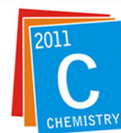


# 3<sup>rd</sup> Young Investigator's Workshop



International Year of  
**CHEMISTRY**  
2011



Organic Division  
of EuCheMS

8<sup>th</sup> - 9<sup>th</sup> July 2011  
Heraklion, Crete

Organisation:  
Prof. M. Stratakis



**UNIVERSITY  
OF CRETE**

**Friday, July 08 2011**

08:30-09:15 Registration - Welcome

**09:15-10:30 Session 1** (Chairs: M. Stratakis - G. Kokotos)

09:15-09:40 Fluorinated MUC1 glycopeptide analogues as tools for cancer immunotherapy (*Anja Hoffmann-Röder, Johannes Gutenberg-University Mainz, Germany*)

09:40-10:05 Advanced chemical tools for studying ubiquitin biology (*Ashraf Brik, Ben-Gurion University of the Negev, Israel*)

10:05-10:30 Evaluation of constrained amino acids in the design of bifunctional opioid - neurokinin 1 receptor ligands (*Steven Ballet, Vrije Universiteit Brussel, Belgium*)

**10:30-11:00 Coffee break**

**11:00-12:40 Session 2** (Chair: O. Reiser)

11:00-11:25 Dual catalysis with organogold intermediates (*Suzanne A. Blum, University of California, Irvine, USA*)

11:25-11:50 Carbohydrates and palladium - Does this fit together? (*Daniel B. Werz, University of Göttingen, Germany*)

11:50-12:15 Desulfitative palladium catalyzed cross-coupling reaction: A useful tool in heterocyclic chemistry (*Franck Suzenet, University of Orléans, France*)

12:15-12:40 Alkyne activation by supported gold nanoparticles (*Ioannis Lykakis, University of Thessaloniki, Greece*)

**12:40-14:00 Lunch break**

**14:00-15:40 Session 3** (Chair: M. Stratakis)

14:00-14:25 Adventures in organic sulfur chemistry (*José Alemán, Universidad Autónoma de Madrid, Spain*)

14:25-14:50 Reaction mechanism of naphthol coupling (*Jana Roithová, Charles University in Prague, Czech Republic*)

14:50-15:15 Direct formation of 5-methylene oxazoles from *N*-benzyl propargylamines (*Daniel Strand, Lund University, Sweden*)

15:15-15:40 Playing soccer ball with bis- and tris-addition patterns of [60]fullerene (*Nikos Chronakis, University of Cyprus, Cyprus*)

**15:40-16:10 Coffee break****16:10-17:25 Session 4** (Chair: A. Mader)

16:10-16:35 Elucidating and exploiting biosynthesis (*Rebecca J. M. Goss, University of East Anglia, Norwich, UK*)

16:35-17:00 Anthocyanin-derived pigments - new colours from nature to the lab (*Nuno Mateus, Universidade do Porto, Portugal*)

17:00-17:25 Modified nucleotides and phthalocyanines for probing nucleic acids (*Nathan W. Luedtke, University of Zurich, Switzerland*)

**18:30-20:00 Visit to the Archaeological Museum of Heraklion**

**20:30 Dinner**

**Saturday, July 09 2011****09:00-10:15 Session 5** (Chair: G. Kokotos)

09:00-09:25 New sustainable strategies to access  $\alpha$ - and  $\beta$ - chiral aldehydes  
(*Clément Mazet, University of Geneva, Switzerland*)

09:25-09:50 Towards tartaric acid derived organocatalysts (*Mario Waser, Johannes Kepler University Linz, Austria*)

09:50-10:15 Organocatalysis with weak interactions. Cooperativity and bifunctionality are essential for stereocontrol (*Luca Bernardi, University of Bologna, Italy*)

**10:15-10:45 Coffee break****10:45-12:25 Session 6** (Chair: C. Cabrele)

10:45-11:10 Synthetic strategies to overcome drug resistance (*Micha Fridman, Tel Aviv University, Israel*)

11:10-11:35 Lipolytic enzyme inhibitors (*Victoria Magrioti, University of Athens, Greece*)

11:35-12:00 Fluorinated building blocks, antifungal agents and EGFR-kinase inhibition (*Bård Helge Hoff, Norwegian University of Science and Technology, Trondheim, Norway*)

12:00-12:25 Peptidomimetic oligomers containing  $\beta$ -peptoid units (*Christian A. Olsen, Technical University of Denmark, Lyngby, Denmark*)

**12:25-14:00 Lunch break****14:00-15:40 Session 7** (Chair: O. Reiser)

14:00-14:25 An ion-binding approach to asymmetric electrocyclozation (*Martin D. Smith, University of Oxford, UK*)

- 14:25-14:50 Bisindole alkaloid synthesis enabled by visible light photoredox catalysis (*Corey R. J. Stephenson, Boston University, USA*)
- 14:50-15:15 New synthetic strategies for total synthesis (*Gráinne C. Hargaden, Dublin Institute of Technology, Ireland*)
- 15:15-15:45 Coffee break**
- 15:45-17:00 Session 8** (Chair: A. Mader)
- 15:45-16:10 Biocatalysis: Tools for stereoselective synthesis (*Mélanie Hall, University of Graz, Austria*)
- 16:10-16:35 Bioinspired catalysts for selective C-H and C=C oxidations (*Miquel Costas, QBIS, Girona, Catalonia, Spain*)
- 16:35-17:00 Functional Bioinspired Ionic Liquids (*Luis C. Branco, Universidade Nova de Lisboa, Portugal*)
- 20:00 Dinner**

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