

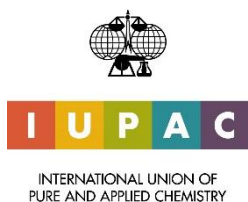


**31st International Symposium on the Chemistry of Natural Products
and 11th International Congress on Biodiversity
(ISCNP31 & ICOB11)**

**Napoli Italy - October 15th - 19th 2023
Congress Center of the Hotel Royal Continental
Via Partenope, 38, 80121 Napoli IT**



ORGANIZERS



SCHEMATIC PROGRAM

| Sunday October 15 th 2023 | | |
|---|-------|--|
| 13:00 | 15:00 | Registration |
| 15:00 | 16:00 | Opening Ceremony |
| 16:00 | 18:00 | Plenary Session |
| 19:00 | 21:00 | Welcome cocktail |
| Monday October 16 th 2023 | | |
| 9:00 | 11:15 | Parallel Sessions ST1 - Bioactive Natural Products and Drug Discovery ST3 - Food and Food Supplements |
| 11:15 | 11:45 | Coffee break |
| 11:45 | 13:05 | Plenary Session |
| 13:15 | 14:45 | Lunch break |
| 15:00 | 18:45 | Parallel Sessions ST1 - Bioactive Natural Products and Drug Discovery ST2 - Role of Natural Products in Cosmetic Formulations ST5 - Biodiversity and Chemical Ecology |
| Tuesday October 17 th 2023 | | |
| 9:00 | 10:20 | Plenary Session |
| 10:20 | 11:00 | Coffee break |
| 11:00 | 13:00 | Parallel Sessions ST1 - Bioactive Natural Products and Drug Discovery ST6 - New Methodologies in Natural Products Research |
| 13:00 | 14:30 | Lunch break |
| 14:45 | 18:15 | Parallel Sessions ST1 - Bioactive Natural Products and Drug Discovery ST6 - New Methodologies in Natural Products Research |
| 18:15 | 20:00 | Poster Session 1: PO1-PO60 (ST1, ST2, ST3) |
| Wednesday October 18 th 2023 | | |
| 9:00 | 10:20 | Plenary Session |
| 10:20 | 11:00 | Coffee break |
| 11:00 | 13:00 | Plenary Session |
| 13:00 | 14:30 | Lunch break |
| 14:45 | 18:15 | Parallel Sessions ST1 - Bioactive Natural Products and Drug Discovery ST5 - Biodiversity and Chemical Ecology |
| 18:15 | 19:45 | Poster Session 2: PO61-PO120 (ST1, ST4, ST5, ST6) |
| 20:30 | | Symposium Dinner |
| Thursday October 19 th 2023 | | |
| 9:00 | 10:50 | Plenary Session |
| 10:50 | 11:20 | Coffee break |
| 11:20 | 12:00 | Plenary Session |
| 12:00 | 12:30 | Closing ceremony |
| 14:00 | 17:00 | Satellite Workshop at ISCNP13 & ICOB11 by EU-Openscreen: "Accelerating natural product discovery by academic and industrial collaborative initiatives" |

SCIENTIFIC PROGRAM

| Sunday October 15 th 2023 | | |
|--------------------------------------|-------|--|
| 13:00 | 15:00 | Registration |
| Auditorium Royal Continental | | |
| 15:00 | 16:00 | Opening Ceremony |
| 16:00 | 18:00 | PLENARY SESSION |
| | | Chair: Maria Valeria D'Auria, Antonio Molinaro |
| 16:00 | 16:40 | PL1 Peter Seeberger "Automated glycan assembly as basis for life science and material science" |
| 16:40 | 17:10 | IL1 Mark Brönstrup "Assault, siege or trojan horse strategy: use of natural products to fight bacterial infections" |
| 17:10 | 17:50 | PL2 Valerie J. Paul "Marine chemical ecology in a changing ocean" |
| 17:50 | 18:30 | PL3 Paul Reddell "From rainforest to clinic: A case study of the scientific and developmental challenges in commercialising natural products as pharmaceuticals" |
| | | |
| 19:00 | 21:00 | Welcome cocktail |

