

# Bioheterocycles 2015

## Programme

### Monday 08/06/2015

#### 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  
(UNIVERSITY 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)**

## Programme

### Tuesday 09/06/2015

#### 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 10/06/2015

#### Session chair:

Prof. John JOULE  
(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**

# Bioheterocycles 2015

## Programme

**Thursday 11/06/2015**

**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, La Tronche, 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**