

ASMC'07 St. Petersburg

Program

Monday August 27, 2007

Optional tours between 09.00-18.00 / Pushkin (Amber room) + Pavlovsk Palaces, three Cathedrals (tbc), Canals

Transfers from the airport between 12.00-19.00

14:00 Registration

19:30 Welcome reception

Tuesday August 28, 2007

- 08:30** **Opening**
- 09:10** **The Changing Face of Organic Synthesis**
Prof. Steven V. LEY
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)
- 10:00** **Protecting Group Directed Ring-Closing Metathesis (RCM): the First Total Synthesis of Anti-Malarial Nonenolide**
Dr. Mukund S. CHORGHAE
(CHORGHAE ENTERPRISES, NATICK, United States)
- 10:15** **Coffee-break**
- 10:45** **Discovery of Innovative Small Molecule Therapeutics**
Prof Magid ABOU-GHARBIA
(TEMPLE UNIVERSITY, Philadelphia, United States)
- 11:35** **The Discovery of Novel Antiviral Agents**
Dr. Joe VACCA
(MERCK & CO., West Point, United States)
- 12:05** **Ultra-High-Throughput Screening for Lead Discovery: Impact of Combinatorial Chemistry Compound Libraries**
Dr. Stefan MUNDT
(BAYER HEALTHCARE, Elberfeld, Germany)
- 12:35** **A Combinatorial Approach to Probe the Mechanism of Binding of Bivalent Ligands to GPCRs**
Ms Kimberly BONGER
(LEIDEN UNIVERSITY, Leiden, The Netherlands)
- 12:50** **Lunch**
- 14:00** **Polyfunctional Zn,Mg-Organometallics for Organic Synthesis**
Prof. Paul KNOCHEL
(LUDWIG MAXIMILIANS UNIVERSITY, Munich, Germany)
- 14:50** **Innovation in Drug Discovery and Development Interface**
Dr. Balu BALASUBRAMANIAN
(BRYSTOL-MYERS SQUIBB, Princeton New Jersey 08543, United States)
- 15:20** **From Adrenomedullin Positive Modulators to A New Type Of Mmp-2 Inhibitors**
Prof. Beatriz DE PASCUAL-TERESA
(CEU SAN PABLO UNIVERSITY, Madrid, Spain)
- 15:35** **Coffee-break**
- 16:05** **Surprises and Discoveries with Natural Products**
Prof. Erick M. CARREIRA
(ETH ZÜRICH, Zürich, Switzerland)

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- 16:55** **Discovery of Bile Acid Resorption Inhibitors**
- 17:25** **Tetracyclic Indole Inhibitors of Hepatitis C Virus Ns5b-Polymerase**
Dr. Ian STANSFIELD
(IRBM MERCK, Pomezia Roma, Italy)
- 17:40** **Metal-Catalyzed Coupling Reactions**
Prof. Gregory C. FU
(MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Pasadena, United States)
- 19:30** **City tour for participants**

Wednesday August 29, 2007

- 08:30 A Tale of Two Proteases**
Dr Scott A. BILLER
(NOVARTIS, Cambridge, United States)
- 09:20 Positive and Negative Modulation of Family C GPCRs**
Prof. Tanja WEIL
(MERZ PHARMACEUTICALS, Ulm, Germany)
- 09:50 New Sugar-Derived Compounds with Anti-Septic Shock, Anti-Inflammatory and Anti-Ischemia Activity**
Dr. Francesco PERI
(UNIVERSITY OF MILANO/BICOCCA, Milano, Italy)
- 10:05 Coffee-break**
- 10:35 Genomic and Nongenomic Bile Acid Receptors as New Targets for Drug Discovery**
Prof. Roberto PELLICCIARI
(UNIVERSITY OF PERUGIA & EFMC, Corciano, Italy)
- 11:25 The Identification of Secretase Inhibitors for the Treatment of Alzheimer's Disease**
Dr. John ELLINGBOE
(WYETH RESEARCH, Pearl River, United States)
- 11:55 Where Chemistry meets Sphingolipid Biology**
- 12:25 Synthesis of Fosmidomycin Analogues Modified at the Three-Carbon Spacer: Towards Potent Antimalarials**
Prof. Serge VAN CALENBERGH
(UGENT, Ghent, Belgium)
- 12:40 Lunch & Poster session**
- BUSINESS MINI SYMPOSIUM: Discovery Chemistry Outsourcing Opportunities in Russia**
- 14:00 Opening**
Dr Gene VAISBERG
(CHEMBRIDGE CORPORATION, San Diego, United States)
- A Renewed Emphasis on Partnerships, With a Twist; The Challenge to Meet the Ever Evolving Pharma Landscape**
Dr. Michael CLARK
(PFIZER, New London, United States)
- Discovery Chemistry Sourcing in Russia. How Does it Compare to Other Regions of the World?**
Dr. Richard D. CONNELL
(PFIZER, Groton, United States)
- Outsourcing Parts of the Discovery Value Chain in Russia**
Dr Frederik DEROOSE
(JOHNSON & JOHNSON PHARMACEUTICALS, Destelbergen, Belgium)
- The AstraZeneca Compound Collection Enhancement Programme - Outsourcing in Russia**

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Dr. Garry PAIRAUDEAU
(ASTRAZENECA R&D MÖLNDAL, Möndal, Sweden)

Outsourcing in Russia: the UCB Experience

Dr. Patrice TALAGA
(UCB, Braine-L'Alleud, Belgium)

