

RESEARCH CONFERENCES

ESF-COST High-Level Research Conference

Natural Products Chemistry, Biology and Medicine II

Hotel Villa del Mare, Acquafredda di Maratea • Italy
29 August - 3 September 2009

Chair: **Bruno Botta**, Sapienza University of Rome, IT
Vice-Chair: **Dieter Schinzer**, University of Magdeburg, DE

Organising Committee:
Trond Vidar Hansen, University of Oslo, NO ▪
Georgios E. Vassilikogiannakis, University of Crete, GR
Nicolas Winssinger, Université Louis Pasteur, FR

www.esf.org/conferences/09299



Final Programme

Saturday 29 August

Late afternoon / early evening	Registration at the ESF-COST desk
19.00	Welcome Drink
20.00	Dinner

Sunday 30 August

Conference Opening

08.45-09.00	Bruno Botta Sapienza University of Rome, IT
09.00-09.15	Erwan Arzel COST Office, BE

Session 1

Chair: Dieter Schinzer, University of Magdeburg, DE

09.15-10.00	István E. Markó Catholic University of Louvain (UCL), BE <i>Towards the Efficient Synthesis of Complex Natural Products</i>
10.00-10.45	Markus Kalesse University of Hanover, DE <i>Natural Products as Starting Points for Anti-Infectives and Anti-Tumor Research</i>
10.45-11.15	Coffee break
11.15-12.00	Maurizio Botta University of Siena, IT <i>The fight against AIDS. Reverse Transcriptase: a Never-ending Story</i>
12.00-12.45	Adolfo Iribarren National University of Quilmes (UNQ), Buenos Aires, AR <i>Chemical and Enzymatic Synthesis of Modified Nucleosides. Application in Functional Oligonucleotides</i>
13.00	Lunch

Session 2

Chair: Nicolas Winssinger, Université Louis Pasteur, Strasbourg, FR

16.00-16.45	Trond Vidar Hansen University of Oslo, NO <i>Applications of an Ortho-Formylation Method for the Synthesis of Bioactive Compounds</i>
16.45-17.15	Coffee break
17.15-18.00	Emmanuel Pitsinos National Centre for Scientific Research "DEMOKRITOS", Agia Paraskevi Athens, GR <i>Scyphostatin, a Potent and Selective N-SMase Inhibitor</i>

18.00-20.00 Poster session
20.00 Dinner

Monday 31 August

Session 3

Chair: Asaad Khalid Ahmed, National Center for Research, SD

09.00-09.45 **Francesco Gasparrini**
Sapienza University of Rome, IT
Modern Enantioselective Chromatographic Techniques: a Powerful and Versatile Tool in the Study of Chiral Compounds

09.45-10.30 **Nicolas Winssinger**
University of Strasbourg, FR
From Natural Product Inspired Libraries Towards Small Molecule Evolution

10.30-11.00 Coffee break

11.00-11.45 **Troels Skrydstrup**
University of Aarhus, DK
New Developments in C–C and C–Si Bond Forming Reactions

11.45-12.10 **Ari Koskinen**
Helsinki University of Technology, FI
Selectivity and Specificity: Catalysis and Chiral Pool Hand in Hand

13.00 Lunch

Session 4

Chair: Dieter Schinzer, University of Magdeburg, DE

15.45-16.30 **Stephen Clark**
University of Glasgow, UK
Total Synthesis of Marine Cembranoid Natural Products as Potential Anti-Cancer Agents

16.30-17.00 Coffee break

17.00-17.45 **Martin E. Maier**
University of Tübingen, DE
Challenges and Solutions in the Synthesis of Natural Products

17.45-19.45 Poster session

20.00 Dinner

Tuesday 1 September

Session 5

Chair: Erwan Arzel, COST Office, BE

- 09.00-9.45 **Karl-Heinz Altmann**
Eidgenössische Technische Hochschule (ETH), Zürich, CH
Natural Products as Leads in Drug Discovery
- 09.45-10.10 **Petri Pihko**
Helsinki University of Technology, FIN
Towards The Total Synthesis Of Pectenotoxin-2
- 10.10-10.35 **Asaad Khalid Ahmed**
National Center for Research, SD
Discovery of Specific Plasmodium falciparum Enoyl-ACP Reductase Inhibitors from Sudanese Medicinal Plants as Antimalarial Candidates
- 10.35-11.05 Coffee break
- 11.05-11.30 **Edgar Haak**
University of Magdeburg, DE
New Transition Metal Catalyzed Propargyl Transformations and Their Application In Alkaloid Synthesis
- 11.30-11.55 **Arthur Catino**
Harvard University
Macrocyclic Stereocontrol in The Natural Product Total Synthesis
- 11.55-12.20 **Susanna Badalyan**
Yerevan State University, AM
Mushrooms as a Potential Source to Develop Novel Biotechproducts
- 12.30 Lunch
- Afternoon Half-day excursion
- 20.00 Dinner

Wednesday 2 September

Session 6

Chair: Giovanni Zappia, University of Urbino "Carlo Bo", Urbino, IT

- 09.00-09.45 **Jef De Brabander**
The University of Texas, US
Natural Products: An Opportunity for Discovery
- 09.45-10.30 **Dieter Schinzer**
University of Magdeburg, DE
(+)-Sorangicin A: Synthetic Studies and Construction of the Key Fragments
- 10.30-11.00 Coffee Break
- 11.00-11.25 **Jan Schripsema**
Universidade Estadual do Norte Fluminense, BR
Metabolomic Techniques In Phytochemical Investigations
- 11.25-11.50 **Inga Dadeshidze**
Ivlev Kutateladze Institute of Pharmacology, GE
Natural Products R & D Activity at Georgian Institute of Pharmacology

11.50-12.15

László Kürti

Harvard University, US

Discovery Of Potent And Practical Antiangiogenic Agents Inspired By Cortistatin A

13.00

Lunch

Session 7

Chair: Bruno Botta, Sapienza University of Rome, IT

16.00-16.25

Souvik Kusari

Technische Universität Dortmund, DE

Endophytes as Hidden Treasures within the Botanical Richness of Nature: Camptotheca Acuminata as an Example

16.25-16.50

Evgeny Prusov

ETH Zürich, CH

Studies towards Total Synthesis and Biological Activity of Xenicanes

16.50-17.20

Coffee break

17.20-18.05

Teresa Carlomagno

European Molecular Biology Laboratory (EMBL), Heidelberg, DE

Understanding drug-receptor interactions by NMR: a novel approach based on INPHARMA NOEs

18.05-18.50

Ian Paterson

University of Cambridge, UK

Synthesis of Marine Polyketides as Promising Anticancer Agents

18.50-19.50

Forward Look Plenary Discussion

20.30

Get-together & Conference Dinner

Thursday 3 September

Breakfast & Departure