| Monday October 16 th 2023 | | |
|--|--------------|--|
| 09:00 | 11:15 | MORNING PARALLEL SESSIONS |
| | | |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| | | Chair: Roberto Berlinck, Maria Luisa Menna |
| 09:00 | 09:30 | ST1 KN1 Rachel Mata "An overview of the chemistry and bioactivity of the fungal genus <i>Malbranchea</i> " |
| 09:30 | 09:45 | ST1 OR1 Maria Laura Bellone "Investigation of the mechanism of action of the Propolis-Punica granatum mixture as an additional therapeutic source for rheumatoid arthritis treatment" |
| 09:45 | 10:00 | ST1 OR2 Sabrina Bertini "Synthesis and physio-chemical properties of sulfated tamarind (<i>Tamarindus indica</i> L.) seed polysaccharide" |
| 10:00 | 10:15 | ST1 OR3 Matthias Bierenstiel "MASKWIO'MI: investigation of medicinal properties of a canadian indigenous topical skin remedy made from birch bark" |
| 10:15 | 10:30 | ST1 OR4 Tania Ciaglia " In vitro and in vivo pharmacological characterization of a potent indole-based soluble epoxide hydrolase inhibitor" |
| 10:30 | 10:45 | ST1 OR5 Claudia Sciacca "Bioactive neolignans magnolol, honokiol and obovatol and their synthetic analogues as digestive enzymes inhibitors" |
| 10:45 | 11:15 | ST1 OR6 Fernando Reyes "Crossiellidines A-F, Unprecedented Pyrazine-Alkylguanidine Metabolites with Broad-Spectrum Antibacterial Activity from <i>Crossiella</i> sp." |
| | | |
| ST3 - Food and Food Supplements: Mirabilis Room | | |
| | | Chair: Gianni Galaverna, Pietro Campiglia |
| 09:00 | 09:30 | ST3 KN1 Isidra Recio "Protein gastrointestinal digestion and intestinal sensing for satiety" |
| 09:30 | 09:45 | ST3 OR1 Manuela Giovanna Basilicata "Integrated analytical tools and bioassays to elucidate the protective role of a novel Spirulina, Ganoderma and Moringa combination in a doxorubicin mediated cardiac damage models" |
| 09:45 | 10:00 | ST3 OR2 Martina Cirilini "Hemp seeds: a source of potential bioactive natural compounds" |
| 10:00 | 10:15 | ST3 OR3 Gilda D'Urso "Fecal metabolomic fingerprinting of breastfed late preterm infants versus postbiotic-supplemented formula milk" |
| 10:15 | 10:30 | ST3 OR4 Marcos Soto-Hernandez "Mexican purple corn: a promising source of anthocyanins" |

