

### Sunday May 5, 2013

12:00      Registration

14:00      Pre-symposium Excursions (optional, and subject to registration)

19:30      Welcome Reception

### Monday May 6, 2013

**08:30      Opening Ceremony**

**Session Chair**

Prof. Dr Peter H. SEEBERGER  
(MAX PLANCK INSTITUTE OF COLLOIDS AND INTERFACES, Berlin, Germany)

**08:50      Targeting Protein Surfaces Using Designed Proteomimetics**

Prof. Andrew HAMILTON  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

**09:40      Design and Optimization of Pyrazinecarboxamide-Based Inhibitors of Diacylglycerol Acyltransferase 1 (DGAT1) Leading to the Clinical Candidate AZD7687**

Dr Petra JOHANNESSON  
(ASTRAZENECA, Mölndal, Sweden)

**10:20      New Inhibitors of the Enzyme Isoprenylcysteine Carboxyl Methyltransferase (ICMT)**

Prof. María del Mar MARTÍN-FONTECHA  
(COMPLUTENSE UNIVERSITY OF MADRID, Madrid, Spain)

**10:35      Coffee break and Exhibition**

**11:05      Oligonucleotide Synthesis Interfaced with Molecular Biology and Nanotechnology**

Prof. Marvin CARUTHERS  
(UNIVERSITY OF COLORADO, Boulder, United States)

**11:55      BETting on Epigenetic Targets : From Phenotypic Discovery to First Time in Man**

Dr Chun-wa CHUNG  
(GLAXOSMITHKLINE, Stevenage, United Kingdom)

**12:35      Virtual Screening and Design of New Pharmaceutical Agents Using PASS Approach**

Prof. Vladimir POROIKOV  
(INSTITUTE OF BIOMEDICAL CHEMISTRY, Moscow, Russia)

**12:50      Lunch and Exhibition**

**Session Chair**

Dr Laurent PROVINS  
(UCB, Braine-l'Alleud, Belgium)

**14:00      Synthetic Organic Photochemistry in Batch and Flow**

Prof. Kevin BOOKER-MILBURN  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

**14:50      The Discovery of the Macrocyclic HCV NS3/4A Protease Inhibitor MK-5172**

Dr Michael ROWLEY  
(MERCK RESEARCH LABORATORIES, Kriens, Switzerland)

**15:30      Novel Synthetic Chemical Chaperones as a New Basis For Amyotrophic Lateral Sclerosis (ALS) Treatment**

Dr Arie-Lev GRUZMAN  
(BAR ILAN UNIVERSITY, Ramat Gan, Israel)

## Scientific Program

- 15:45**      **Discovery of Highly Potent S1P1 Receptor Antagonists with *in vivo* Efficacy**  
Dr Jean QUANCARD  
(NOVARTIS PHARMA, Basel, Switzerland)
- 16:00**      **Coffee break and Exhibition**
- 16:30**      **A New Approach to Tuberculosis Research: The Lilly TB Drug Discovery Initiative**  
Dr Philip A. HIPSKIND  
(ELI LILLY & COMPANY, Indianapolis, United States)
- 17:10**      **Making Molecular Prosthetics via Iterative Cross-Coupling with MIDA Boronates**  
Prof. Martin D. BURKE  
(UNIVERSITY OF ILLINOIS, Urbana, United States)
- 18:00**      **Closing of the day**
- 21:00**      **Moscow by Night Tour (free of charge, but subject to registration)**

**Tuesday May 7, 2013**

**Session Chair**

Prof. Hans Ulrich STILZ  
(NOVO NORDISK, Malov, Denmark)

**08:30 Versatile Synthetic Methods: Access to Bioactive Molecules**

Prof. Janine COSSY  
(ESPCI PARISTECH, Paris, France)

**09:20 EFMC Prize for a Young Medicinal Chemist in Academia  
Chemical Approaches to Biology and Therapeutics**

Dr Gonalo BERNARDES  
(INSTITUTO DE MEDICINA MOLECULAR, LISBON, PORTUGAL & UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

**09:40 EFMC Prize for a Young Medicinal Chemist in Industry  
Free-Wilson and Structural Approaches to Co-Optimising Human and Rodent Isoform Potency for  
11?-Hydroxysteroid Dehydrogenase Type 1 (11?-HSD1) Inhibitors**

Dr Frederick GOLDBERG  
(ASTRAZENECA, Macclesfield, United Kingdom)

**10:00 Rapid Kinase SAR Generation: an Integrated Approach to Synthesis, Screening and Molecular Design**

Dr David PARRY  
(CYCLOFLUIDIC LTD, Welwyn Garden City Herts, United Kingdom)

**10:15 Coffee break and Exhibition**

**10:45 Highly Anti-inflammatory Dendritic Polyglycerol Sulfates - a Multiple Target Approach**

Prof. Rainer HAAG  
(FREE UNIVERSITY BERLIN, Berlin, Germany)

**11:35 Peptide Chemologics**

Dr Lee ROBERTS  
(PFIZER, Sandwich, United Kingdom)

