

Programme

- 00:00 Award Lectures
- 00:00 Plenary Lectures
- 00:00 Invited Lectures
- 00:00 Oral Communications

Programme

Sunday July 9, 2023

15:00 **Registration**

17:00 **Opening Ceremony**

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

Session Chair

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

17:15 **PL01 - Artificial Metalloenzymes for in vivo Catalysis: Challenges and Opportunities**

Prof. Thomas WARD
(UNIVERSITY OF BASEL, Basel, Switzerland)

18:00 **PL02 - Universal Organocatalysts for our World
*sponsored by EurJOC for its 25th anniversary***

Prof. Benjamin LIST
(MAX-PLANCK-INSTITUT FÜR KOHLENFORSCHUNG, Mülheim an der Ruhr, Germany)

18:45 **Welcome Reception
*sponsored by Wiley***

20:15 **End of the Day**

Programme

Monday July 10, 2023

08:15 Registration

Session Chair

Prof. Michael SCHNÜRCH
(TU WIEN, Wien, Austria)

09:00 PL03 - Homogeneous Gold Catalysis for Organic Synthesis

Prof. Stephen HASHMI
(UNIVERSITY OF HEIDELBERG, Heidelberg, Germany)

09:45 IL01 - Translational Chemical Biology

Prof. Gonalo BERNARDES
(UNIVERSITY OF CAMBRIDGE & IMM LISBOA, Cambridge, United Kingdom)

10:15 Coffee Break & Exhibition

Session Chair

Prof. Michael SCHNÜRCH
(TU WIEN, Wien, Austria)

10:45 OC01 - Catalytic & Enantioselective SN1-Type Substitution Reaction with Allyl Cations

Mr Josep ESTEVE GUASCH
(ICIQ, Tarragona, Spain)

11:00 OC02 - New and Efficient Asymmetric Synthesis of Oleocanthal and Oleacein

Ms Beatriz MARTINS
(INSTITUTO DE TECNOLOGIA QUÍMICA E BIOLÓGICA ANTÓNIO XAVIER, Oeiras, Portugal)

11:15 OC03 - Unprotected Beta-Arylethylamines via Iron(II)-Catalyzed 1,2-Aminoarylation of Alkenes in Hexafluoroisopropanol

Mr Valentyn POZHYDAIEV
(INSTITUT DE SCIENCE ET D'INGÉNIERIE SUPRAMOLÉCULAIRES, Strasbourg, France)

11:30 OC04 - Synthesis and Applications of Planar Chiral [2.2]Paracyclophanes

Dr Erica BENEDETTI
(UNIVERSITÉ PARIS CITÉ, Paris, France)

11:45 OC05 - Synthesis of Novel Heterocycles Through Unconventional Organocatalytic Frameworks

Ing Fabian SCHARINGER
(VIENNA UNIVERSITY OF TECHNOLOGY, Wien, Austria)

12:00 IL02 - Severely Twisted Hexagon-Based Polycyclic Aromatic Hydrocarbons

Prof. Yoann COQUEREL
(AIX-MARSEILLE UNIVERSITY, Marseille, France)

12:30 Lunch & Exhibition

13:00 Magritek workshop (room : Raadzaal)

Session Chair

Programme

Dr Upendra Kumar SHARMA
(KU LEUVEN, Leuven, Belgium)

14:00 IL03 - Ligand Design for Regioselective C-H Activation

Prof. Laurean ILIES
(RIKEN, Saitama, Japan)

14:30 PL04 - NMR Chemical Shifts Beyond Numbers: From Understanding Electronic Structures to Reactivity Descriptor

Prof. Christophe COPÉRET
(ETH ZURICH, Zürich, Switzerland)

15:15 Coffee Break & Exhibition

Session Chair

Prof. Georgios VASSILIKOGIANNAKIS
(UNIVERSITY OF CRETE, Heraklion, Greece)

15:45 OC06 - Total Synthesis of Ophiorrhine A, G and Ophiorrhside E Featuring A Bioinspired Intramolecular Diels-Alder Cycloaddition

Mrs Wei CAO
(UNIVERSITÉ PARIS SACLAY, ORSAY, France)

16:00 OC07 - Atropselective Synthesis of Heterobiaryls Using Unpoled Indoles

Prof. Seunghoon SHIN
(HANYANG UNIVERSITY, Seoul, Korea, South)

16:15 OC08 - Process Development of Odalasvir

Dr Duc TRAN
(JANSSEN PHARMACEUTICA NV, Beerse, Belgium)

16:30 IL04 - Stereoselective Synthesis of SPMs Using the sp³-sp³ Negishi Reaction

Prof. Trond Vidar HANSEN
(UNIVERSITY OF OSLO, Oslo, Norway)

Session Chair

Prof. Pat GUIRY
(UNIVERSITY COLLEGE DUBLIN, Dublin, Ireland)

