

### Sunday July 13, 2014

14:30     **Registration**

17:00     **Opening**

**Session Chair**

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

**From Target Structure- to Function-Oriented Organic Synthesis**

Prof. Dieter SEEBACH  
(ETH ZURICH, Zürich, Switzerland)

18:00     **Welcome Drink**

### Monday July 14, 2014

08:30 Registration

Tetrahedron Chair:

**Session Chair**

Prof. Léon GHOSEZ  
(IECB, Pessac, France)

**Organometallic Reactions Catalyzed by Transition Metal Complexes - Fundamentals and New Transformations**

Prof. John F. HARTWIG  
(UC BERKELEY, Berkeley, United States)

10:00 The Elementary Chemistry of Organometallic Catalysis. Hydrofunctionalizations of Alkenes as a Case Study

11:00 Coffee Break

11:30 Catalyst Evolution Based on Mechanistic Aspects of Cross Coupling to Form Carbon-Heteroatom Bonds

12:30 Lunch & Poster Sessions

14:30 Evolution of Asymmetric Allylic Substitution from Palladium to Iridium

15:30 Coffee Break

16:00 Metal-Catalyzed and Metal-Mediated Incorporation of Fluorine into Aromatic Molecules

17:00 Tetrahedron Cocktail

**Tuesday July 15, 2014**

**Session Chair**

Prof. Christian STEVENS  
(UGENT, Ghent, Belgium)

**09:00 Biology Oriented Synthesis**

Prof. Herbert WALDMANN  
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)

**10:00 Discovery of Environmentally Benign Synthetic Reactions Catalysed by Pincer Complexes**

Prof. David MILSTEIN  
(THE WEIZMANN INSTITUTE OF SCIENCE, Rehovot, Israel)

**11:00 Coffee Break**

**Session Chair**

Prof. Alain KRIEF  
(UNAMUR, Namur, Belgium)

**11:30 Transition Metal-Catalysed Synthesis of Fluorine-Containing Molecules**

Prof. Mikiko SODEOKA  
(RIKEN, Hirosawa, Japan)

**12:30 Lunch & Poster Sessions**

**14:30 Asymmetric C-H Functionalisations: A Quest for Efficient Ligand Systems**

Prof. Nicolai CRAMER  
(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

**15:30 Coffee Break**

**Session Chair**

Dr Lieven MEERPOEL  
(JANSSEN R&D, Beerse, Belgium)

**16:00 Total Synthesis of Indoline Alkaloids**

Prof. Dawei MA  
(SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, Shanghai, China)

**17:00 Making Molecular Prosthetics with a Small Molecule Synthesizer**

Prof. Martin D. BURKE  
(UNIVERSITY OF ILLINOIS, Urbana, United States)

### Wednesday July 16, 2014

#### Session Chair

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

**09:00 Hetero-Substituted Alkynes: Copper-Mediated Syntheses and Applications**

Prof. Gwilherm EVANO  
(ULB, Brussels, Belgium)

**10:00 Catalysis and Cascades in Total Synthesis**

Prof. Darren J. DIXON  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

**11:00 Coffee Break**

#### Session Chair

Prof. Guido VERNIEST  
(VUB, Brussels, Belgium)

**11:30 Chemical Reactions in our Genome**

Prof. Thomas CARELL  
(LUDWIG-MAXIMILIANS-UNIVERSITY MUNICH, München, Germany)

**12:30 Lunch & Poster Session**

**14:30 Excursions**

Thursday July 17, 2014

**Session Chair**

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

**09:00 Selective Catalysed C-H Activation**

Prof. Lutz ACKERMANN  
(GEORG-AUGUST UNIVERSITY GOETTINGEN, Goettingen, Germany)

**Session Chair**

Dr Christophe GENICOT  
(UCB BIOPHARMA, Bruxelles, Belgium)

**10:00 Simple Syntheses of Chiral, Saturated N-Heterocycles**

Prof. Jeffrey BODE  
(ETH ZÜRICH, Zürich, Switzerland)

**11:00 Coffee Break**

**Session Chair**

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

**11:30 Synthetic Tools Based on Transition Metals**

Prof. José Luis MASCARENAS  
(UNIVERSITY OF SANTIAGO DE COMPOSTELA, Santiago de Compostela, Spain)

**12:30 Lunch & Poster Sessions**

**Session Chair**

Prof. István MARKÓ  
(UNIVERSITÉ CATHOLIQUE DE LOUVAIN, Louvain-la-Neuve, Belgium)

**14:30 Transition Metals: Versatile Synthetic Tools to Access Bioactive Compounds**

Prof. Janine COSSY  
(ESPCI PARISTECH, Paris, France)

**15:30 Coffee Break**

**Session Chair**

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

**16:00 Discovery and Development of Practical C-H Bond Functionalization with Main Group Reagents**

Prof. John F. HARTWIG  
(UC BERKELEY, Berkeley, United States)

**17:00 Award Ceremony & Cocktail**

**20:30 Symposium Dinner**

**Friday July 18, 2014**

**Session Chair**

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

**09:00 Gold Catalysed Reactions for Organic Synthesis**

Dr Fabien GAGOSZ  
(ECOLE POLYTECHNIQUE, Palaiseau, France)

**Session Chair**

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

**10:00 Efficient Transition Metal Catalysis with Two Chamber Reactors**

Prof. Troels SKRYDSTRUP  
(AARHUS UNIVERSITY, Aarhus, Denmark)

**11:00 Coffee Break**

**Session Chair**

Prof. Stéphane VINCENT  
(UNAMUR, Namur, Belgium)

**11:30 Design of Enantioselective Catalytic Cycles Driven by a Single Proton**

Prof. Amir H. HOVEYDA  
(BOSTON COLLEGE, Chestnut Hill, United States)