



# **XIV ECMNP**

EUROPEAN CONFERENCE ON  
MARINE NATURAL PRODUCTS  
30.9. – 3.10.25, PIRAN, SLOVENIA

## **XIV ECMNP – CONFERENCE PROGRAMME**





<b>DAY 0, Monday 29.9.2025</b>	
18:30 – 21:00	Welcome reception <i>Location</i>
<b>Day 1, Tuesday 30.9.2025</b>	
<b>WELCOME SESSION</b> <i>Chair: Vassilios Roussis</i>	
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>
<b>10:45 – 11:15</b>	<b>COFFEE BREAK and blue economy networking</b>
<b>Horizontal aspects in MNP discovery and good practice examples</b> <i>Chairs: Vassilios Roussis and Carlos Jiménez</i>	
11:15 – 11:45	The New UN Ocean Biodiversity (BBN) Agreement: Considerations for Scientists and Commercial End Users <i>Marcel Jaspars, 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>Annamaria Vujanović, 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>
<b>13:00 – 14:30</b>	<b>LUNCH and blue economy exchange of good practices</b>
14:30 – 15:30	<b>Interactive discussion on marine biotechnology</b> <i>Chair: Ana Rotter</i>
<b>Drug discovery and development</b> <i>Chairs: Efstathia Ioannou and William Gerwick</i>	
15:30 – 16:00	Invited lecture title TBC <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>
<b>16:15 – 16:45</b>	<b>COFFEE BREAK</b>
<b>Drug discovery and development, continued</b> <i>Chairs: Efstathia Ioannou and William Gerwick</i>	
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>Florbela 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>
<b>Day 1, Tuesday 30.9.2025</b>	
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>



<b>Day 2, Wednesday 1.10.2025</b>	
<b>Omics tools in MNP research and discovery</b>	
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 Hoof, 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>
<b>11:00 – 11:30</b>	<b>COFFEE BREAK</b>
<b>MNP chemical biology and biotechnology</b>	
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	Marine Natural Products as a Novel Therapeutic Strategy for Developing Neuroprotective Agents in Parkinson's Disease <i>Francisca Soledade, Portugal</i>
12:15 – 12:30	Anti-Inflammatory Activity of Bromoditerpenes Isolated From the Red Seaweed <i>Sphaerococcus coronopifolius</i> <i>Celso Alves, Portugal</i>
12:30 – 12:45	Unveiling Innovative Siderophore Synthesis in Pathogenic Vibrio Through Interactions Between Different Iron Uptake Systems <i>Carlos Jiménez, Spain</i>
12:45 – 13:00	Unlocking Jellyfish Mucus Secrets: From Chemical Composition to Biotechnological Potential <i>Katja Klun, Slovenia</i>
13:00 – 13:15	Marine Natural Products Valorization: Sustainable Active Materials From Crustacean Waste <i>Jessica Costa, Italy</i>
<b>13:15 – 14:45</b>	<b>LUNCH</b>
<b>Exploring the beautiful coastal Slovenia</b>	
15:30 – 18:00	Group 1 Location
15:30 – 18:00	Group 2 Location
15:30 – 18:00	Group 3 Location



## Day 3, Thursday 2.10.2025

### Chemical ecology and ecosystems functioning linked to biotechnology

Chairs: Maggie M. Reddy and TBC

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>
<b>11:00 – 11:30</b>	<b>COFFEE BREAK</b>

### Chemical ecology and ecosystems functioning linked to biotechnology, cont.

Chairs: Maggie M. Reddy and TBC

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	Lecture title TBC <i>Karl-Heinz Altmann, Switzerland, Invited speaker</i>
12:45 – 13:00	A SAR Study of Tetrahydro- $\beta$ -Carboline and $\beta$ -Carboline Containing Natural Products <i>Melissa M. Cadelis, New Zealand</i>
13:00 – 13:15	Formulation of New Fermentation Media from Dairy Processing Wastewaters for Sustainable DHA-Rich Oil Production by <i>Schizochytrium</i> S31 <i>Linda O'Higgins, Ireland</i>
<b>13:15 – 14:30</b>	<b>LUNCH</b>

### Natural products isolation and downstream processing

Chairs: Filipa A. Vicente and Valeria Ebinuma

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>



### Day 3, Thursday 2.10.2025

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>
<b>16:00 – 16:30</b>	<b>COFFEE BREAK</b>
<b>Natural products isolation and downstream processing, continued</b> <i>Chairs: Filipa A. Vicente and Valeria Ebinuma</i>	
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>
<b>18:30 – 23:00</b>	<b>CONFERENCE DINNER</b> <i>Information about the dinner</i>

<b>Day 4, Friday 3.10.2025</b>	
09:30 – 11:00	<p><b>COMBINED USE OF SPECTROSCOPIC METHODS AND BGC ANALYSIS IN THE STRUCTURAL DETERMINATION OF COMPLEX NATURAL PRODUCTS, part I</b></p> <p>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).</p>
<b>11:00 – 11:30</b>	<b>COFFEE BREAK</b>
11:30 – 12:30	<p><b>COMBINED USE OF SPECTROSCOPIC METHODS AND BGC ANALYSIS IN THE STRUCTURAL DETERMINATION OF COMPLEX NATURAL PRODUCTS, part II</b></p> <p>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)</p>
12:30 – 13:00	<p><b>CLOSING SESSION</b></p> <p>Group photo (Everybody)</p> <p>Closing speeches, XV ECMNP and other invitations (Ana Rotter, XIV ECMNP chair)</p>
<b>13:00 – 14:30</b>	<b>LUNCH</b>
14:30 – 16:15	COMBO project meeting (limited to project partners)
<b>16:15 – 16:45</b>	<b>COFFEE BREAK</b>
16:45 – 17:30	COMBO project meeting (limited to project partners)