

Bioheterocycles 2015

Programme

Monday June 8, 2015

Session Chair:

Prof. Gilbert KIRSCH
(UNIVERSITÉ DE LORRAINE, Metz, France)

09:00 Opening

09:30 PL01 - Photoreactive Heterocycles and Natural Product Derivatives

Prof. Dr Thomas LINDEL
(TECHNICAL UNIVERSITY OF BRAUNSCHWEIG, Braunschweig, Germany)

10:25 Coffee Break

Session Chair:

Prof. Mercedes ÁLVAREZ
(SCIENTIFIC PARC OF BARCELONA, Barcelona, Spain)

10:55 PL02 - Targeting DNA Methylation: a Medicinal Chemistry Approach

Prof. Antonello MAI
(UNIVERSITY OF ROME "LA SAPIENZA", Rome, Italy)

11:50 IL01 - Synthetic Explorations in Small-ring Azaheterocyclic Chemistry and Development of Novel Bioactive Heterocycles

Prof. Matthias D'HOOGHE
(GHENT UNIVERSITY, Ghent, Belgium)

12:20 OC01 - Heterocycle-Peptide Hybrids: Synthesis, Conformational Analysis, and Utilization in Medicinal Chemistry

Mr Luca GENTILUCCI
(UNIVERSITA DI BOLOGNA, Bologna, Italy)

12:35 Lunch

Session Chair:

Prof. Yves FORT
(UNIVERSITÉ DE LORRAINE, Nancy, France)

14:00 PL03 - The Importance of Heterocycles in Agrochemistry: Fungicides as a Case Study

Dr Harald WALTER
(SYNGENTA CROP PROTECTION AG BASEL, Basel, Switzerland)

14:55 IL02 - Synthesis of Biorelevant Heterocycles with N-heterocyclic Carbenes

Prof. Andreas SCHMIDT
(TECHNICAL UNIVERSITY CLAUSTRAL, Clausthal-Zellerfeld, Germany)

15:25 OC02 - Exploiting the Zincke Reaction to Produce Sophisticated Heptamethine Dyes

Dr Robert SMITH
(UNIVERSITY OF CENTRAL LANCASHIRE, Preston, United Kingdom)

15:40 OC03 - Diverse Synthesis of Natural Product Inspired Fused and Spiro-Heterocyclic Scaffolds via Ring Distortion And Construction Strategy

Prof. Subhabrata SEN
(SHIV NADAR UNIVERSITY, Gautam Budh nagar, India)

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15:55 **OC04 - Novel Cross-Conjugated Dienones Based on 4-Piperidone Moiety: Synthesis and Antitumor Properties**

Dr Mikhail MAKAROV
(NESMEYANOV INSTITUTE OF ORGANOELEMENT COMPOUNDS OF RAS, Moscow, Russia)

16:10 **Coffee Break and Poster Session 1**

18:00 **Welcome Reception (in the Exhibition area)**

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Tuesday June 9, 2015

Session Chair:

Dr Stéphanie HESSE
(UNIVERSITÉ DE LORRAINE, Metz, France)

09:00 PL04 - Non Noble Metal Catalysis for Making Precious Molecules

Prof. Matthias BELLER
(UNIVERSITY OF ROSTOCK, Rostock, Germany)

09:55 IL03 - Synthesis of Novel Alpha7-nAChR Ligands: from an Idea to in Rodent Results for Alzheimer [18F] TEP Imaging

Prof. Sylvain ROUTIER
(UNIVERSITÉ D'ORLÉANS, Orléans, France)

10:25 OC05 - Recent Advances in the Total Synthesis of Phormidolides B and C

Mr Alejandro GIL ESCOLANO
(IRB BARCELONA, Barcelona, Spain)

10:40 Coffee Break

Session Chair:

Prof. Patrick CHAIMBAULT
(UNIVERSITÉ DE LORRAINE, Metz, France)

11:10 PL05 - Metal Catalysis for Heteroarene Synthesis

Prof. Michael GREANEY
(THE UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

12:05 IL04 - New Methods in Thioamide Chemistry

Dr Mike PORTER
(UNIVERSITY COLLEGE LONDON, London, United Kingdom)

12:35 Lunch

Session Chair:

Prof. Ferenc FULOP
(UNIVERSITY OF SZEGED, Szeged, Hungary)

14:00 PL06 - The Discovery and Development of the HIV Integrase Inhibitors Dolutegravir and Cabotegravir

Dr Brian JOHNS
(GLAXOSMITHKLINE, NC, United States)

14:55 IL05 - Are Generic Drugs Only a Copy_and_Paste Products?

