

## International Symposium

“Chemistry at the Interface of Biology and Medicine”

Heraklion, Crete, Greece, 23-26 September 2016

The symposium will take place at the Department of Chemistry  
University of Crete

71003 Voutes, Heraklion, Crete, Greece

Organizing Committee: Peter Seeberger, Berlin and Athanassios Giannis, Leipzig

### Program

Sept. 23, 2016

**Chairman: Athanassios Giannis**

9.00 pm: Welcome

9.15: Peter H. **Seeberger**, Max-Planck Institute for Colloids and Surfaces, Potsdam, Germany, and Free University of Berlin, Germany, Am Mühlenberg 1 14476 Potsdam (Germany)

**Automated Glycan Assembly to Create Synthetic Vaccines**

9.45: Georgios **Vassilikogiannakis**, Department of Chemistry, University of Crete, 70013 Iraklion, Crete, Greece

**Furans, Singlet Oxygen and Basic Nitrogen – A Powerful Partnership for Synthesis**

10.15: Philipp **Heretsch** Institut für Chemie und Biochemie, Freie Universität Berlin, Takustr. 3, Raum 26.03, 14195 Berlin, Germany

**Studies in the Strophasterol Class of Natural Products**

**10.45-11.15: Coffee break**

**Chairman: Markus Kalesse**

11.15: Hans-Joachim **Knölker**, Department Chemie, TU Dresden, Germany

**Synthesis of Specific Inhibitors for Myosin ATPase and  $\beta$ -Secretase**

11.45: Beate **Kokschi**, Freie Universität Berlin, Institute of Chemistry and Biochemistry, Takustr. 3, 14195 Berlin, Germany

**Fluorine in Peptide and Protein Engineering**

12.15-12.45: Jing **Xu**, Department of Chemistry, South University of Science and Technology of China, Shenzhen, Guangdong Province, China, 518055

**Total Synthesis of Bioactive Natural Products**

**19.00: Conference dinner in a very nice place...!!!**

Sept. 24, 2016

**Chairman: Beate Koksch**

9.15-9.45: **Ashraf Brik**, Schulich Faculty of Chemistry, Technion Israel Institute of Technology, Haifa, Israel

**Chemical Approaches to Study Protein Ubiquitination and Deubiquitination**

9.45-10.15: **Doron Shabat**, Tel-Aviv University, Israel

**Distinct Developments in Linker Technologies for Bioconjugation**

10.15-10.45: **Marco Radi**, Department of Pharmacy, University of Parma 43124, Parma, Italy

**A Multitarget "Host-Guest" Approach to Fight Virus-related Diseases**

**10.45-11.15: Coffee brake**

**Chairman: Georgios Vassilikogiannakis**

11.15-11.45: **Haris Katerinopoulos**, Department of Chemistry, University of Crete, 70013 Iraklion, Crete, Greece

**"Studies on the active ingredient of *Dittrichia viscosa* against the bee parasite *Varroa destructor*"**

11.45-12.15: **Roderich D. Süßmuth**, Institut für Chemie, Technische Universität Berlin, Strasse des 17. Juni 124, 10623 Berlin, Germany

**Peptide Antibiotics in Host Pathogen Interactions – Bioynthesis, Bioactivities and Combinatorial Biosynthesis**

12.15-12.45: **Alexandros L. Zografos**, Aristotle University of Thessaloniki, Department of Chemistry, Laboratory of Organic Chemistry, Thessaloniki 54124, Greece

**Rational Design in the Construction of Cytotoxic, Chemical Diverse Library of Sesquiterpenoids**

**Sept. 25, 2016: Free day**

Sept.26, 2016

**Chairman: Philipp Heretsch**

9.15-9.45: **Herman Overkleef**t, Leiden Institute of Chemistry, Leiden University, Leiden, The Netherlands

**Activity-based Glycosidase Profiling**

9.45-10.15: **Dionisios Vourloumis**, NCSR "Demokritos", Institute of Physical Chemistry, Laboratory of Chemical Biology, Athens, Greece

**Designed Anticancer Compounds Featuring Unusual Structural Motifs**

10.45-11.15: **Stellios Arseniyadis**, School of Biological and Chemical Sciences, Queen Mary University of London, Room G.08, Joseph Priestley Building, Mile End Road, London E1 4NS, United Kingdom **Diversity Oriented Strategies Using Palladium-catalyzed Asymmetric Allylic Alkylation Reactions**

**10.45-11.15: Coffee brake**

**Chairman: Peter Seeberger**

11.15-11.45: **Markus Kalesse**, Institute of Organic Chemistry, Leibniz University Hannover, Schneiderberg 1B, 30167 Hannover, Germany

**"From Genetic Analysis to Stereoselective Synthesis"**

11.45-12.15: **Emmanuel A. Theodorakis**, Department of Chemistry and Biochemistry, University of California, San Diego, La Jolla, CA 92093 USA

**Natural Products: From Synthesis to Drug Discovery**

12.15-12.45: **Athanassios Giannis**, University of Leipzig, Institute of Organic Chemistry, Johannisallee 29, 04103 Leipzig, Germany

**Of Cyclops and Men: Steroidal Alkaloids for Cancer Treatment and more**

**Closing Remarks**