

# ASMC'07 St. Petersburg

## Program

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### 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**

## Program

### 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, Mainz, Germany)
- 09:50 New Sugar-Derived Compounds with Anti-Septic Shock, Anti-Inflammatory and Anti-Ischemia Activity**  
Prof. 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**

## Program

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**

## Program

### 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**

## Program

### Friday August 31, 2007

- 08:30 Chemical Probes of Carbohydrate Biosynthetic Pathways in Mycobacterium Tuberculosis**  
Prof. Laura KIESSLING  
(UNIVERSITY OF WISCONSIN-MADISON, Cambridge, MA, 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, Stevenage, Herts, SG1 2NY, United Kingdom)
- 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 <sup>TM</sup>**  
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)**



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## Program

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### Saturday September 1, 2007

Following the banquet, Open bridges tour(optional)

**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)