Prof. Stanislav RADL
(ZENTIVA, Prague, Czech Republic)

15:25 OC06 - An Original Domino Radical Cyclisation/Smiles Rearrangement Combination: Application to the Synthesis of Indolo[2,3-b]Quinoline-Type Derivatives

Dr. Stéphane GERARD
(UNIVERSITÉ DE REIMS - CHAMPAGNE-ARDENNE, REIMS, France)

15:40 OC07 - Palladium-Catalyzed Cross-Coupling Reactions in the Asymmetric Synthesis of Pyrrolo[1,2-b]Isoquinolines

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Prof. Nuria SOTOMAYOR
(UNIVERSIDAD DEL PAÍS VASCO / EUSKAL HERRIKO UNIBERTSITATEA, Leioa - Bizkaia, Spain)

15:55 OC08 - Synthesis of Long Regioregular Dialkyl-Substituted Alpha-Oligofurans

Dr Edward KORSHIN
(THE WEIZMANN INSTITUTE OF SCIENCE, Rehovot, Israel)

16:10 Coffee Break and Poster Session 2

Programme

Wednesday June 10, 2015

Session chair:

Prof. John JOULE
(THE UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

09:00 PL07 - Bronsted Acid and Metal-catalyzed Reactions in the Synthesis of Heterocycles

Prof. Esther LETE
(UNIVERSIDAD DEL PAÍS VASCO, Bilbao, Spain)

09:55 IL06 - Utilization of Hypervalent Iodonium Reagents for the Construction and Functionalization of Heterocyclic Molecules

Dr Zoltan NOVAK
(EÖTVÖS UNIVERSITY, Budapest, Hungary)

10:25 OC09 - Synthesis of Agrochemistry-Related F-Heterocycles from Novel Fluorinated Diazoalkanes

Dr Pavel MYKHAILIUK
(ENAMINE, Kyiv, Ukraine)

10:40 Coffee Break

Session Chair:

Dr Harald WALTER
(SYNGENTA CROP PROTECTION AG BASEL, Basel, Switzerland)

11:15 OC10 - Flavylum-Based Pigments – “Click” Synthesis & Biological Relevance

Dr Stefan CHASSAING
(ITAV, Toulouse, France)

11:30 OC11 - Synthesis of 7-(2-Aminophenyl)- and 7-(4-Aminophenyl)Guanine, DNA Adducts Derived from the Phenylnitrenium Ion

Prof. Igor LINHART
(UNIVERSITY OF CHEMISTRY AND TECHNOLOGY, Prague, Czech Republic)

11:45 OC12 - Heterocyclic Coumarine Analogs as Zinc Metalloprotease Inhibitors

Mr Peteris TRAPENCIERIS
(LATVIAN INSTITUTE OF ORGANIC SYNTHESIS, RIGA, Latvia)

12:00 Lunch

Session chair:

Prof. Milan POTACEK
(MASARYK UNIVERSITY, Brno, Czech Republic)

13:30 IL07 - Silicon-Containing Tetrahydrocyclopenta[C]Acridine Derivatives as CDKs Inhibitors: Design, Organometallic Synthesis, Metabolic Stability And Optimization

Prof. Philippe BELMONT
(UNIVERSITY PARIS DESCARTES, Paris, France)

14:00 OC13 - Synthesis of Imidazo-Pyrrolo-Pyrazines/Diazepines/Diazocines via Domino Ugi/Micheal Reaction and Silver-Catalyzed Heteroannulation

Mr Zhenghua LI
(KU LEUVEN, Leuven, Belgium)

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- 14:15** **OC14 - Synthesis and Antifungal Activity of N-Acyl Derivatives of 1,4-Benzoxazin- and 1,4-Benzoxazepin-3-ONES**
Mrs Agata GOSZCZYNSKA
(WEST POMERANIAN UNIVERSITY OF TECHNOLOGY, SZCZECIN, Szczecin, Poland)
- 14:30** **OC15 - Mixed Cu(II) Cu(I) Complexes with Bioheterocycles as the Platform for Construction of Novel Anticancer Agents**
Ms Olga KRASNOVSKAYA
(MOSCOW STATE UNIVERSITY, Moscow, Russia)
- 14:45** **Coffee Break**
- 16:00** **Excursions**
- 19:00** **Banquet**

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Thursday June 11, 2015

Session chair:

Prof. Henk VAN DER PLAS
(UNIVERSITY OF WAGENINGEN, Wageningen, The Netherlands)

09:00 PL08 - Heterocycles Derived from Natural Products in Management of Multidrug Resistance

Prof. Ahcene BOUMENDJEL
(UNIVERSITÉ JOSEPH FOURIER, Grenoble, France)

09:55 IL08 - At the Crossroads of Chemistry and Biology: Inhibiting Protein Kinase CK2 by Heterocyclic Small Molecules

Prof. Marc LE BORGNE
(UNIVERSITÉ CLAUDE BERNARD LYON 1, Lyon, France)

10:25 Coffee Break

Session chair:

Prof. Jan BERGMAN
(KAROLINSKA INSTITUTE, Huddinge, Sweden)

11:00 IL09 - Overcoming Resistance with beta-Lactams

Dr Eric DESARBRE
(BASILEA PHARMACEUTICA, Basel, Switzerland)

11:30 OC16 - Discovery Of Novel Thieno[3,2-b]Pyrrole 5-Carboxamides as Potent Inhibitors of Chikungunya Virus (CHIKV)

Mr Kuan Chieh CHING
(NATIONAL UNIVERSITY OF SINGAPORE, Singapore, Singapore)

11:45 Closing