

# ECHC 08 - XXIIIrd European Colloquium on Heterocyclic Chemistry

## Programme

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**Tuesday September 9, 2008**

**Chairman**

Dr Lieven MEERPOEL  
(JOHNSON & JOHNSON PRD, Belgium)

**Evening lecture on the life, work and personality of Dr. P. Janssen (founder of Janssen Pharmaceutica).**

Dr. Paul J. LEWI  
(KU LEUVEN, Leuven, Belgium)

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Wednesday September 10, 2008

### Opening Ceremony

#### Chairman

Prof. Mikael BEGRUP  
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

#### Synthesis of Heterocycles via Alkoxyallenes

Prof. Hans-Ulrich REISSIG  
(FREIE UNIVERSITÄT BERLIN, Berlin, Germany)

#### JNJ-26483327 - A 'Macrocyclic' Multi-Targeted Kinase Inhibitor in Phase I Clinical Trials for the Treatment of Cancer

Dr. Eddy FREYNE  
(ORTHO BIOTECH ONCOLOGY RESEARCH & DEVELOPMENT EUROPE, Beerse, Belgium)

#### Ring Transformations and Peculiar Reactions of Functionalized $\gamma$ -Lactams

Prof. Norbert DE KIMPE  
(UGENT, Ghent, Belgium)

#### Coffee

### Oral Communications - Session 1

#### Chairmen

Dr Koen VAN AKEN (CREAFLOW, Deinze, Belgium)  
Prof. Christian STEVENS (UGENT, Ghent, Belgium)  
Prof. Kourosh ABBASPOUR TEHRANI (VUB, Antwerp, Belgium)

### Session (R1)

#### Synthesis and Cytotoxicity Evaluation of New Aziridine Containing Benzimidazolequinones

Prof. Fawaz ALDABBAGH  
(KINGSTON UNIVERSITY, London, United Kingdom)

#### Addition of Organometallics to Cyclic Nitrones: Key Step for the Synthesis of Potent Inhibitors of $\alpha$ -L-Fucosidases

Ms Amélie CASTIGLIA  
(UNIVERSITÄT STUTTGART, Stuttgart, Germany)

#### Application of Microwave-Irradiation as Efficient and Green Reaction Conditions for Various Cycloadditions of 2H-Pyran-2-ones

Dr Kristof KRANJC  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

### Session (R2)

#### Synthesis and Properties of New Fluorophores with a Pyrimidine Central Unit

Prof Georges DUPAS  
(IRCOF, Mont Saint Aignan, France)

#### Synthesis of New Pyrimido[5,4-d]Pyrimidinones

Dr Ana Helena BACELAR  
(UNIV. DO MINHO, Braga, Portugal)

#### Transformations of 3,3-Dichloroazetidines to Alkynylimines via 3-Chloro-2-azetidines as Strained Intermediates

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Prof. Sven MANGELINCKX  
(GHENT UNIVERSITY, Ghent, Belgium)

### Session (R3)

**Novel Routes towards Arylated Oxazoles and Thiazoles through Regioselective Direct C-H Arylation of Oxazole and Thiazole 4-carboxylate Scaffolds**

Prof. Christophe HOARAU  
(INSA OF ROUEN, COBRA-IRCOF, Rouen, France)

**Preparation, Structural Studies and Reactivity of 1,2-Diazetidines**

Mr Mike BROWN  
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)

**Functionalized 2,5-Diiridinyl-pyrroles by Electrochemical Reduction of 3,6-Dipyridinyl-pyridazine Precursors**

Ms Cécile MARIE  
(CEA, Bagnols sur Cèze Cedex, France)

### Lunch

### Poster Session 1

#### Chairman

Prof. Gyorgy HAJÓS  
(HUNGARIAN ACADEMY OF SCIENCES, Budapest, Hungary)

**Novel Organometallic Routes to Polyheterocyclic Ring Systems of Pharmacological Interest**

Prof. Hans-Joachim KNÖLKER  
(TU DRESDEN, Dresden, Germany)

**Versatile Synthesis of Novel Ring-Fused 1,5-Benzodiazepines**

Dr. Koen VANDYCK  
(TIBOTEC, Mechelen, Belgium)

