

13th Belgian Organic Synthesis Symposium

Programme

Sunday July 15, 2012

16:00 Registration

13th Belgian Organic Synthesis Symposium

Programme

Monday July 16, 2012

08:30 Registration

09:45 Opening Ceremony

Session Chair

Prof. Léon GHOSEZ
(IECB, Pessac, France)

Tetrahedron Chair: Exploring Chiral Space in Asymmetric Catalysis

Prof. Ben FERINGA
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

10:00 Tetrahedron Lecture 1: Exploring Chiral Space in Asymmetric Synthesis

11:00 Coffee Break

11:30 Tetrahedron Lecture 2: Phosphoramidites, Privileged Ligands in Asymmetric Catalysis

12:30 Sandwich Lunch & Poster Sessions

14:30 Tetrahedron Lecture 3: Catalytic Asymmetric C-C Bond Formation

15:30 Coffee Break

16:00 Tetrahedron Lecture 4: From Enzymes to DNA-based Asymmetric Catalysis

17:00 Belgian Beer & Cheese Cocktail

13th Belgian Organic Synthesis Symposium

Programme

Tuesday July 17, 2012

Session Chair

Prof. Stéphane VINCENT
(FUNDP, Namur, Belgium)

09:00 Redesign of Vancomycin for Resistant Organisms

Prof. Dale L. BOGER
(THE SCRIPPS RESEARCH INSTITUTE, La Jolla, United States)

Session Chair

Prof. Olivier Riant
(UC LOUVAIN, Louvain-la-Neuve, Belgium)

10:00 From Basic Research to the Development of "Real" Catalysts for Organic Synthesis

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

11:00 Coffee Break

Session Chair

Prof. Erik VAN DER EYCKEN
(KU LEUVEN, Leuven, Belgium)

11:30 New Polar Groups in Medicinal Chemistry

Prof. Klaus MÜLLER
(F. HOFFMANN-LA ROCHE, Switzerland)

12:30 Sandwich Lunch & Poster Sessions

Session Chair

Dr Edmond DIFFERDING
(DIFFERDING CONSULTING, Louvain-la-Neuve, Belgium)

14:30 Molecular Editing with Fluorine

Prof. Véronique GOUVERNEUR
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

15:30 Coffee Break

Session Chair

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

16:00 Total Synthesis of Complex Natural Products: an Exercise in Serendipity

Prof. István MARKÓ
(UCL, Louvain-la-Neuve, Belgium)

Session Chair

Dr Lieven MEERPOEL
(JANSSEN R&D, Belgium)

17:00 Inducing Nerve Regeneration by Natural Product Surfaces

13th Belgian Organic Synthesis Symposium

Programme

Prof. Karl GADEMANN
(UNIVERSITY OF BASEL, Zürich, Switzerland)

13th Belgian Organic Synthesis Symposium

Programme

Wednesday July 18, 2012

Session Chair

Prof. Alain KRIEF
(FUNDP, Namur, Belgium)

09:00 Late-Stage Fluorination for PET Imaging

Prof. Tobias RITTER
(HARVARD UNIVERSITY, Mulheim, Germany)

Session Chair

Prof. Alain KRIEF
(FUNDP, Namur, Belgium)

10:00 The Chemistry of NHC-Boranes

Dr. Emmanuel LACÔTE
(ICSN-CNRS, Gif-Sur-Yvette, France)

11:00 Coffee Break

Session Chair

Prof. Léon GHOSEZ
(IECB, Pessac, France)

11:30 Toward Transformative Therapies and the Ideal Synthesis: Approaches to HIV/AIDS Eradication, Alzheimer's Disease and Cancer

Prof. Paul A. WENDER
(STANFORD UNIVERSITY, Stanford, United States)

12:30 Sandwich Lunch & Poster Sessions

15:00 Excursions

13th Belgian Organic Synthesis Symposium

Programme

Thursday July 19, 2012

Session Chair

Dr Christophe GENICOT
(UCB BIOPHARMA, Brussels, Belgium)

09:00 Candida Antarctica Lipases A and B in Dynamic Kinetic Resolution. Model Studies and Directed Evolution

Prof. Jan-Erling BÄCKVALL
(STOCKHOLM UNIVERSITY, Stockholm, Sweden)

Session Chair

Prof. Christian STEVENS
(UGENT, Ghent, Belgium)

10:00 Hydrogenation for C-C Bond Formation

Prof. Michael J. KRISCHE
(UNIVERSITY OF TEXAS, Austin, TX, United States)

11:00 Coffee Break

Session Chair

Prof. Gwilherm EVANO
(ULB, Brussels, Belgium)

11:30 Novel Immobilized Catalysts for Environmentally Benign Organic Synthesis

Prof. Shu KOBAYASHI
(UNIVERSITY OF TOKYO, Tokyo, Japan)

12:30 Sandwich Lunch & Poster Sessions

Session Chair

Prof. Kourosch ABBASPOUR TEHRANI
(UNIVERSITY OF ANTWERP, Antwerp, Belgium)

14:30 Exploring Chemoselectivity through Natural Product Total Synthesis

Prof. Scott SNYDER
(COLUMBIA UNIVERSITY, New York, United States)

15:30 Coffee Break

Session Chair

Prof. Pierre DE CLERCQ
(UGENT, Ghent, Belgium)

16:00 Janssen Pharmaceutica Prize for Creativity in Organic Synthesis

A Different View of Challenging Synthetic Problems

Prof. Dr Ilan MAREK
(TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY, Haifa, Israel)

17:00 Award Ceremony

13th Belgian Organic Synthesis Symposium

Programme

17:30 **Cocktail offered by Janssen Pharmaceutica**

20:30 **Symposium Dinner**

13th Belgian Organic Synthesis Symposium

Programme

Friday July 20, 2012

Session Chair

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

09:00 Stories on Design & Surprise: C-H Activation, Asymmetric Arene Hydrogenation and NHC Organocatalysis

Prof. Frank GLORIUS
(UNIVERSITY OF MÜNSTER, Münster, Germany)

Session Chair

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

10:00 Exploring New Strategies in Asymmetric Synthesis --- From Chiral Sulfur and Olefin Chemistry to Chiral Sulfur-Olefin Chemistry

Prof. Ming Hua XU
(SHANGHAI INSTITUTE OF MATERIA MEDICA, Pudong, Shanghai, China)

11:00 Coffee Break

Session Chair

Prof. Bert U.W. MAES
(UNIVERSITY OF ANTWERP, Antwerp, Belgium)

11:30 Novel Boron Reagents and Reactivities

Prof. Gary A. MOLANDER
(UNIVERSITY OF PENNSYLVANIA, Philadelphia, United States)

12:30 Closing Remarks