17:00 EuChemS Award Ceremony

**17:15 AL01 - New Ways to Do Fluorine Chemistry
EuChemS Female Organic Chemist of the Year 2022 Award**

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

18:00 Poster Session 1 (Odd numbers)

19:30 End of the Day

Programme

Tuesday July 11, 2023

Session Chair

Dr Paul CALLANT
(AGFA-GEVAERT N.V. (RETIRED), Edegem, Belgium)

09:00 PL05 - Building New Fusion Proteins with Enzymatic Oxidative Coupling Reactions

Prof. Matthew B. FRANCIS
(UC BERKELEY, Berkeley, United States)

09:45 IL05 - Multicomponent Tagging and Conjugation of Peptides and Proteins

Prof. Daniel GARCÍA RIVERA
(UNIVERSITY OF HAVANA, La Habana, Cuba)

10:15 Coffee Break & Exhibition

Session Chair

Prof. Berit OLOFSSON
(STOCKHOLM UNIVERSITY, Stockholm, Sweden)

10:45 OC09 - Rapid Assembly of Molecular Complexity From Simple Enamides

Prof. Georg MANOLIKAKES
(RPTU KAISERSLAUTERN-LANDAU, Kaiserslautern, Germany)

11:00 OC10 - Site-Selective Functionalizations of Amphiphilic Diols, Promoted by New Nucleophilic Organocatalysts with an Expanded Secondary Sphere Decorating an Active Core

Prof. Moshe PORTNOY
(TEL AVIV UNIVERSITY, Tel Aviv, Israel)

11:15 OC11 - Structuring of Organic Materials for Application in Organocatalysis

Mrs Aimar GONZALO BARQUERO
(NORMANDIE UNIVERSITÉ, Caen, France)

11:30 OC12 - Lewis Base Catalysis Enables Efficient Nucleophilic Substitutions - Application Towards Bioactive Compounds

Prof. Peter HUY
(ROSTOCK UNIVERSITY, Rostock, Germany)

11:45 OC13 - Site Selective Gold(I)-Catalysed Benzylic C-H Amination via an Intermolecular Hydride Transfer to Triazolinediones

Mr Kevin BEVERNAEGE
(UGENT, Gent, Belgium)

12:00 IL06 - GenoChemetic Diversification of Natural Products (Blending Synbio+ Synchem – The Best of Both Worlds)

Prof. Rebecca GOSS
(UNIVERSITY OF ST ANDREWS, St Andrews, United Kingdom)

12:30 Lunch & Exhibition

Session Chair

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

14:00 PL06 - Going with the Flow – The Use of Continuous Processing in Organic Synthesis

Programme

Prof. Oliver KAPPE
(UNIVERSITY OF GRAZ, Graz, Austria)

**14:45 IL07 - Synergistic Cooperation between Mechanistic Investigations and Catalysis: Towards Rational Design
EuChemS Division of Organic Chemistry Young Investigator Award 2021**

Prof. Monica H. PÉREZ-TEMPRANO
(INSTITUTE OF CHEMICAL RESEARCH OF CATALONIA (ICIQ), Tarragona , Spain)

15:15 Coffee Break & Exhibition

Session Chair

Prof. Hans-Günther SCHMALZ
(UNIVERSITY OF COLOGNE, Cologne, Germany)

**15:45 AL02 - Secondary-Sphere Modification in Organocatalysis
EuChemS Division of Organic Chemistry Young Investigator Award 2022**

Dr Anat MILO
(BEN GURION UNIVERSITY OF THE NEGEV, Be'er Sheva, Israel)

**16:15 OC14 - Fine-Tuning Substrate-Catalyst Interactions for Boosting Enantioselectivity in Halogen-Bonding
Catalysis**

Ms Alica KEUPER
(UNIVERSITY OF MÜNSTER, Münster, Germany)

**16:30 OC15 - Streamlining the Synthetic Manipulation of Complex Organic Molecules by Novel Solvent-Free
Approaches: Focus on the Chemistry of Carbohydrates**

Dr Serena TRABONI
(UNIVERSITY OF NAPLES FEDERICO II, Naples, Italy)

16:45 OC16 - Synthesis of Nitrogen Containing-Heterocycles by Pd-Catalyzed Domino C-H Reactions

Dr Cédric SCHNEIDER
(UNIVERSITY OF ROUEN, LABORATOIRE COBRA, Mont Saint Aignan, France)

Session Chair

Prof. Alois FÜRSTNER
(MAX PLANCK INSTITUT FÜR KOHLENFORSCHUNG, Muelheim an der Ruhr, Germany)

17:00 Dr. Margaret Faul Award for Women in Chemistry Ceremony

**17:15 AL03 - Dr. Margaret Faul Award for Women in Chemistry Lecture
Discovery and Application of Non-Heme Iron Enzymes for Biocatalysis**

