

Sunday 13/07/2014

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 14/07/2014

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 15/07/2014

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, 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 16/07/2014

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 17/07/2014

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, Brussels, Belgium)

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

Prof. Jeffrey BODE
(ETH ZURICH, 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 18/07/2014

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)