

Organic Chemistry, Present and Future

Programme

Monday April 9, 2007

16:30 Registration

18:00 Welcome Mixer

Organic Chemistry, Present and Future

Programme

Tuesday April 10, 2007

08:00 Registration

09:15 Introductory Remarks

Welcome

Prof. Roland KEUNINGS
(PRO-RECTEUR À LA RECHERCHE, UCL, Belgium)

Opening Remarks

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

09:30 Chair:

Prof. Jean-Jacques TOULME
(IECB & INSERM - UNIVERSITÉ BORDEAUX II, Bordeaux, France)

From Supramolecular Chemistry to Constitutional Dynamic Chemistry

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

10:20 Chair:

Prof. Wim DEHAEN
(KULEUVEN, Heverlee, Belgium)

Protein-sized Synthetic Folded Architectures

Dr Ivan HUC
(IECB & CNRS - UNIVERSITÉ DE BORDEAUX, Bordeaux, France)

11:10 Coffee break

11:40 Chair:

Prof. Dirk TOURWE
(VUB, Brussels, Belgium)

Adventures in Peptide Synthesis and Molecular Recognition

Dr. Laurent TREMBLEAU
(UNIVERSITY OF ABERDEEN, Aberdeen, United Kingdom)

12:30 Lunch and Poster Installation

14:00 Chair:

Prof. Martin O'DONNELL
(PURDUE UNIVERSITY INDIANAPOLIS, Indianapolis, IN, United States)

Novel Modified Nucleobases, Nucleosides and Nucleotides: Synthesis, Biological Activity and Applications

Dr. Michal HOCEK
(IOCB, ACADEMY OF SCIENCES, Prague, Czech Republic)

14:50 Chair:

Organic Chemistry, Present and Future

Programme

Dr Dominique LESUISSE
(SANOFI AVENTIS, Chilly-Mazarin, France)

Reactivity and Conformational Flexibility: a Study of Bridged Azetidinones

Prof. Jacqueline MARCHAND-BRYNAERT
(UCL, Louvain-la-Neuve, Belgium)

15:40 Coffee break

16:10 Chair:

Prof. Frans C. DE SCHRYVER
(KULEUVEN, HEVERLEE, Belgium)

Fine Approach to Polymer Synthesis

Prof. Kyoko NOZAKI
(THE UNIVERSITY OF TOKYO, Tokyo, Japan)

17:00 Chair:

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

Organic Nanochemistry

Prof. François DIEDERICH
(ETH ZÜRICH, Zürich, Switzerland)

17:50 End of Day One

Organic Chemistry, Present and Future

Programme

Wednesday April 11, 2007

09:30

Chair:

Dr Christophe GENICOT
(UCB SA, Brussels, Belgium)

Natural Product Synthesis: a Stimulus for Discovery

Prof. Steven V. LEY
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

10:20

Chair:

Dr. Solo GOLDSTEIN
(INSTITUT DE RECHERCHES SERVIER, Suresnes, France)

Total Synthesis of Natural Products: An Inspiring Source of Unique Synthetic Methodologies

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

11:10

Coffee break

11:40

Chair:

Dr Willy DUMONT
(FUNDP, NAMUR, Belgium)

Dearomatization of Phenols – Why, How and What for?

Prof. Stéphane QUIDEAU
(UNIVERSITE DE BORDEAUX 1, Talence, France)

12:30

Lunch and Poster Session 1

14:30

Chair:

Prof. Jacques FASTREZ
(UCL, LOUVAIN-LA-NEUVE, Belgium)

Tackling the Problems of Carbohydrate-Mediated Biological Recognition

Prof. Chi-Huey WONG
(THE SCRIPPS RESEARCH INSTITUTE, Taipei, Taiwan)

15:20

Chair:

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

Total Synthesis of Bioactive Natural Products: Complex Targets-Simple Solutions

Prof. Goverdhan MEHTA
(INDIAN INSTITUTE OF SCIENCE, Hyderabad, India)

16:30

Coffee break

17:00

Chair:

Dr Guy ROSSEY
(SANOFI AVENTIS, Montpellier, France)