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| 10:30 | 10:45 | ST3 OR5 Tullia Tedeschi "Evaluation of in vitro whey protein digestibility in a protein-catechins model system mimicking milk chocolate" |
| 10:45 | 11:15 | ST3 KN2 Manuel Coimbra "Carbohydrates in food - Challenges and opportunities for clean label strategies" |
| 11:15 | 11:45 | Coffee break |
| Auditorium Royal Continental | | |
| 11:45 | 13:05 | PLENARY SESSION |
| | | Chair: Lidia Armelao, Alexios Leandros Skaltsounis |
| 11:45 | 12:25 | PL4 Meng Zhou "Tetrodotoxin: chemistry, history, nature, opportunity" |
| 12:25 | 13:05 | PL5 Maria Chiara Carrozza, Presidente Consiglio Nazionale delle Ricerche "Biodiversity: our path to a sustainable future" |
| 13:15 | 14:45 | Lunch break |
| 15:00 | 18:45 | AFTERNOON PARALLEL SESSIONS |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| | | Chair: Mary Garson, Agostino Casapullo |
| 15:00 | 15:30 | ST1 KN2 Kristyna Skalicka "Investigations into the pharmacokinetics and possible neuropharmacological modes of action of coumarins in different model organism" |
| 15:30 | 15:45 | ST1 OR7 Laura Grauso "Diarylheptanoids from the seagrass <i>Zostera marina</i> : an intriguing history" |
| 15:45 | 16:00 | ST1 OR8 Valeria Lobbi "Exploitation of ligurian rosemary ecotypes for a sustainable development" |
| 16:00 | 16:15 | ST1 OR9 Ismail Nor Hadiani "Search for Dengue antiviral compounds from <i>Goniothalamus lanceolatus</i> Miq., an indigenous Malaysian plant" |
| 16:15 | 16:30 | ST1 OR10 Laurence K. Jennings "Plumoside, a novel cysteine-rich peptide hydrogel from the Irish sponge <i>Phorbis plumosus</i> " |
| 16:30 | 17:00 | Coffee break |
| | | Chair: Maria Chiara Monti, Orazio Tagliatela Scafati |
| 17:00 | 17:30 | ST1 KN3 Wen Zhang "Marine function molecules: from chemical recognition to target detection" |
| 17:30 | 17:45 | ST1 OR11 Olga Karoutzou "Chemistry and leishmanicidal activity of <i>Artemisia</i> spp. from Greece" |
| 17:45 | 18:00 | ST1 OR12 Yuta Kudo "MS-guided discovery of novel tricyclic guanidino compounds from tetrodotoxin-bearing newts and new analogues of antimalarial phosphotriester salinipostin from actinobacteria" |
| 18:00 | 18:15 | ST1 OR13 Naoaki Kurisawa "Structural determination, total synthesis, and biological activity of lezoside, a highly potent Ca ²⁺ -ATPase inhibitor from marine cyanobacteria" |
| 18:15 | 18:30 | ST1 OR14 Liang Zhao-Xun "Pathway retrofitting yields insights into the biosynthesis of anthraquinone-fused enediynes" |
| 18:30 | 18:45 | ST1 OR15 Maria Maisto "Optimization of ursolic acid extraction in oil from annurca apple to obtain oleolytes with potential depigmentation activity" |
| ST2 - Role of Natural Products in Cosmetic Formulations: Mirabilis Room 1 | | |
| | | Chair: Federica Borsa, Rita Patrizia Aquino, Stefano Manfredini |
| 15:00 | 15:30 | ST2 KN1 Manuela Coroama "The European Green Deal: impact for cosmetics" |
| 15:30 | 15:45 | ST2 OR1 Erika Baldini "Exploring botanical extracts for sustainable cosmetics: enhancing agronomic heritage and antioxidant stability" |
| 15:45 | 16:00 | ST2 OR2 Tiziana Esposito "Green Concept and Technologies for microalgal bio-based cosmetics" |
| 16:00 | 16:15 | ST2 OR3 Piera De Martino "Upcycling squalene as penetration enhancer in dermatological and |

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| | | cosmetic formulations" |
| 16:15 | 16:30 | ST2 OR4 Claudio Pirovano BIO-BASED FILM-FORMERS: THE FUTURE OF LONG-WEAR MAKEUP |
| 16:30 | 17:00 | Coffee break |
| | | Chair: Federica Borsa, Stefano Manfredini, Piera De Martino |
| 17:00 | 17:30 | ST2 KN2 Gaetano Distefano "Remixing nature: the new renaissance of plant-based cosmetic ingredients" |
| 17:30 | 17:45 | ST2 OR5 Annalisa Tito "Biological activity assessment of active ingredients" |
| 17:45 | 18:00 | ST2 OR6 Maria Rosa Gigliobianco "Green approach for the activation of polyphenolic compounds for dermatological and cosmetic applications" |
| 18:00 | 18:15 | ST2 OR7 Immacolata Faraone "Protective effect of <i>Camellia sinensis</i> L. extracts on UVB-irradiated fibroblasts to use in cosmetic formulations" |
| ST5 - Biodiversity and Chemical Ecology: Mirabilis Room 2 | | |
| | | Chair: Juri Nascimbene, Valerie Paul |
| 15:00 | 15:30 | ST5 KN1 Ferdinando Boero "Life is Chemistry? Not only" |
| 15:30 | 15:45 | ST5 OR1 Morgane Mauduit "Accessing the hidden treasure of brominated exometabolites released by two Mediterranean sponges" |
| 15:45 | 16:00 | ST5 OR2: Gerardo Della Sala "Linking genomics and metabolomics to discover bioactive natural products in marine extremophiles" |
| 16:00 | 16:30 | ST5 KN2 Ernesto Mollo "The potential of chemical ecology to explore marine biodiversity at ecosystem, species, and genetic levels" |
| 16:30 | 17:00 | Coffee break |
| | | Chair: Angelo Fontana, Lars Bholin |
| 17:00 | 17:30 | ST5 KN3 Simonetta Frascchetti "The need of healthy oceans" |
| 17:30 | 17:45 | ST5 OR3 Giovanni Andrea Vitale "Investigating the role of cyanobacteria protease inhibitors on modulating the exo-metabolome in the marine microbial loop" |
| 17:45 | 18:00 | ST5 OR4 Tania Russo "An alien metabolite and an anthropogenic chemical hazard compared on <i>mytilus galloprovincialis</i> " |
| 18:00 | 18:15 | ST5 OR5: Carmen Gallo "Sterol sulfates as deadly mediators in marine diatoms and triggers in innate immune system" |
| 18:15 | 18:30 | ST5 OR6: Giovanna Romano "Potential of marine diatoms for bioactive secondary metabolites production: ecological and biotechnological implications" |