**Competitive Rearrangements of O-N Bond Containing Azoles: the "Power" of a "Weak" Bond**

Prof. Andrea PACE  
(UNIVERSITY OF PALERMO, Palermo, Italy)

### Coffee

#### Chairman

Prof. Dirk TOURWE  
(VUB, Brussels, Belgium)

**Applications of 3-Amino-2-Piperidones to the Synthesis of Peptidomimetics**

Prof. Anna DIEZ  
(UNIVERSITY OF BARCELONA, Barcelona, Spain)

**Making and Breaking Heterocyclic Rings via Metal Catalyzed Reactions**

Prof. Mark LAUTENS  
(UNIVERSITY OF TORONTO, Toronto, ON, Canada)

### Transportation to the City

### Concert in the Cathedral

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**Thursday September 11, 2008**

### Chairman

Prof. Branko STANOVNIK  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

### Organocatalytic versus Metal-Catalysed Selective Indole Functionalisation: Just a Matter of Choice?

Prof. Alfredo RICCI  
(UNIVERSITY OF BOLOGNA, Bologna, Italy)

### Novel Synthesis of 2,4-Disubstituted Pyrimidines, Key Intermediates in the Synthesis of HIV Compounds

Dr. Fred STAPPERS  
(JOHNSON & JOHNSON PRD, Beerse, Belgium)

### Synthesis and Properties of Novel (Indolo)carbazole Materials

Prof. Wim DEHAEN  
(KULEUVEN, Heverlee, Belgium)

### Coffee

### Oral Communications - Session 2

### Chairmen

Prof. Kourosh ABBASPOUR TEHRANI (VUB, Antwerp, Belgium)  
Dr Koen VAN AKEN (CREAFLOW, Deinze, Belgium)  
Dr Pieter VAN DER VEKEN (UNIVERSITY OF ANTWERP, Antwerpen, Belgium)

### Session (R1)

#### A New Synthesis of Substituted Pyrrole-2-Carboxylates by a Tandem Sonogashira Coupling 5-Endo-DIG-Cyclization from a beta-Iododehydrophenylalanine and Terminal Alkynes

Dr Agathe BEGOUIN  
(UNIVERSIDADE DO MINHO, Braga, Portugal)

#### New Meso-Tetraarylporphyrin Derivatives via N-H Insertion Reactions with Diazo Compounds

Ms Ana Teresa PEIXOTO DE CAMPOS GOMES  
(UNIVERSIDADE DE AVEIRO, Aveiro, Portugal)

#### Functional Analogues of Tröger's Base: New Synthetic Methods and Facile, Predictable Chromatographic Means for the Separation of Enantiomers

#### A Regio- and Stereospecific Synthesis of *t*-4-Amino-3-hydroxy- and *t,t*-4-Amino-3,5-dihydroxypiperidines

Dr Igor TRUSHKOV  
(MOSCOW STATE UNIVERSITY, Moscow, Russia)

### Session (R2)

#### A Novel Multicomponent Reaction towards Imidazolidine-2-thions

Mr Maurice MOOIJMAN  
(VU UNIVERSITY AMSTERDAM, Amsterdam, The Netherlands)

#### A Novel Practical Synthesis of Licofelone

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

#### Sequential Metal-Catalyzed N-Heteroarylation and C-C Cross-Coupling Reactions: An Expedient Route to Tris (hetero)aryl Systems

Mr Jamie SIDDLE  
(DURHAM UNIVERSITY, Durham, United Kingdom)

#### Toward the Total Synthesis of Enantiomerically Pure Antitumor Agent : TMC-69-6H

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Ms Sophie VUONG  
(UNIVERSITÉ DE POITIERS, Poitiers Cedex, France)

### Session (R3)

#### **Polynitrogen Fused Tricyclic Compounds via a Nitrene-Mediated N-N Bond Formation**

Ms Coralie NYFFENEGGER  
(CEA, Monts, France)

#### **Monocyclic and Dimeric 1,2,4-Triazines Useful Substrates for the Preparation of New Heterocyclic Systems and Natural Products**

Dr Andrzej RYKOWSKI  
(UNIVERSITY OF PODLASIE, Siedlce, Poland)