**12:15 Discovery of Thienoimidazole-Based HCV NS5A Genotype 1a and 1b Inhibitors**

Dr Graeme SMITH  
(VERTEX PHARMACEUTICALS, Cambridge, United States)

**12:30 Lunch and Exhibition**

**13:30 Poster Session 1**

**Session Chair**

Dr Edmond DIFFERDING  
(DIFFERDING CONSULTING, Louvain-la-Neuve, Belgium)

**14:30 Organic Molecules as Biological Probes...an exciting journey**

Prof. Cristina NEVADO  
(UNIVERSITY OF ZURICH, Zurich, Switzerland)

**15:20 Discovery and Initial Clinical Results of [<sup>18</sup>F]-UCB-H, First PET Radiotracer Targeting Synaptic Vesicle 2A**

## Scientific Program

Dr Anne VALADE  
(UCB, Braine-l'Alleud, Belgium)

**16:00 Self-Immolative Spacers in Prodrug/Profluorophore Strategies: Determination of Kinetic Parameters for Release of Single or Multiple Substrates.**

Dr Frédéric SCHMIDT  
(INSTITUT CURIE, Paris, France)

**16:15 Synthetic Approach to Novel Melatonin Receptor Ligands**

Mrs Maria VOLKOVA  
(MOSCOW STATE UNIVERSITY, CHEMISTRY DEPARTMENT, Moscow, Russia)

**16:30 Coffee break and Exhibition**

**17:00 The Design and Characterization of Targeted Covalent Inhibitors of Btk**

Dr Eric SCHWARTZ  
(CELGENE AVILOMICS RESEARCH, Cambridge, United States)

**17:40 P2X Receptors: ATP-Gated Ion Channels as Novel Drug Targets**

Prof. Christa MÜLLER  
(UNIVERSITY OF BONN, Bonn, Germany)

**18:30 Closing of the day**

**Wednesday May 8, 2013**

**Session Chair**

Dr Rosa María RODRÍGUEZ SARMIENTO  
(F. HOFFMANN-LA ROCHE, Basel, Switzerland)

**08:30      Harnessing Synergy Between Natural Products and Synthesis Towards Drug Discovery**

Prof. Goverdhan MEHTA  
(UNIVERSITY OF HYDERABAD, Hyderabad, India)

**09:20      Advances in Targeting Voltage-Gated Sodium Channels with Small Molecules**

Dr Antonio NARDI  
(GRÜNENTHAL, Aachen, Germany)

**10:00      Design, Synthesis and Application Of Fluorinated Amino Acids as Labels to Study the Membrane Active Peptides by Solid State 19F NMR**

Dr Pavel MYKHAILIUK  
(ENAMINE LTD, Kyiv, Ukraine)

**10:15      Coffee break and Exhibition**

**10:45      Engineering of Small Non-Antibody Protein Scaffolds as Novel Biopharmaceuticals: from Anticalins to PASylation**

Prof. Arne SKERRA  
(TECHNICAL UNIVERSITY MUNICH, München, Germany)

**11:35      Bitopertin (RG1678), a Potent and Selective Glycine Re-Uptake Inhibitor for the Treatment of Schizophrenia**

Dr Emmanuel PINARD  
(F. HOFFMANN-LA ROCHE, Basel, Switzerland)

**12:15      Fragment-Based Design of Inhibitors of The Antituberculotic Target 1-Deoxy-D-Xylulose-5-Phosphate Synthase Exploiting an Innovative Combination of NMR Techniques**

Mrs Tiziana MASINI  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

**12:30      Lunch and Exhibition**

**13:30      Poster Session 2**

**Session Chair**

Dr Alan D. PALKOWITZ  
(ELI LILLY & CO., Indianapolis, United States)

**14:30      New Strategies in Organic Synthesis: Recent Advances Based on Catalytic Reactions of Boron Reagents**

Prof. James P. MORKEN  
(BOSTON COLLEGE, Chestnut Hill, United States)

**15:20      Identification of a Novel Series of Orexin Receptor Antagonists with a Distinct Effect on Sleep Architecture**

Dr Simona COTESTA  
(NOVARTIS, Basel, Switzerland)

**16:00      Antibody Drug Conjugates for the Treatment of Cancer**

Dr Paul POLAKIS  
(GENENTECH, San Francisco, United States)

## Scientific Program

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- 16:40**      **Coffee break and Exhibition**
- 17:10**      **Metal Catalyzed Arylation of Nucleophiles**  
Dr Marc TAILLEFER  
(ENSCM, Montpellier, France)
- 18:00**      **From Organic Synthesis to Biomedical Sciences - from Polyhydroxybutyrate (PHB) to Cell-Penetrating Peptides**  
Prof. Dieter SEEBACH  
(ETH ZURICH, Zürich, Switzerland)
- 18:50**      **Closing of the day**
- 20:00**      **Symposium Banquet (optional, and subject to registration)**

**Thursday May 9, 2013**

**09:00**      **Post-symposium Excursions (optional, and subject to registration)**