptens as promoters of Ciguatera Antibodies through Prins cyclization	PC-8
G. Montella	Enantioselective Phase-Transfer Catalyzed Radical Perfluoroalkylation of Phthalides	PC-9
O. Maiocco	Calix[4]arenes functionalized with amine derivatives for CO ₂ capture	PC-10
R. Cafora	Compound-Driven Extraction Optimization and Bitter Taste Receptor Evaluation of Prenylated Hop Derivatives from Brewer's Trub	PC-11
S. Usai	Access to 2-oxabicyclo[2.1.1]hexan-3-one as new (bio)isosteres in medicinal chemistry	PC-12
D. Di Somma	Light-Driven Conversion of Alkynes into β -Amino Carbonyl Compounds	PC-13
Y. Benhamidat	Photocatalyzed Synthesis of Perfluoroalkylated 4-Carboxy-1,3-azoles	PC-14
F. Morandi	Exploring Alcohol Phosphorylation through Dimeric Imidazole-Based Catalysts	PC-15
G. M. Siciliano	Engineering Multivalent Calixarene Conjugates for Glucocerebrosidase Stabilization and Activity Recovery	PC-16
C. Volpe	Site-Selective Deuteration via Aliphatic Sulfonium Platforms	PC-17
J. Mancini	Importance of Polar Effects in Halogen-Atom Transfer from Alkyl Iodides to α -Aminoalkyl Radicals. A Kinetic and Computational Evaluation of the Role of Structural and Medium Effects	PC-18
M. Maio	LC-MS analysis of the polar extracts of wild <i>Daucus carota</i> L. seeds and their biological activities.	PC-19
M. Magliaro	Development of a Chiral Biotin-Conjugated DOTA-like Ligand as a Potential Targeted Contrast Agent for MRI.	PC-20
A. Genesi	Engineering and synthesis optimization of organic ligands for the development of perovskite nanocrystal-based inks	PC-21
M. Medrzycka	Light-Driven Organocatalytic Birch Reduction for Late-Stage Drug Modification and sp ³ -Rich Spirocycle Synthesis	PC-22
R. Marinaro	Design and Synthesis of a Peptide-Functionalized Mesoporous Silica Nanocarrier for Targeted Delivery of Bortezomib	PC-23



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026
Hotel Royal Continental | Centro Congressi Federico II

C. Eletti	One-Pot Synthesis of Rotaxanes Driven by an Activated Carboxylic Acid	PC-24
S. Laudani	Characterization of Glycosylation in Fenugreek (<i>Trigonella foenum-graecum</i>) Proteins	PC-25
J. Saglietto	Photochemical [2+2]-cycloadditions of alkoxyallenes with N-methylmaleimide	PC-26
S. S. Esposito	Organocatalytic Stereoselective Aldol Reactions of α -Angelica Lactone	PC-27
M. Giugliano	DARTS-driven screening of catechol and quercetin derivatives: looking for new modulators of Pancreatic Lipase	PC-28
M. Pierri	Innovative Targeted Protein Degradation Technologies for BRD9 Modulation in Cancer	PC-29
N. Fiorucci	Decarboxylative Radical Coupling Enabled by an Iminium-Ion-Based Photodecarboxylase	PC-30
E. Colarusso	Identification of new ER α inhibitors via Inverse Virtual Screening approach	PC-31
L. Lazzarini	Green alternative for the reduction of benzothiadiazole units in a porous polymer	PC-32
G. Tempra	From molecular design to synthesis: novel potential degraders for Tauopathies	PC-33
F. Sardelli	From Chemical Discovery to Biological Evaluation of Novel Heterobicyclic Scaffolds as Lipid-Lowering and Neuroprotective Agents	PC-34
A. De Cicco	Rational design, synthesis and biological evaluation of novel GSA-10 derivatives as remyelinating agents	PC-35
V. Ubertini	From Light Harvesting to Molecular Complexity: The Role of Primitive Organic Matrices	PC-36
V. Rendo	Modelling Alternative Forms of Nucleic Acids: Role of Catalysts, Solvents, and Energy Sources in the Multicomponent Synthesis of PNA Building Block	PC-37
C. Pagano	Polymeric Molecular Structures Based on G-Quadruplexes and Their Applications	PC-38
A. Cenni	Anti-BCL2 Peptide Nucleic Acids: from synthesis to potential therapeutic application	PC-39
S. Raucci	Antimycotic Activity of Synthetic and Natural Antimicrobial Peptides in Monotherapy and in Combination Against Candida Species Responsible for Urogenital Infections	PC-40
C. Amato	Decarboxylative cross coupling reactions in Deep Eutectic Solvents	PC-41
R. Nappi	A chemical insight into the effect of catechin and related compounds on the Maillard reaction.	PC-42
R. Barbato	Gut-Restricted GPBAR-1 Agonists in the Treatment of Inflammatory Bowel Disease	PC-43
A. d'Ettorre	First Principles Investigation of D- π -A Organic Photosensitizers for Metal-Organic Frameworks	PC-44
G. Della Nave	Exploring arylazopyrazole-iminosugar conjugates as light-controlled bioactive agents	PC-45