#### **3+2 Cycloadditions of 3-Pyrazolidinone-1-azomethine Imines: an Easy Access to Polysubstituted Pyrazolo[1,2-a]pyrazolones**

Prof. Jurij SVETE  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

#### **An Efficient Microwave-Assisted Synthesis of Disubstituted 2-Amino-1*H*-imidazoles**

Mr Denis ERMOLATEV  
(KULEUVEN, Leuven, Belgium)

### Lunch

### Poster Session 2

#### **Chairman**

Prof. Johan VAN DER EYCKEN  
(UGENT, Ghent, Belgium)

#### **Recent Developments Employing Heterocycles in Asymmetric Catalysis**

Prof. Pat GUIRY  
(UNIVERSITY COLLEGE DUBLIN, Dublin, Ireland)

#### **Pyrrrolidinones and Oxindoles as Templates for the Discovery of Innovative Treatments of Epilepsy**

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

#### **New Catalytic Reactions Designed for the Efficient Synthesis of Natural Products**

Prof. Timothy DONOHOE  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

### Coffee

#### **Chairman**

Prof. Guy QUÉGUINER  
(UNIVERSITY OF ROUEN, Rouen, France)

#### **Palladium-Catalyzed Multicomponent and Domino Processes for Syntheses of Heterocycles**

Prof. Jieping ZHU  
(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

#### **Quinolones, Bisquinolones and Microwaves**

Prof. Oliver KAPPE  
(UNIVERSITY OF GRAZ, Graz, Austria)

### Transportation to the City

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**Friday September 12, 2008**

### **Chairman**

Prof. Volker JÄGER  
(UNIVERSITY OF STUTTGART, Stuttgart, Germany)

### **Selective Introduction of a Nitrogen-Containing Functionality into Organic Molecules**

Prof. Slovenko POLANC  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

### **Golden Tools for the Synthesis of Heterocycles**

Prof. Stephen HASHMI  
(UNIVERSITY OF HEIDELBERG, Heidelberg, Germany)

### **Conferences Announcements**

### **Chairman**

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

### **SNH Reactions in Heterocycles**

Prof. Oleg CHUPAKHIN  
(URAL STATE TECHNICAL UNIVERSITY, Ekaterinburg, Russia)

### **Coffee**

### **Chairman**

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

### **Novel Indole Chemistry in the Synthesis of Heterocycles**

Prof. Gordon GRIBBLE  
(DARTMOUTH COLLEGE, Hanover, United States)

### **Efficient Synthesis of Heterocyclic Natural Products and Materials by Domino Reactions**

Prof. Lutz F. TIETZE  
(GEORG-AUGUST-UNIVERSITÄT, Göttingen, Germany)

### **Transportation to the City**

### **Excursion**

### **Conference Dinner (De Ark)**



# ECHC 08 - XXIIIrd European Colloquium on Heterocyclic Chemistry

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**Saturday September 13, 2008**

### **Chairman**

Dr. Kristof VAN EMELEN  
(TIBOTEC, Beerse, Belgium)

### **?-Extended Tetrathiafulvalenes and Fullerenes: Complementary Topological and Electronic Molecules**

Prof. Nazario MARTÍN  
(UNIVERSIDAD COMPLUTENSE DE MADRID, Madrid, Spain)

### **Synthesis of Natural Product Inspired Heterocyclic Compound Libraries**

Prof. Floris RUTJES  
(Radboud University Nijmegen, Nijmegen, The Netherlands)

### **Syntheses of Carbocyclic $\alpha$ -Amino Acids via Heterocyclic Intermediates**

Prof. Ferenc FÜLOP  
(University of Szeged, Szeged, Hungary)

### **Coffee**

### **Chairman**

Prof. Erik VAN DER EYCKEN  
(KULeuven, Leuven, Belgium)

### **Design and Synthesis of Novel Enzyme Inhibitors. Focus on Microwave-Acceleration and Metal-Catalyzed Transformations**

Prof. Mats LARHED  
(Uppsala University, Uppsala, Sweden)

### **Mn- and Fe-Catalyzed Coupling Reactions: Recent Advances**

Prof. Gérard CAHIEZ  
(Laboratoire Sосom, Paris cedex 05, France)

### **Announcement of 24ECHC by Johannes Froehlich**

### **Closing**

### **Transportation to the City**