



6th European Conference on Marine Natural Products

19 - 23 July 2009, Porto, Portugal

PROGRAMME [updated 20th July]

19 July 2009 (Sunday)

- 10:00-16:30 Registration
- 17:00-17:30 Opening Ceremony
- 17:30-18:30 **Opening Lecture: Prof. Dr. HRH Princess Chulabhorn Mahidol**
Marine Natural Products as an inspiration for Drug Discovery
Chair: **Anake Kijjoa**
- 19.00- **Get together party (Hotel Fénix)**

20 July 2009 (Monday)

Morning Session

Isolation, Structure Elucidation and Synthesis of Marine Natural Products
Chair: **Vassilios Roussis**

- 08:30-09:10 **Plenary Lecture 1: Peter Proksch**
Bioactive Metabolites from Tropical Marine Invertebrates and Endophytic Fungi
- 09:10-09:40 **Invited Lecture 1: Gabriel König**
Marine Microbial Metabolites - Focussing on Structural Diversity
- 09:40-10:00 Oral Communication 1: **Stéphane La Barre**
NMR and MS Techniques for Rapid Characterization of Prokaryote - Eukaryote Associations: Spectroscopic Fingerprints of Marine Algae and of their Associated Microflora
- 10:40-10:20 Oral Communication 2: **Yue Wei Guo**
Searching for New Bioactive Substances from South China Sea Marine Organisms
- 10:20-10:40 Oral Communication 3: **Matthias Köck**
Dimeric Pyrrole-Imidazole Alkaloids - New Massadine Stereoisomers and their Configurational Assignment
- 10:40-11:00 **Coffee Break**



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Chair: **Madalena Pinto**

- 11:00-11:40 **Plenary Lecture 2: Chris Ireland**
Marine Natural Products Antitumor Agents
- 11:40-12:10 **Invited Lecture 2: José Fernando Reyes**
New Bioactive Metabolites from Marine Invertebrates
- 12:10-12:30 Oral Communication 4: **RuAngelie Edrada-Ebel**
Metabolomic Profiling of Some Marine Sponges from the Irish and Celtic Seas by High Resolution FTMS and NMR with the aid of SIEVE Analysis
- 12:30-12:50 Oral Communication 5: **Vatcharin Rukachaisirikul**
Metabolites from Marine-derived Fungi
- 12:50-13:10 Oral Communication 6: **Yannick Viano**
Algal Diterpenoids as Antifouling Substances against a Marine Bacterial Biofilm
- 13:10-14:30 **Lunch**

Afternoon Session

Isolation, Structure Elucidation and Synthesis of Marine Natural Products (cont.)

Chair: **Artur Silva**

- 14:30-15:00 **Invited Lecture 3: Paul B. Jones**
*Photochemistry in the Metabolites of *Placobranchus Ocellatus**
- 15:00-15:20 Oral Communication 7: **Pierangelo Luporini**
*NMR Structures of a Psychrophilic Family of Water-Borne Signal Polypeptides Isolated from the Polar Protozoan Ciliate, *Euplotes nobilii**
- 15:20-15:40 Oral Communication 8: **Mohamed Mehiri**
*Njaoaminiums A, B, and C: Cyclic 3-Alkylpyridinium Salts from the Marine Sponge *Reniera* sp.*
- 15:40-16:10 **Invited Lecture 4: Robert Capon**
Australian Marine Biodiscovery
- 16:10-16:30 **Coffee Break**



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Chair: **Graziano Guella**

- 16:30-17:10 **Plenary Lecture 3: Eric Jim Thomas**
Approaches to the Total Synthesis of some Biologically Active Natural Products
- 17:10-17:40 **Invited Lecture 5: Ali Al-Mourabit**
Progress in Biomimetic Total Synthesis of the Marine Palau'amine and Congeners
- 17:40-18:00 Oral Communication 9: **Emiliano Manzo**
*Synthesis of an Isocyanide Glyceryl-like Lipid Isolated from *Actinocyclus papillatus**
- 18:00-19:30 **Poster Session [even numbers]**

21 July 2009 (Tuesday)

Morning Session

Biological and Pharmacological Activities & Biotechnology of Marine Natural Products

Chair: **Marie-Lise Bourguet-Kondracki**

- 08:30-09:10 **Plenary Lecture 4: Laurent Meijer**
Protein Kinases Relevant to Human Diseases: Pharmacological Inhibitors Derived from Marine Organisms
- 09:10-09:40 **Invited Lecture 6: Marc Diedrich**
Marine Compounds as Promising Anti-Cancer Agents
- 09:40-10:00 Oral Communication 10: **Valeria Costantino**
Potent Anti-Tumor and Anti-Inflammatory Lead Structures from Caribbean Sponges
- 10:40-10:20 Oral Communication 11: **Heonjoong Kang**
Novel Drug Leads for Hepatic Steatosis and Nonalcoholic Steatohepatitis (NASH)
- 10:20-10:40 Oral Communication 12: **Carine Le Ker**
Search for Water-soluble Bioactive Marine Fungal Metabolites: Perfecting of an Extraction and Partial-Purification Method
- 10:40-11:00 **Coffee Break**