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026

Hotel Royal Continental | Centro Congressi Federico II

F. Ferrari	Synthesis of modified Peptide Nucleic Acids (PNAs) and their application in the targeting of non-canonical DNA secondary structures	PC-46
A. Yousaf	Iron-Catalyzed Sonogashira Cross-Coupling in Deep Eutectic Solvents: A Sustainable Approach Using Earth-Abundant Metals	PC-47
A. G. Raiola	Development of PNA-Based Artificial DNases	PC-48
R. P. Destriere	Influence of Electron-Withdrawing Substituents on the Structural and Photoredox Properties of KuQuinones	PC-49
G. Scarpino	Synthesis of Elenolic Acid Analogues for SAR Investigation of EVOO Secoiridoids Neuroprotectig Action	PC-50
A. Mastrolorenzo	Exploring the Boundaries of Cyclometallated Iridium(III) Sensitizers in Photoelectrochemical Organic Transformations	PC-51
S. Mohammadi	Molecularly Imprinted Polymer Integrated with Ru-Dione Complex and Carbon Dots as a Ratiometric Fluorescent Sensor for Ultra-Sensitive Detection of Tetracycline	PC-52
A. Pintus	Enhanced ROS-Driven Photocatalysis via π -Conjugation Extension in Oligothiophenes	PV-53
S. Alfei	Also Sub Micro Molar Concentrations of Synthesized Ursolic Acid (UA) Derivative Rapidly Exterminate MDR HR-NB HTLA Cells, Outperforming UA and Etoposide	PC-54
G. Floresta	Anti-Invasive Peptide-Functionalized Theragnostic Nanotubes for Selective C-Met Targeting in Cancer	PC-55
S. Contena	Self-assembling photoacidic systems featuring merocyanine/spiropyran amphiphiles	PC-56
E. Tarsi	Synthesis of a Novel Bio-based Crosslinking Agent Derived from Sucrose via Selective Allylation and Epoxidation	PC-57
D. Evandri	Stille-Derived Oligothiophene and Oligoselenophene Linkers Embedded in UiO-68 MOFs via SALE Strategy	PC-58
G. Cortellucci	Synthesis and characterization of photosensitizers for the treatment of retinal degenerative diseases	PC-59
L. Mariano	Synthesis and characterization of open-shell organic radicals as redox-active compounds	PC-60
H. I. M. Amin	Visible-Light Reactivity of Diazoaryl Sulfides: From "On Water" Photochemistry to Solvent Functionalization and XAT Processes	PC-61
F. Formaggio	Synthesis and evaluation of the antitumor efficacy of ferrocene-peptide hybrids	PC-62
E. Brancaccio	Moesin and Galectin-3 emerge as functional targets of Silybin A in cancer cells	PC-63
A. Mustafa	Molecular Structure and Reactivity of Residual Reagents in 'HPP' Polymers: Derivatization Strategies and HPLC-Mass Analysis	PC-64
G. Siani	Decoupling CO ₂ Capture Kinetics and Thermodynamics in Diol-Based LTTMs	PC-65
A. Fontana	Phenolic monoterpenes in liposomal membranes: insights into terpene-lipid interactions and membrane permeability	PC-66
A. Massa	3-Hydroxypyrrone in Diels-Alder cascade reactions for the synthesis of phenols and related compounds.	PC-67