Discovery Chemistry CROs: The Art of Playing on the Fast Changing Field

Dr Gene VAISBERG
(CHEMBRIDGE CORPORATION, San Diego, United States)

16:05 **Coffee-break**

Panel discussion participants

B. BALASUBRAMANIAN (BMS, US), M. CLARK (Pfizer, US), R.D. CONNELL (Pfizer, US), F. DEROOSE (J&J Pharmaceuticals, Belgium), D. STOUT (Merck, US), W.B. KNIGHT (GSK, US), G. PAIRAUDEAU (AstraZeneca, UK), P. TALAGA (UCB, Belgium), G. VAISBERG (ChemBridge)

19:00 **City tour for participants**

Thursday August 30, 2007

- 08:30** **New Approaches to Biologically Validated Molecules using Chemoselective Ligation Reactions**
Prof. Alessandro DONDONI
(UNIVERSITY OF FERRARA, Ferrara, Italy)
- 09:20** **Discovery of Acridinium Bromide, a New Long-Acting Muscarinic Antagonist for COPD Therapy**
Dr. Hamish RYDER
(ALMIRALL, Barcelona, Spain)
- 09:50** **Novel Multilabeled Oligonucleotides Containing 1-phenylethynylpyrene ara-2'-uridine-carbamate and LNA: Synthesis and Photochemical Properties**
Dr. Irina ASTAKHOVA
(NUCLEIC ACID CENTER, DEPARTMENT OF PHYSICS AND CHEMISTRY, Odense M, Denmark)
- 10:05** **Coffee-break**
- 10:35** **Modern Protein Chemistry**
Prof. Ron RAINES
(UNIVERSITY OF WISCONSIN, Madison, United States)
- 11:25** **Exploiting High Throughput Screening: Case Histories**
Dr Paul LEESON
(, Nuneaton, United Kingdom)
- 11:55** **Design and Synthesis of Thrombin Receptor Antagonists for the Prevention of Thrombosis**
Dr William J. GREENLEE
(SCHERING-PLOUGH RESEARCH INSTITUTE, United States)
- 12:45** **Lunch**

Free afternoon - optional tours to Hermitage, Russian Museum, 3 Cathedrals and Canals

Friday August 31, 2007

- 08:30** **Chemical Probes of Carbohydrate Biosynthetic Pathways in Mycobacterium Tuberculosis**
Prof. Laura KIESSLING
(UNIVERSITY OF WISCONSIN-MADISON, Madison, United States)
- 09:20** **Discovery and Development of Kinase Inhibitors by Targeting Conformational Switch Pockets. A General Platform that is Unique for Targeting ATP Pockets**
Dr. Peter A. PETILLO
(DECIPHERA PHARMACEUTICALS, Lawrence, United States)
- 09:50** **Synthesis of (±)-Cephalotaxine via Diallylboration-Ring Closing Metathesis-Bromocyclocarbamation Sequence**
Dr Nikolai KUZNETSOV
(INEOS RAS, Moscow, Russia)
- 10:05** **Coffee-break**
- 10:35** **SAHA (Vorinostat), an FDA Approved Anticancer Compound with a Novel Mechanism of Action**
Prof. Ronald BRESLOW
(COLUMBIA UNIVERSITY, New York, United States)
- 11:25** **The Fight Against AIDS: New Avenues for Inhibiting RT, an Old Target**
Prof. Maurizio BOTTA
(UNIVERSITY OF SIENA, Siena, Italy)
- 11:55** **Adventures in Medicinal Chemistry**
Dr Anthony WOOD
(PFIZER, Waltham, United States)
- 12:25** **Smiles Rearrangement and Isocyanide Chemistry**
Dr Laurence GRIMAUD
(ENSTA, Paris, France)
- 12:40** **Lunch & Poster session**
- 14:00** **Transition Metal Catalyzed Reactions of Carbon-Carbon and Carbon-Heteroatom Bond Formation**
Prof. Irina P. BELETSKAYA
(MOSCOW STATE UNIVERSITY, Moscow, Russia)
- 14:50** **The Power of Semi-Synthesis: The Discovery of Torisel™**
Dr. Jerauld S. SKOTNICKI
(WYETH RESEARCH, Pearl River, United States)
- 15:20** **Synthesis and Characterisation of Novel Orally Available Dopamine D3 Receptor Antagonists**
Dr. Sean TURNER
(ABBOTT GMBH, LUDWIGSHAFEN, Germany)
- 15:35** **Coffee-break**
- 16:05** **A Systems Based Approach to Protein Kinase Research Leads to the Discovery of Tykerb, a Dual Inhibitor of EGFR and erbB2 Tyrosine Kinases**
Dr. Wilson B. KNIGHT
(GSK, Research Triangle Park, United States)

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16:35 The Inner Space of Molecules

Prof. Julius REBEK
(SCRIPPS RESEARCH INSTITUTE, La Jolla, United States)

17:25 Olefin Metathesis Catalysts for the Synthesis of Large and Small Molecules

Prof. Robert H. GRUBBS
(CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, United States)

18:15 Closing

19:00 Symposium banquet (optional)

Following the banquet, Open bridges tour(optional)

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Saturday September 1, 2007

08:30 Transfers to the airport

Optional tours between 9.00-18.00 / Canals, Peterhof, Hermitage, Pushkin (Amber room) + Pavlovsk Palaces (tbc), Russian Museum (tbc)