



XIV ECMNP

EUROPEAN CONFERENCE ON MARINE NATURAL PRODUCTS

30.9. – 3.10.25, PIRAN, SLOVENIA

XIV ECMNP – CONFERENCE PROGRAMME



NACIONALNI INŠTITUT ZA BIOLOGIJO
NATIONAL INSTITUTE OF BIOLOGY



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Pharmaceutical Laboratories S.A.

DAY 0, Monday 29.9.2025	
18:30 – 21:00	Welcome reception <i>Location</i>
Day 1, Tuesday 30.9.2025	
WELCOME SESSION Chair: Vassilios Roussis	
09:00 – 09:30	Participants registration
09:30 – 10:00	Welcome to XIV ECMNP <i>Ana Rotter, Slovenia, conference chair</i>
10:00 – 10:45	Looking Back - Looking Ahead in Marine Natural Products Research <i>Bill Fenical, USA, Keynote speaker</i>
10:45 – 11:15	COFFEE BREAK and blue economy networking
Horizontal aspects in MNP discovery and good practice examples Chairs: Vassilios Roussis and Carlos Jiménez	
11:15 – 11:45	The New UN Ocean Biodiversity (BBNJ) Agreement: A Scientists Guide To Policy Developments <i>Federica Casolari, UK, Invited speaker</i>
11:45 – 12:00	The Nagoya Protocol: Does it Offer a Solution Or Does it Create More Confusion? <i>Ernesta Grigalionyte-Bembič, Slovenia</i>
12:00 – 12:15	Comparative Environmental Assessment of Water-Free Powder Shampoo as a Litter Prevention Solution <i>Jan Puhar, Slovenia</i>
12:15 – 12:30	Maturation of Saline Peloid From Sečovlje Salina: Interactions With Brine and Petola Microbial Mat <i>Neli Glavaš, Slovenia</i>
12:30 – 12:45	Evaluation of Cosmetic Products With <i>Dunaliella</i> Extracts and Water Brine From Sečovlje Soline, Slovenia <i>Alenka Zvonar Pobirk, Slovenia</i>
12:45 – 13:00	Marine Cyanobacterial Pigments as Sustainable Alternatives for Textile Dyeing <i>Mariana Reimão, Portugal</i>
13:00 – 14:30	LUNCH and blue economy exchange of good practices
14:30 – 15:30	Interactive discussion on marine biotechnology Chair: Ana Rotter
Drug discovery and development Chairs: Efstathia Ioannou and William Gerwick	
15:30 – 16:00	Development of lurbinedin for the treatment of SCLC <i>Carmen Cuevas, Spain, Invited speaker</i>
16:00 – 16:15	Marine Natural Product-Derived Pharmaceutical Pipeline in 2025 <i>Alejandro M.S. Mayer, USA</i>
16:15 – 16:45	COFFEE BREAK
Drug discovery and development, continued Chairs: Efstathia Ioannou and William Gerwick	



Day 1, Tuesday 30.9.2025

16:45 – 17:00	BLUECHEM<ON> A Chemoinformatics Exploration of Spectral Patterns For the Discovery of New Drug Leads From Natural Products – PD-1/PD-L1 Modelling <i>Florabela Pereira, Portugal</i>
17:00 – 17:15	Therapeutic Potential Of Furanoditerpenes Obtained From <i>Spongia tubulifera</i> <i>Luis M Botana, Spain</i>
17:15 – 17:30	A Natural Compound From a Marine Sponge and The Use of Its Synthetic Analogues in the Treatment of Pain <i>Silvia Lino, Portugal</i>
17:30 – 17:45	Interrogating Stonefish Venom: Small Molecules Present in Envenomation Caused by <i>Synanceia</i> spp. <i>Jan Tytgat, Belgium</i>
17:45 – 18:00	Villosane A: An Allene-Containing Bisabolane With Potent Antiplasmodial Activity Produced by the Marine-Derived Basidiomycete <i>Halocyphina villosa</i> <i>Fernando Reyes, Spain</i>
18:00 – 18:15	Neuroprotective Potential of Sphaerococcenol A-Derived Analogues in Mitigating Parkinson's Disease Pathology via Multi-Pathway Mechanisms <i>Joana Silva, Portugal</i>