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026

Hotel Royal Continental | Centro Congressi Federico II

A. Fin	Expanding PNA Functionality with Custom (Pseudo)Monomer Units	PC-68
C. Coppola	A Life Cycle Thinking Approach for the ecodesign of intermolecular singlet fission organic chromophores and red-emitting materials	PC-69
G. Favi	Vinylogous Aza-Enamines as d3-Nucleophiles in the Assembly of Pyrrol(in)es	PC-70
R. Vaya	Bacterial glycoconjugates as targets for new therapeutics and diagnostics	PC-71
C. Finamore	Loop Engineering of Telomeric G-Quadruplexes for Enantioselective Sulfoxidation Catalysis	PC-72
A. De Lisa	Advancing Epigenetic Cancer Therapy: Development of chiral BYETACs for Direct Proteasomal Degradation via USP14	PC-73
A. Trifoglio	Amphiphilic water-soluble oligothiophenes: a simple end-functionalization route to enable their use in aqueous environments	PC-74
S. Potenti	Proline-decorated 5,6-dihydroxyindole: a useful precursor for the preparation of a water-soluble melanin pigment	PC-75
C. G. Gaslini	Dependence of the molecular weight distribution on the stoichiometric ratio in polymerization processes of semiconducting polymers performed in a microheterogeneous environment	PC-76
M. Cammarota	A new marine-derived fungus Tamaricicola fenicei sp. as source of antiviral metabolites	PC-77
L. De Crescentini	Simple and effective synthesis of pyrazolo[5,1-b]thiazoles, through MCR sequential method	PC-78
G. Mari	Regioselective diazadiene-mediated synthesis of pyrrole-derived hybrids from Curcumin and Berberine	PC-79
F. Mantellini	Divergent Skeletal Editing of Polycyclic Indolines	PC-80
R. Mancuso	Synthesis of 5-Iminofurothienopyranone and 6-Iminopyranothienopyranone Derivatives by PdI2-Catalyzed Carbonylative Double Cyclization	PC-81
R. Mancuso	Intramolecular Cyclization of 3-Alkynylthiophene-2-carboxamides: Lawesson Reagent-Mediated Synthesis of Thienothiophenimines	PC-82
A. Garcia-Chinchilla	Molecular Recognition of Bacterial Glycoconjugates by Host Immune System	PC-83
M. Aliberti	In silico Repurposing Juglanaloids as 5-LOX Inhibitors and Structure-Based Design of Novel Derivatives	PC-84
S. Riela	From Clay Nanomaterials to Sustainable Applications: EONANOBIOPS as a Model of Transnational Cooperation for Sustainable Innovation	PC-85
G. D'Urso	ROCK2 as a Selective Target of a Synthetic Mycalin A-Derived Lactone in Melanoma Cells	PC-86
A. Ciogli	Quantification of carboxyl groups of graphene oxide by UV-based method using the Tröger's base: an easy alternative to the titration approach.	PC-87
F. M. Perna	Sustainable and Scalable Synthesis of Indirubin Derivatives in Deep Eutectic Solvents	PC-88
G. Salerno	Optimizing Spectral Matching and New Sustainable Perspectives for Indoor Dye-Sensitized Solar Cells (DSSCs)	PC-89



