

Sunday July 10, 2016

14:30 **Registration**

17:00 **Opening**

Session Chair:

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

17:10 **L01 - Perspectives in Chemistry: From Supramolecular Chemistry to Adaptive Chemistry**

Prof. Jean-Marie LEHN
(ISIS/UNIVERSITY OF STRASBOURG, Strasbourg, France)

18:10 **Welcome Drink**

Monday July 11, 2016

08:30 Registration

Session Chair:

Prof. Alain KRIEF
(UNAMUR, Namur, Belgium)

Tetrahedron Chair: "Classics and Moderns in Fluorine Chemistry"

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

10:00 Tetrahedron Lecture 1: Late Stage Fluorination of Arenes: The Never Ending Story

11:00 Coffee break & exhibition

11:40 Tetrahedron Lecture 2: Csp³-F Bond Construction: Challenges and Solutions

12:40 Sandwich lunch, exhibition & Poster Session 1 (odd numbers)

14:30 Tetrahedron Lecture 3: Catalytic Reactions for Tri- and Difluoromethylation: The State of Play

15:30 Coffee break & exhibition

16:00 Tetrahedron Lecture 4: The Art of ¹⁸F-Labeling for Applications in Positron Emission Tomography

17:00 Tetrahedron Cocktail

Tuesday July 12, 2016

Session Chair:

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

09:00 L02 - Evolution of Anion Relay Chemistry (ARC): Design, Synthesis and Validation of Recoverable Siloxane-Based Transfer Agents for Palladium-Catalyzed Cross-Coupling Reactions

Prof. Amos SMITH
(UNIVERSITY OF PENNSYLVANIA, Philadelphia, United States)

Session Chair:

Prof. Raphaël ROBIETTE
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

10:00 L03 - Selective Catalytic Modifications of Unprotected Carbohydrates

Prof. Adriaan J. MINNAARD
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

11:00 Vendor Presentation: Interchim Ultra Performance Flash Purification makes purification easier, intuitive & productive

11:10 Coffee break & exhibition

Session Chair:

Prof. Stéphane VINCENT
(UNAMUR, Namur, Belgium)

11:40 L04 - Chemical Biology on the Genome

Prof. Sir Shankar BALASUBRAMANIAN
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

12:40 Sandwich lunch, exhibition & Poster Session 1 (odd numbers)

Session Chair:

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

14:30 L05 - Catalytic approaches to the synthesis of enantiopure heterocycles

Prof. Floris RUTJES
(RADBOD UNIVERSITY NIJMEGEN, Nijmegen, The Netherlands)

15:30 Coffee break & exhibition

Session Chair:

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

16:00 L06 - Biocatalytic Cascades for Organic Synthesis

Prof. Kurt FABER
(UNIVERSITY OF GRAZ, Graz, Austria)

Programme

Session Chair:

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

17:00

L07 - Copper-Catalyzed Hydrofunctionalization Processes

Prof. Stephen L. Buchwald
(Massachusetts Institute of Technology, Cambridge, United States)

Wednesday July 13, 2016

Session Chair:

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

09:00 L08 - Interface Between Molecular and Real World

Prof. Eiichi NAKAMURA
(UNIVERSITY OF TOKYO, Tokyo, Japan)

10:00 L09 - Direct Aromatic Coupling by Transition Metal Catalysis

Prof. Masahiro MIURA
(OSAKA UNIVERSITY, Osaka, Japan)

11:00 Coffee break & exhibition

Session Chair:

Dr Alain DE MESMAEKER
(SYNGENTA, Stein, Switzerland)

11:40 L10 - Sustainable Catalysis - Concepts and Applications for Visible Light Driven Reactions

Prof. Magnus RUEPING
(RWTH AACHEN, Aachen, Germany)

12:40 Sandwich lunch, exhibition & Poster Session 2 (even numbers)

14:30 Excursions

Thursday July 14, 2016

Session Chair:

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

09:00 L11 - Cooperative Catalysis in Asymmetric Synthesis: Case Studies of Mechanistic Understanding and Process Innovation

Prof. Kuiling DING
(SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, Shanghai, China)

10:00 L12 - Mechanistically Playful Metals

Prof. Cristina NEVADO
(UNIVERSITY OF ZURICH, Zurich, Switzerland)

11:00 Coffee break & exhibition

Session Chair:

Prof. Gwilherm EVANO
(ULB, Brussels, Belgium)

11:40 L13 - Catalytic Aerobic Oxidation Reactions for Organic Synthesis

Prof. Shannon S. STAHL
(UNIVERSITY OF WISCONSIN, Madison, United States)

12:40 Sandwich lunch, exhibition & Poster Session 2 (even numbers)

Session Chair:

Prof. Pieter VAN DER VEKEN
(UANTWERP, Antwerp, Belgium)

14:30 L14 - Fluorinated or Multivalent Carbohydrates Designed as Antibacterial Agents

Prof. Stéphane VINCENT
(UNAMUR, Namur, Belgium)

15:30 Coffee break & exhibition

Session Chair

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

16:00 [Janssen Prize for Creativity](#)

L15 - The Application of Photoredox Catalysis to New Transformations in Chemical Synthesis

Prof. David MACMILLAN
(PRINCETON UNIVERSITY, Princeton, United States)

17:00 Janssen Prize Ceremony & Cocktail

20:30 Symposium Dinner

Friday July 15, 2016

Session Chair

Prof. Guido VERNIEST
(VUB, Brussels, Belgium)

- 09:00 L16 - Asymmetric difunctionalization of Enamides via Hydrogen Bond Catalysis**
Dr Geraldine MASSON
(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES CNRS, Gif-sur-Yvette, France)
- 10:00 L17 - Bridging the Gap from Peptide Leads to Drug-like Molecules**
Prof. William D. LUBELL
(UNIVERSITY OF MONTREAL, Montreal, Canada)
- 11:00 Coffee break & exhibition**

Session Chair:

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

- 11:40 L18 - Concepts and Catalysts for Ion-Controlled Reactivity in Organic Synthesis**
Prof. F. Dean TOSTE
(UNIVERSITY OF CALIFORNIA, Berkeley, United States)
- 12:40 Closing Ceremony**