Advances in Complex Target-Oriented Synthesis

Organic Chemistry, Present and Future

Programme

Prof. David A. EVANS
(HARVARD UNIVERSITY, CAMBRIDGE, United States)

17:50 End of Day Two

Organic Chemistry, Present and Future

Programme

Thursday April 12, 2007

09:30

Chair:

Prof. Benjamin LIST
(MAX PLANCK INSTITUTE, Muelheim an der Ruhr, Germany)

Catalytic Asymmetric Synthesis

Dr. Hisashi YAMAMOTO
(UNIVERSITY OF CHICAGO, Chicago, United States)

10:20

Chair:

Prof. Alain KRIEF
(FUNDP, Namur, Belgium)

Chiral Metal Hydrides for Asymmetric Catalysis

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

11:10

Coffee break

11:40

Chair:

Prof. Eli LOEWENTHAL
(CHEMISTRY DPT, TECHNION, Haifa, Israel)

New Methods for the Preparation of Enantiomerically Pure Quaternary Carbon Centers

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

12:30

Lunch and Poster Session 2

14:30

Chair:

Dr Brigitte LESUR
(INSTITUT DE RECHERCHES SERVIER, Paris, France)

Novel Ligands and Reactions in Asymmetric Catalysis

Dr. Juan Carlos CARRETERO
(UNIVERSIDAD AUTONOMA DE MADRID, Madrid, Spain)

15:20

Chair:

Dr Philippe BOVY
(SANOFI AVENTIS, Vitry-Sur-Seine, France)

Catalytic and Asymmetric Vinylogous Mukaiyama Reactions: Methodology and Synthetic Applications

Dr. Jean-Marc CAMPAGNE
(ENSCM, Montpellier, France)

16:30

Coffee break

17:00

Chair:

Dr. Stéphane DE LOMBAERT
(BOEHRINGER INGELHEIM PHARMACEUTICALS, Ridgefield CT, United States)

Rapid Formation of Molecular Complexity in Natural Product Synthesis

Organic Chemistry, Present and Future

Programme

Prof. Erik SORENSEN
(PRINCETON UNIVERSITY, Princeton, United States)

17:50 **End of Day Three**

19:30 **Optional Symposium Dinner**

Organic Chemistry, Present and Future

Programme

Friday April 13, 2007

09:30

Chair:

Dr Stéphane DUMAS
(EPIX PHARMACEUTICALS, INC.)

Fluorous Mixture Synthesis Approaches to Natural Product Stereoisomer Libraries

Prof. Dennis P. CURRAN
(UNIVERSITY OF PITTSBURGH, Pittsburgh, United States)

10:20

Chair:

Prof. Georges DIVE
(ULG, Liège 1, Belgium)

Discovery, Understanding and Applications of New Fluorination Processes

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

11:10

Coffee break

11:40

Chair:

Prof. Patrick PALE
(UNIVERSITE DE STRASBOURG, STRASBOURG, France)

A Quest for New Reactions: Some Interesting Perspectives for Organic Synthesis

Prof. Samir ZARD
(ECOLE POLYTECHNIQUE, Palaiseau, France)

12:30

Lunch and Poster Session 3

14:30

Chair:

Dr Alain DE MESMAEKER
(SYNGENTA & PRESIDENT OF SCS, Stein, Switzerland)

Modified Nucleotides: Tools in Bioorganic Chemistry

Prof. Bernd GIESE
(UNIVERSITY OF FRIBOURG, Fribourg, Switzerland)

15:20

Chair:

Dr Alex CORDI
(INSTITUT DE RECHERCHES SERVIER, SURESNES, France)

Selective Reactions and their Use in the Synthesis of Biologically Active Natural Products

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

16:30

Coffee break

17:00

Chair:

Prof. Jacqueline MARCHAND-BRYNAERT
(UCL, Louvain-la-Neuve, Belgium)

New Chemistry from an Old-timer!

Organic Chemistry, Present and Future

Programme

Prof. Léon GHOSEZ
(, Mont-Saint-Guibert, Belgium)

18:15

Closing Remarks

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

Closing Reception