| Tuesday October 17th 2023 | | |
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| Auditorium Royal Continental | | |
| 09:00 | 11:00 | PLENARY SESSION |
| | | Chair: Gianluca Sbardella, Minoru Ueda |
| 09:00 | 09:40 | PL6 Karl-Heinz Altmann "Total Synthesis and Functional Exploration of Macrocyclic Natural Products" |
| 09:40 | 10:20 | PL7 Luigi Mondello "Advanced analysis of lipids in food samples using innovative chromatographic and mass spectrometric approaches" |
| 10:20 | 11:00 | Coffee break |
| 11:00 | 13:00 | MORNING PARALLEL SESSIONS |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| | | Chair: Christian Hertweck, Ernesto Mollo |
| 11:00 | 11:30 | ST1 KN4 Maria Halabalaki "Bioavailability and metabolism aspects of natural bioactives. The case of phenylalcohols and secoiridoids" |

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| 11:30 | 11:45 | ST1 OR16 Simone Manetto "Absolute configuration and configurational stability of cannabichromene (CBC), a scalemic phytocannabinoid" |
| 11:45 | 12:00 | ST1 OR17 Laura Siracusa "The crucial role of soil less cultivation techniques in Natural Product - based industrial applications: the project <Botanicals>" |
| 12:00 | 12:15 | ST1 OR18 Jiří Hodoň "Triterpenoid pyridines and pyrazines as potential anticancer agents" |
| 12:15 | 12:30 | ST1 OR19 Sandra Latchman "The chemical transformation of stemodin into biologically active analogues" |
| 12:30 | 13:00 | ST1 KN5 Alba Silipo "Solving the sugar code: structure and immune recognition of glycans" |
| ST6 - New Methodologies in Natural Products Research: Mirabilis Room | | |
| | | Chair: Jürg Gertsch, Angela Zampella, |
| 11:00 | 11:30 | KN (interdisciplinary) Valeria Costantino "Fosters interdisciplinary conversations for sustainable science" |
| 11:30 | 11:45 | ST6 OR1 Gaia Burgio "Exploring the complexity of natural products with Assembly Theory & Mass Spectrometry" |
| 11:45 | 12:00 | ST6 OR2 David Touboul D "Identification of chemical defenses of a tropical tree <i>Sextonia rubra</i> using molecular networks from GC-MS, LC-MS/MS and MALDI-MS/MS imaging data" |
| 12:00 | 12:15 | ST6 OR3 Maurice Brogly "New insights in chemical structure determination of wood-derivative polymers" |
| 12:15 | 12:30 | ST6 OR4 Clelia Aimone "Sustainable extraction protocols for chestnut wood valorization" |
| 12:30 | 13:00 | ST6 KN1 Maria Chiara Monti "Proteomics-aided insight to disclose natural products cellular targets" |
| 13:00 | 14:30 | Lunch break |
| 14:45 | 18:15 | AFTERNOON PARALLEL SESSIONS |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| | | Chair: Krystyna Skalicka-Woźniak, Valeria Costantino |
| 14:45 | 15:15 | ST1 KN6 Carmen Galan "Controlling G4 DNA topology with small molecules: towards the development of novel therapeutics" |
| 15:15 | 15:30 | ST1 OR20 Shauna O'Brien "Chlorinated atropisomers from cyanobacteria in the West of Ireland" |
| 15:30 | 15:45 | ST1 OR21 Otsuki Kouharu "Anti-HIV macrocyclic daphnane orthoesters from <i>Edgeworthia chrysantha</i> " |
| 15:45 | 16:15 | ST1 KN7 Emiliano Manzo "Sulfur-containing glycolipids, the access key for triggering and study the response of innate immune cells" |
| 16:15 | 16:45 | Coffee break |
| | | Chair: Alfonso Mangoni, Jörn Piel |
| 16:45 | 17:15 | ST1 KN8 Beate Kokschi "Construction and degradation of fluorinated biopolymers" |
| 17:15 | 17:30 | ST1 OR22 Monica Scognamiglio "Metabolomics approach for the rapid identification of cytotoxic cycloartane saponins from <i>Astragalus</i> species" |
| 17:30 | 17:45 | ST1 OR23 Elena Serino "PPAR γ / α modulation of new amorfrutins from <i>Glycyrrhiza foetida</i> " |
| 17:45 | 18:00 | ST1 OR24 Simon Sieber "Catch, enrich and release natural products from complex matrix" |
| 18:00 | 18:15 | ST1 OR25 Diana Lopes "Mucus of the photosynthetic sea slug <i>Elysia crispata</i> : proteome and anti-bacterial activity" |
| ST6 - New Methodologies in Natural Products Research: Mirabilis Room | | |
| | | Chair: Giuseppe Bifulco, Josè Maria Lagaron |
| 14:45 | 15:15 | ST6 KN2 Ariel Sarotti "Recent advances in computational NMR methods in the structural |