Day 2, Wednesday 1.10.2025

Omics tools in MNP research and discovery

Chairs: Olivier P. Thomas and Deniz Tasdemir

09:15 – 09:45	Navigating the Natural Product Landscape: Effective Strategies to Prioritize Metabolite Features in Metabolomics Profiles <i>Justin J.J. van der Hooft, the Netherlands, Invited speaker</i>
09:45 – 10:00	From Activity to Molecule: Integrated Omics Approaches for Natural Product Discovery <i>Sarolt Magyari, Canada</i>
10:00 – 10:15	Discovering New Antibiotics: The Power of Marine Fungi Revealed by New Eco-Inspired Cultures <i>Clémence Marivain, France</i>
10:15 – 10:30	Marine Acidobacteriota as Halogenation Reservoirs: Discovery of Novel Biosynthetic Gene Clusters <i>Pavlo Hrab, the Netherlands</i>
10:30 – 10:45	Marine Cyanobacteria as a Natural Source of Kahalalide F-Like Depsipeptides <i>William H. Gerwick, USA</i>
10:45 – 11:00	Monitoring Cyanobacterial Blooms and Application of the FDS Strategy in the Lucrino Sea <i>Germana Esposito, Italy</i>
11:00 – 11:30	COFFEE BREAK

MNP chemical biology and biotechnology

Chairs: Valeria Costantino and Luis Botana

11:30 – 12:00	Contribution of Marine Invertebrates to the Chemical Diversity of Benthic Seawater <i>Charlotte Simmler, France, Invited speaker</i>
12:00 – 12:15	Anti-Inflammatory Activity of Bromoditerpenes Isolated From the Red Seaweed <i>Sphaerococcus coronopifolius</i> <i>Celso Alves, Portugal</i>
12:15 – 12:30	Unveiling Innovative Siderophore Synthesis in Pathogenic <i>Vibrio</i> Through Interactions Between Different Iron Uptake Systems <i>Carlos Jiménez, Spain</i>
12:30 – 12:45	Unlocking Jellyfish Mucus Secrets: From Chemical Composition to Biotechnological Potential <i>Katja Klun, Slovenia</i>
12:45 – 13:00	Marine Natural Products Valorization: Sustainable Active Materials From Crustacean Waste <i>Jessica Costa, Italy</i>
13:05 – 14:45	LUNCH

Exploring the beautiful coastal Slovenia

15:30 – 18:00	Group 1 <i>Izola</i>
15:30 – 18:00	Group 2 <i>Koper</i>
15:30 – 18:00	Group 3 <i>Škocjanski zatok Nature Reserve</i>

Day 3, Thursday 2.10.2025

Chemical ecology and ecosystems functioning linked to biotechnology

Chairs: Maggie M. Reddy and Matthias Köck

09:00 – 09:30	The Chemical Language of Marine Forests <i>Ernesto Mollo, Italy, Invited speaker</i>
09:30 – 09:45	Chemical Ecology of Parasite (<i>Parvilucifera</i> sp.) Induced Metabolic Adaptations in the Toxic Dinoflagellate <i>Alexandrium minumtum</i> <i>Ruchicka O'Niel, Germany</i>
09:45 – 10:00	Do Seaweeds From High UV-Exposure Areas Offer Natural UV Protection? Insight Into Bioactive Properties of Mycosporine Like Amino Acids (MAAs) and Isolation of Novel MAAs From <i>Chondria cornuta</i> <i>Sabeena Farvin Koduvayur Habeebullah, Kuwait</i>
10:00 – 10:15	Exometabolomics to Illuminate the Waterborne Pathogen Suppression Effect of Seagrasses in Water Column <i>Deniz Tasdemir, Germany</i>
10:15 – 10:30	Metabolomic Changes in Antarctic Marine Invertebrates in a Warming Ocean <i>Andrea Próximo, Spain</i>
10:30 – 10:45	Chemodiversity of Marine Invertebrates in Highly Anthropized Environments <i>Alexandre Le Loarer, France</i>
10:45 – 11:00	Chemical Interactions of <i>Carijoa (Telesto) riisei</i> on Fish and Benthic Reef Communities on Artificial Reefs in South-East Queensland, Australia <i>Pauline E. Lindholm, Australia</i>
11:00 – 11:30	COFFEE BREAK

Chemical ecology and ecosystems functioning linked to biotechnology, cont.