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026

Hotel Royal Continental | Centro Congressi Federico II

G. Campanile	Supramolecular Catalysis for the Efficient Degradation of Synthetic Dyes with Carboxylate-Prism[6]arene	PC-90
P. Maiorano	Bile Acid-Derived Cholesterol Surrogates to Enhance Lipid Nanoparticle-Mediated mRNA Delivery	PC-91
C. Giannini	Design and synthesis of novel G4 ligands through functionalization of heterocyclic scaffolds	PC-92
S. Princiotta	First divergent stereoselective synthesis of glomuferrin and rhizoferrin as ferroptosis inhibitors in rice blast disease	PC-93
G. Di Fabio	Rosmarinic Acid-Derived Scaffolds for Bioactive Chemical Space Exploration	PC-94
D. Capasso	Functionalization of Eumelanin Precursors for Organic Electronic Applications	PC-95
A. Palmioli	Phytochemical Profiling and Anti-Amyloidogenic Activity of Myrtle Leaf Extracts	PC-96
P. Maggiore	Spatiotemporal detection of ATP with a nanoparticle platform	PC-97
D. Drusiani	New Approaches to the Synthesis of Quinazoline and Dihydroquinazoline Scaffolds in Active Pharmaceutical Ingredients	PC-98
F.Valentini	Design and Synthesis of 5-AcetylKuQuinone as a Potential mTORC1-Targeting Anticancer Agent	PC-99
S. Amoroso	Design and Synthesis of Photo-responsive Amphiphiles as Tools for Controlling Membrane Permeability	PC-100
M. Blangetti	[2.2]Metacyclophane Carbamates: Synthesis, Metalation, and Desymmetrization	PC-101
A. Manicardi	A DOP-based bioorthogonal templated ligation: from reaction scope expansion to a robust DNA detection platforms	PC-102
M. Rosati	Polymer Recovery and Downstream Valorisation of Lithium-Ion Batteries Separators	PC-103
F. Mancin	Rational Design of Gold Nanoparticle-based Chemosensors for Detection of the Tumor Marker 3-methoxytyramine	PC-104
R. Villano	Small molecules from the human microbiome: the key role of organic synthesis in the study of microbiota metabolites	PC-105
M. Miele	Expanding Carbenoid Chemistry Toward Fluorinated and Functionalized Building Blocks	PC-106
A. Camilli	Beyond the Surface: Probing the Internal Structure of Carbon Dots	PC-107
D. Rosa Gastaldo	Tuning Organic Supramolecular Semiconductors for Asymmetric Photocatalysis	PC-108
A. Gualtieri	Design and Synthesis of Hydroxytyrosol-Oleyl-Based Formulations of Olive Oil Polyphenols: Evaluation in Colorectal Adenocarcinoma Cell Lines	PC-109
M. Del Vecchio	Berberine-Loaded Mucoadhesive Hyaluronic Acid-Chitosan Hydrogel (BBR@HA-BDDE/CS) as an Adjuvant Strategy for HPV-Positive Cervical Cancer Treatment	PC-110
F. Lorenzo	Carboxylic deep eutectic solvents improve phenolic extraction from grape pomace	PC-111



XLIII Convegno Nazionale della Divisione di Chimica Organica

Napoli, 13 | 17 settembre 2026
Hotel Royal Continental | Centro Congressi Federico II

R. Scarpelli	New green formulation of bioactive compounds from Ligstroside: evaluation of Antioxidant and anti-Myeloma Properties	PC-112
S. Rossi	Decahydroquinoxaline-Derived Chiral Phosphoric Acids: A Modular Scaffold for applications in enantioselective transformations	PC-113
E. Colombo	In-continuo on water addition of organosodium reagents to aldehydes	PC-114
R. Cirilli	A Hydroxymethyl-Functionalized BT ₂ T ₄ Derivative: Synthesis, HPLC Enantioseparation and Absolute Configuration Determination	PC-115
K. Martina	Advancing Chemical Synthesis: The Benefits of Integrating Continuous Flow with Microwave and Photochemical Methods	PC-116
C. Aliberti	Design, synthesis and structural characterization of T30175 Aptamer Analogues as Molecular platform for drug delivery	PC-117
S. Angelino	Polyphenol-Diamine Interplay as a Platform for Multifunctional Coatings	PC-118
N. Burrini	Structural and Conformational Insights into Bacterial Lectin Recognition of Host Receptors	PC-119
S. Novelli	Structural Biology Studies of Small Ligands Binding to Siglec-7 and STING	PC-120
P. Scognamiglio	Brewing by-products as a source of bioactive metabolites: An untargeted LC-HRMS/MS and Molecular Networking study of trub	PC-121
O. Serpino	Structural biology approaches for the characterization of Shigella O-Antigen specific monoclonal antibodies	PC-122
L. Polito	Shaping Engineered Gold Nanoparticles Using Microfluidic Technology	PC-123
S. Superchi	Absolute Configuration Assignment of Several Chiral N-Methylcorroles by ECD Analysis on Their Chiral HPLC Separated Fractions	PC-124
E. Santoro	Stereodynamical Probes for Chiral Characterization: Diphenylimides	PC-125
L. Macale	N-glycosylation patterns on major capsid proteins of novel chloroviruses, FR483 and P-NE-9, revealed by NMR studies	PC-126
I. Cioccia	From Longevity to Oncology: Acylated Cycloastragenol Derivatives as Novel Senomorphic Agents	P -127