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| | | elucidation of natural products" |
| 15:15 | 15:30 | ST6 OR5 Ye Yang "Machine learning-integrated natural product chemistry research" |
| 15:30 | 15:45 | ST6 OR6 Hiroshi Otani "Development and application of new technologies to elucidate the transcriptional regulatory networks controlling secondary metabolite production" |
| 15:45 | 16:00 | ST6 OR7 Frank Xavier "Synthesis of fluorescent or bioactive azaphilones" |
| 16:00 | 16:15 | ST6 OR8 Lucas F. S. Hess "Beyond nature: development of a betalain-flavylium dye" |
| 16:15 | 16:45 | Coffee break |
| | | Chair: Maria Halabalaki, Alba Silipo |
| 16:45 | 17:15 | ST6 KN3 Maria Giovanna Chini "From structural studies of natural products to the design of novel bioactive derivatives by NMR and computational techniques" |
| 17:15 | 17:30 | ST6 OR9 Ioannis Gerotheranassis "Novel aspects in molecular recognition of natural products with serum albumin and the anti-apoptotic protein Bcl-2 with the combined use of NMR and docking calculations" |
| 17:30 | 17:45 | ST6 OR10 Jia Liu "Deep spatial multi-omics profiling of cholangiocellular carcinoma patients" |
| 17:45 | 18:00 | ST6 OR11 Martin Klapper "Reconstruction of paleolithic bacterial genomes adds time axis in natural product discovery" |
| 18:00 | 18:15 | ST6 OR12 Flore Caré "Innovative processes for natural active ingredients extraction and their online functionalization using flow chemistry technology" |
| Poster Rooms | | |
| 18:15 | 20:00 | Poster Session 1: PO1-PO60 (ST1, ST2, ST3) |

| Wednesday October 18th 2023 | | |
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| Auditorium Royal Continental | | |
| 09:00 | 11:00 | PLENARY SESSION |
| | | Chair: Alessandra Napolitano, Ren-Xiang Tan |
| 09:00 | 09:40 | PL8 Christian Hertweck "Natural product biosynthesis in underexplored microbial niches" |
| 09:40 | 10:20 | PL9 Roberto Danovaro "Deep-sea microbial biodiversity as a potential source of natural products" |
| 10:20 | 11:00 | Coffee break |
| 11:00 | 13:00 | MORNING PARALLEL SESSIONS |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| | | Chair: Carmen Galan, Ariel Sarotti |
| 11:00 | 11:30 | ST1 KN9 Mary Garson "Game of terpenes: structures, stereochemistry and biosynthesis" |
| 11:30 | 11:45 | ST1 OR26 Marcos Soto-Hernandez "Sechium edule genotypes as a source of natural products with pharmacological activity" |
| 11:45 | 12:00 | ST1 OR27 Rui Tan "Natural Product modified self-functioning of bone marrow mesenchymal stem cells" |
| 12:00 | 12:15 | ST1 OR28 Wai Lam Tse "Lanostane-type triterpenes from <i>Inonotus obliquus</i> exert cytotoxicity against dog bladder cancer organoids" |
| 12:15 | 12:30 | ST1 OR29 Minoru Ueda "Development of Natural-Product-based molecular glue for a specific subtype of plant hormone co-receptor" |
| 12:30 | 13:00 | ST1 KN10 Agostino Casapullo "Label-free MS-based proteomics in target discovery of natural products" |
| ST4 - Innovative and Eco-Friendly Materials: Mirabilis Room | | |
| | | Chair: Manuel Coimbra, Francesco Nicotra |