Chairs: Maggie M. Reddy and Matthias Köck

11:30 – 11:45	Chemo-Taxonomical Markers of Phyllidiidae Species (Heterobranchia) From Koh Tao Island (Thailand) <i>Giulia Quaini, Italy</i>
11:45 – 12:00	New Tetrahydrofuran Containing Lipid as First Chemical Evidence of the Kleptopredation in <i>Cratena peregrina</i> (Aeolidioidea: Facelinidae) Nudibranch <i>Genoveffa Nuzzo, Italy</i>
12:00 – 12:15	Crossing Ecosystems: How Ocean4Biotech Bridged Microbial Research in Extreme Habitats <i>Lada Lukić Bilela, Bosnia and Herzegovina</i>

Synthesis of MNP and medicinal chemistry

Chairs: Fernando Reyes and Carmen Cuevas

12:15 – 12:45	The Chemistry And Biology Of The Marine Macrolides Zampanolide And Dactylolide <i>Karl-Heinz Altmann, Switzerland, Invited speaker</i>
12:45 – 13:00	A SAR Study of Tetrahydro- β -Carboline and β -Carboline Containing Natural Products <i>Melissa M. Cadelis, New Zealand</i>
13:00 – 13:15	Synthesis and Antimicrobial Activities of Acarnidine C12:0 and Analogues <i>Tim Liu, New Zealand</i>

Day 3, Thursday 2.10.2025

13:15 – 14:30	LUNCH
Natural products isolation and downstream processing Chairs: Filipa A. Vicente and Federica Casolari	
14:30 – 15:00	Promoting Interdisciplinary Conversations for Advancing Sustainable Research on Marine Natural Products <i>Valeria Costantino, Italy, Invited speaker</i>
15:00 – 15:15	Bioassays for Natural Resources: Use With Caution <i>Jerica Sabotič, Slovenia</i>
15:15 – 15:30	Unveiling the Metabolic Potential of the Deep-Sea-Derived <i>Streptomyces profundus</i> Through the OSMAC Approach <i>Sofia Correia, Portugal</i>
15:30 – 15:45	Isolation and Characterization of Bioactive New Chlorinated Secondary Metabolites from the Deep-Sea <i>Streptomyces acrimycini</i> B188M101 <i>Emmanuel T. Oluwabusola, UK</i>
15:45 – 16:00	From Algal Cells To Self-Assembled Vesicles: Unlocking Drug Delivery Potential <i>Nadica Ivošević DeNardis, Croatia</i>
16:00 – 16:30	COFFEE BREAK
Natural products isolation and downstream processing, continued Chairs: Filipa A. Vicente and Federica Casolari	
16:30 – 16:45	Chlorophyll Derivatives From <i>Arthrospira platensis</i> for Novel Nutraceutical Applications <i>C. Filipe Henriques, Portugal</i>
16:45 – 17:00	Valorization of the Blue Crab (<i>Callinectes sapidus</i>) Shell Wastes <i>Elena Bellini, Italy</i>
17:00 – 17:15	In-Vitro Wound Healing Activities of Chitosan Based Films Containing Astaxanthin Extract (<i>Aristeaomorpha foliacea</i> and <i>Aristeus antennatus</i>) <i>Cigdem Dikel, Turkey</i>
18:30 – 23:00	CONFERENCE DINNER

Day 4, Friday 3.10.2025

COMBINED USE OF SPECTROSCOPIC METHODS AND BGC ANALYSIS IN THE STRUCTURAL DETERMINATION OF COMPLEX NATURAL PRODUCTS

Workshop organized by the EU funded project EUREMAP with contributions from Bill Fenical (SIO/UC-San Diego, USA), Bill Gerwick (SIO/UC-San Diego, USA), Daniel Oves (Fundación MEDINA, Spain) and Javier Ortiz (Fundación MEDINA, Spain).

9.30-9.45	Introduction to EUREMAP and the workshop. <i>Fernando Reyes, Fundación MEDINA</i>
9.45-10.30	Introduction to Bioinformatics-Based Structural Prediction in Bacterial PKS/NRPS Systems. <i>Daniel Oves-Costales, Fundación MEDINA</i>
10.30-11.00	Structure and Stereochemistry Elucidation of Complex Microbial Natural Products by Combining NMR and BGC Analysis: Three Case Studies. <i>Francisco Javier Ortiz-López, Fundación MEDINA</i>
11:00 – 11:30	COFFEE BREAK
11:30 – 12:30	Stereochemical Assignments using NMR data from Linear Type 1 Polyketides can be Dangerous. <i>Bill Fenical, Scripps Institution of Oceanography/ University of California San Diego</i>
12.00-12.30	Integration of Artificial Intelligence and Genomic Information to Efficiently Solve Natural Product Structures. <i>William H. Gerwick, Scripps Institution of Oceanography/ University of California San Diego</i>
CLOSING SESSION	
12:30 – 13:00	Group photo (Everybody) Closing speeches, XV ECMNP and other invitations (Ana Rotter, XIV ECMNP chair)
13:00 – 14:30	LUNCH
COMBO project meeting (limited to project partners)	
14:30 – 16:15	COMBO project meeting (limited to project partners)
16:15 – 16:45	COFFEE BREAK
16:45 – 17:30	COMBO project meeting (limited to project partners)