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Chair: **Lars Bohlin**

- 11:00-11:30 **Invited Lecture 7: Orazio Tagliatela-Scafati**
Antimalarials from the Sea. Studies on the Mechanism of Action of Endoperoxide Derivatives from Marine Sponges
- 11:30-11:50 Oral Communication 13: **Agostinho Casapullo**
Chemical Proteomics as a Tool in Target Discovery of Bioactive Small Molecules
- 11:50-12:10 Oral Communication 14: **Heinz Schröder**
Marine Nanobiotechnology: Enzymes/Proteins from Sponges Acting at the Interface of Inorganic Chemistry and Biology
- 12:10-12:30 Oral Communication 15: **Gäel Le Pennec**
Molecular Communication Actors within the Porifera/Bacteria Symbiotic Model. Insights into an Intimate Dialogue
- 12:30-12:50 Oral Communication 16: **Yoel Kashman**
Salarins, Tulearins and Taumycins, Novel Marine Natural Products; Chemistry, Stereochemistry and Activity
- 12:50-14:30 **Lunch**

Afternoon Session

Biosynthesis of Marine Natural Products

Chair: **Heinz Schröder**

- 14:30-15:10 **Plenary Lecture 5: Christian Hertweck**
Exploring Cryptic Pathways in Bacteria and Fungi
- 15:10-15:30 Oral Communication 17: **Delphine Bry**
*Biosynthesis of Pyridoacridines in *C. dellechiajei* Cell-Free Extracts*
- 15:30-15:50 Oral Communication 18: **Adele Cutignano**
*The Bizarre Biogenetic Variability of Terpenes in the Antarctic Mollusc *Austrodoris kerguelenensis**
- 15:50-16:10 Oral Communication 19: **Helena Gaspar**
Chemoecological Studies in Two Nudibranchs from the Portuguese Coast
- 16:10-16:30 **Coffee Break**



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Chair: **Emilio Quiñoá**

- 16:30-17:10 **Plenary Lecture 6: William Gerwick**
Structures, Biological Activities and Biosynthesis of Intriguing Marine Cyanobacterial Metabolites
- 17:10-17:20 **Ceremony for Apivita-PSE award**
- 17:20-17:50 **Apivita-PSE award Lecture: Angelo Fontana**
Chemistry of Signaling in Marine Diatoms
- 17:50-19:30 **Poster Session [odd numbers]**
- 20.30- **Dinner & Music at Praia da Luz beach**
[all participants & registered accompanying persons]
Announcement of the PSE Travelling Grants by Prof. Lars Bohlin, Chairman of PSE

22 July 2009 (Wednesday)

Morning Session

Ecology, Toxins & Biomaterials from the Marine Sources

Chair: **Angelo Fontana**

- 08:30-09:10 **Plenary Lecture 7: Adrianna Ianora**
Chemical Ecology of Secondary Metabolites and their Role in Driving Ecosystem Functionality in the Plankton
- 09:10-09:40 **Invited Lecture 8: Joseph Pawlik**
The Chemical Ecology of Sponges on Caribbean Coral Reefs: How Natural Products Shape Natural Systems
- 09:40-10:00 Oral Communication 20: **Charline Abed**
Chemotaxonomy as Valuable Approach to Study Sponges of the Family Irciniidae (Porifera, Dictyoceratida)
- 10:40-10:20 Oral Communication 21: **Mikel A. Becero**
*Relevant Scale of Chemical Variation in *Aplysina aerophoba**
- 10:20-10:40 Oral Communication 22: **Tiago Silva**
Chitosan Derived from Squid Pens on the Development of Biomedical Membranes
- 10:40-11:00 **Coffee Break**



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Chair: **Diaa Youssef**

- 11:10-11:20 Oral Communication 23: **Oriol Sacristán-Soriano**
*Intraspecimen Variability of Natural Products in the Sponge *Aplysina aerophoba**
- 11:20-11:50 **Invited Lecture 9: Paulo Vale**
Recent Developments in PSP Toxin Chemistry, Detection and Biotransformation
- 11:50-12:10 Oral Communication 24: **Martino Forino**
*42-Hydroxy Palytoxin: a New Palytoxin Analog from Hawaiian *Palythoa* spp. Is this the Real Poison of the Legendary Hawaiian *limu-make-o-Hana*?*
- 12:10-12:30 Oral Communication 25: **Antonio Hernandez Daranas**
Bioactive Polyether Metabolites from Dinoflagellates: Structure Determination And Bioactivity
- 12:30-13:00 **Invited Lecture 10: Ricardo Riguera**
Marine Biopolymers in Nanomedicine: Advances in Drug Delivery
- 13:00-14:30 **Lunch**

Afternoon Session

New Perspectives in Marine Natural Products

Chair: **John Blunt**

- 14:30-15:00 **Invited Lecture 11: Tadeusz Molinski**
Nanomole-Scale Marine Natural Products
- 15:00-15:40 **Plenary Lecture 8: Werner Müller**
The Power of Marine Genomics
- 15:40-16:20 **Plenary Lecture 9: Murray Munro**
Marine Natural Products: From There to Here. What's next?
- 16:20-16:50 **Ceremony of Professional Recognition to Guido Cimino**
Speech by Prof. Ernesto Fattorusso
- 16:50-17:30 **Plenary Lecture 10: Guido Cimino**
From Sepiamelanin to Chemical Ecology of Opisthobranchs and Diatoms: an Exciting 40 Years Game in the Field of Marine Natural Products
- 17:30-18:00 **Closing Remarks - Announcement of VII ECMNP by Lars Bohlin**
- 20.30- **Gala dinner and visit to Ferreirinha Port wine cellars**
[advanced registration (60 €) required]



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23 July 2009 (Thursday)

full day



Douro Cruise (Porto-Régua-Porto)

[advanced registration (60 €) required]

Through the Douro river valley, the region where the Porto wine is produced, classified as World Heritage Patrimony of the Humanity. Lunch on board and return by train included in the price.