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| 11:00 | 11:30 | ST4 KN1 Jose M. Lagaron "From natural products and biowastes to organic recyclable added value applications" |
| 11:30 | 11:45 | ST4 OR1 Barbara Biasotti "Cationic guar: from a natural source to a sustainable cosmetic ingredient" |
| 11:45 | 12:00 | ST4 OR2 Aikaterini Argyropoulou "Utilization of olive agricultural residues for the development of high added value products for the wood processing industry" |
| 12:00 | 12:15 | ST4 OR3 Choo Kwang-Ho "Eco-friendly Fertilizer Production through Sustainable Nutrient Recovery from Wastewater Effluent Using Vacuum-Enhanced Membrane Distillation" |
| 12:15 | 12:45 | ST4 KN2 Laura Russo "Hyaluronic acid/gelatin based, A. I. aided, synthesis of 3D human tissue mimetics" |
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| 13:00 | 14:30 | Lunch break |
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| 14:45 | 18:15 | AFTERNOON PARALLEL SESSIONS |
| | | |
| ST1 - Bioactive Natural Products and Drug Discovery: Auditorium Royal Continental | | |
| Chair: Isidra Recio, Wen Zhang | | |
| 14:45 | 15:15 | ST1 KN11 Roberto Berlinck "Contemporary and classical approaches for the discovery of bioactive secondary metabolites" |
| 15:15 | 15:30 | ST1 OR30 Milan Urban "Lupane triterpenoids and their neuroprotective activity in several neurodegeneration models" |
| 15:30 | 15:45 | ST1 OR31 Alessandro Vaglica "Isolation and characterization of guaianolide-type sesquiterpene lactones and chemical analysis of essential oil from sicilian endemic <i>Siler siculum</i> " |
| 15:45 | 16:00 | ST1 OR32 Giel Vanreppelen "A pipeline towards the identification of novel antimicrobial compounds derived from the microbial dark matter" |
| 16:00 | 16:15 | ST1 OR33 Ali El Gamal "New iridoids and phenolic secondary metabolites from <i>Nuxia congest</i> growing in Saudi Arabia" |
| 16:15 | 16:45 | Coffee break |
| Chair: Rachel Mata, Laura Russo | | |
| 16:45 | 17:15 | ST1 KN12 Marialuisa Menna "Unraveling the marine natural products chemical space: approaches, challenges and perspectives" |
| 17:15 | 17:30 | ST1 OR34 Maria Carmina Scala "Rational design of lactoferrin-derived peptides active towards influenza virus: identification of a novel potent tetrapeptide" |
| 17:30 | 17:45 | ST1 OR35 Sacha Pidot "Discovery and biosynthesis of the cytotoxic polyene terpenomycin in human pathogenic <i>Nocardia</i> " |
| 17:45 | 18:00 | ST1 OR36 Theodora Papagrighoriou "In vitro antioxidant, antimicrobial and anti-inflammatory screening of Greek <i>Amelanchier ovalis</i> Medik. leaves and twigs extracts" |
| 18:00 | 18:15 | ST1 OR37 Ravi Saini "From nature to cancer therapy: evaluating the RTK-inhibiting potential of <i>Streptomyces clavuligerus</i> secondary metabolites" |
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| ST5 - Biodiversity and Chemical Ecology: Mirabilis Room | | |
| Chair: Nunziatina De Tommasi, Giovanna Romano | | |
| 14:45 | 15:15 | ST5 KN4 Jürg Gertsch "From biodiversity to pharmacodiversity: harnessing molecular mechanisms for future drug discovery" |
| 15:15 | 15:30 | ST5 OR7 Veronique Eparvier "Chemical interaction and communication in insect holobionts" |
| 15:30 | 15:45 | ST5 OR8 Pierluigi Revegla "Uncovering phytotoxic metabolites from <i>Colletotrichum</i> spp. involved in legume diseases by OSMAC-Metabolomics approach" |
| 15:45 | 16:00 | ST5 OR9 Stefan Schulz "The unique cuticular and defense chemistry of Collembola" |
| 16:00 | 16:15 | ST5 OR10 Juliette Segret "Chemical diversity and chemotaxonomy of neo-tropical Xylariales fungi" |

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| 16:15 | 16:45 | Coffee break |
| | | Chair: Maria Iorizzi, |
| 16:45 | 17:15 | ST5 KN5 Juri Nascimbene "Lichen biodiversity in terrestrial ecosystems: an evolutionary, biogeographic, and ecological perspective" |
| 17:15 | 17:30 | ST5 OR11 Christine Chichioco Hernandez "Identification of cysteine-knot peptides in Philippine plant species" |
| 17:30 | 17:45 | ST5 OR12 Juliana Oliveira "Tintenstrich communities: a first insight into alpine cyano-lichen" |
| 17:45 | 18:00 | ST5 OR13 Andres German Sierra Quitian "Insecticidal activity of essential oils derived from four aromatic species against <i>Sitophilus zeamais</i> and <i>Tribolium castaneum</i> " |
| Poster Rooms | | |
| 18:15 | 19:45 | Poster Session 2: PO61-PO120 (ST1, ST4, ST5, ST6) |
| 20:30 | | Symposium Dinner |

| Thursday October 19th 2023 | | |
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| Auditorium Royal Continental | | |
| | | Chair: Francesco Nicotra, Bahne Stechmann |
| 09:00 | 09:40 | PL10 Ren-Xiang Tan "Marine symbionts, a rich source of useful chemicals and enzymes" |
| 09:40 | 10:20 | PL11 Alessandra Napolitano "Natural polyphenols as versatile materials for applications in biomedical and food sectors: powering their potential by chemical manipulation and green methodologies" |
| 10:20 | 10:50 | IL2 Olga Genilloud "Exploring the diversity of microbial natural products and current challenges in drug discovery" |
| 10:50 | 11:20 | Coffee break |
| | | Chair: Raffaele Riccio |
| 11:20 | 12:00 | PL12 Jörn Piel "Sustainable sources of natural products from marine invertebrates" |
| 12:00 | 12:30 | Closing ceremony |

| Satellite Workshop at ISCNP13 & ICOB11 by EU-Openscreen | | |
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| <i>Accelerating natural product discovery by academic and industrial collaborative initiatives</i> | | |
| Auditorium Royal Continental | | |
| <p>Natural products continue to play an important role in drug discovery due to their molecular complexity and privileged structures. Their potency and selectivity derived from extended evolution selection makes them attractive as starting points for new drug candidate development. In fact, more than a third of recently approved medicines are natural products or derived from compounds found in organisms. Nevertheless, only a fraction of reported scaffolds is available in commercial libraries and access to HTS-amenable libraries remains an important challenge. During this workshop, which is organised by EU-OPENSREEN, we will discuss various initiatives in academia which address this challenge. The speakers will present publicly available natural compound collections, local bioprospecting efforts and European collaborative initiatives, which aim to expand the availability of high quality, annotated natural product-based libraries for drug discovery projects.</p> | | |
| 14:00 | 14:10 | Welcome and Introduction to the workshop |
| 14:10 | 14:30 | Olga Genilloud: Fundación MEDINA, Spain - "Marine natural products bioprospecting and collaboration opportunities at EU-OPENSREEN" |
| 14:30 | 14:50 | Bahne Stechmann: EU-OPENSREEN, Germany - "EU-OPENSREEN: A multinational initiative to support collaborative projects in chemical biology" |
| 14:50 | 15:10 | Aigars Jirgensons: Latvian Institute of Organic Synthesis, Latvia - "Horizon Europe ERA Chair project: Natural Products Research at Latvian Institute of Organic Synthesis as a driver for Excellence in Innovation (NATALION)" |

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| 15:10 | 15:30 | Espen Hansen: University of Tromsø, Norway - "Marine bioprospecting with an Arctic perspective: The Marbio screening platform and its involvement in larger European projects" |
| 15:30 | 15:50 | Marianna Iorio: NAICONS, Italy - "micro4all: a Major Change in Drug Discovery" |
| 15:50 | 16:10 | Donatella de Pascale: Stazione Zoologica Anton Dohrn, Italy - "EMBRC-ESFRI role in the development of cutting-edge research services, a focus on Marine Bioprospecting" |
| 16:10 | 16:30 | Roberto Berlinck: Universidade de São Paulo, Brazil - "Are there biodiscovery programs in Latin America? The importance of establishing international collaborative initiatives" |
| 16:30 | 16:50 | Jean-Luc Wolfender: University of Geneva – "Integration of massive metabolite profiling data of natural extracts in bioactivity screening campaigns for bioactive hits prediction and efficient prioritization" |
| 16:50 | 17:00 | Q&A and Closing remarks |