Prof. Michelle C. CHANG
(UNIVERSITY OF CALIFORNIA, BERKELEY, Berkeley, United States)

18:00 Poster Session 2 (Even numbers)

19:30 End of the Day

Programme

Wednesday July 12, 2023

Session Chair

Dr Jan GOEMAN
(UGENT, Ghent, Belgium)

- 09:00 PL07 - Using Molecular Assembly to Program (Bio)Chemical Networks**
Prof. Nicolas WINSSINGER
(UNIVERSITY OF GENEVA, Geneva, Switzerland)
- 09:45 IL08 - Domino Reactions and Visible-Light-Mediated Transformations for the Synthesis and Functionalization of Indole Derivatives**
Prof. Leonid G. VOSKRESSENSKY
(PEOPLES FRIENDSHIP UNIVERSITY OF RUSSIA, Moscow, Russia)
- 10:15 Coffee Break & Exhibition**

Session Chair

Prof. Pat GUIRY
(UNIVERSITY COLLEGE DUBLIN, Dublin, Ireland)

- 10:45 OC17 - Iridium-Catalyzed Acid-Assisted Asymmetric Hydrogenation of Oximes to Hydroxylamines**
Dr Josep MAS-ROSELLÓ
(ETH ZURICH, Zurich, Switzerland)
- 11:00 OC18 - Trifluoroacetates as Trifluoromethylating Reagents Enabled by Iron Photocatalysis**
Dr Francisco JULIA-HERNANDEZ
(UNIVERSIDAD DE MURCIA, Murcia, Spain)
- 11:15 OC19 - Point-to-Helical Chirality Transfer in The Diastereoselective Synthesis of Boron Dipyrromethenes (BODIPYs)**
Ms Aminah ALMARSHAD
(NEWCASTLE UNIVERSITY, Newcastle, United Kingdom)
- 11:30 OC20 - AlphaFold2 as a Key Tool in the Discovery of a DES1 Inhibitor Ceramide Analog: Design, Synthesis, and Biological Evaluation of PR280**
Mr Pablo RIVERO
(UNIVERSITAT ROVIRA I VIRGILI, Tarragona, Spain)
- 11:45 PL08 - Synthetic Approaches to Macrolides and Terpenes**
Prof. Scott RYCHNOVSKY
(UNIVERSITY OF CALIFORNIA, IRVINE, Irvine, United States)
- 12:30 Lunch & Exhibition**
- 13:30 Excursion 1 (Meeting point: Registration desk)**
- 14:00 Excursions 2 > 5 (Meeting point: Registration desk)**
- 18:15 End of the Day**

Programme

19:30

Conference Dinner

Programme

Thursday July 13, 2023

Session Chair

Dr Ivo STARY
(INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY ASCR, Prague, Czech Republic)

09:00 PL09 - Keteniminium Chemistry: Computational Investigation of Formation and Reactivity

Prof. Saron CATAK
(BOGAZICI UNIVERSITY, Istanbul, Turkey)

09:45 IL09 - Roaming the Tree of Life with Bio-Inspired Chemistry

Prof. Erwan POUPON
(PARIS-SACLAY UNIVERSITY, Châtenay-Malabry, France)

10:15 Coffee Break & Exhibition

Session Chair

Prof. Igor OPSENICA
(UNIVERSITY OF BELGRADE - FACULTY OF CHEMISTRY, Belgrade, Serbia)

10:45 OC21 - Infrared Irradiation-Assisted Palladium-Catalyzed Cross-Dehydrogenative Coupling of Polyfluoroarenes with Heteroarenes

Dr Gianluigi ALBANO
(UNIVERSITY OF PISA, Pisa, Italy)

11:00 OC22 - Understanding Dynamic Exchange Using Variable Field NMR

Mr Jean-Paul HEEB
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

11:15 OC23 - Design/Synthesis of Water-Soluble and Photoactivatable Copper Complexes Based on Modified Cyclodextrins for in Cellulo Applications

Mr Hugo MADEC
(SORBONNE UNIVERSITÉ, Paris, France)

11:30 OC24 - Molecular Editing by Nitrogen Insertion

Prof. Johannes WAHL
(UNIVERSITÄT MAINZ, Mainz, Germany)

11:45 OC25 - Rigid Aliphatic Hydrocarbons as Key Structural Motifs in Material Precursors

Dr Karolina URBANSKA
(TRINITY COLLEGE DUBLIN, Dublin, Ireland)

12:00 IL10 - Application of ex-situ Generated Gases in Organic Synthesis

Prof. Wim DE BORGGRAEVE
(KU LEUVEN, Leuven, Belgium)

12:30 Lunch & Exhibition

Session Chair

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

14:00 IL11 - Enzymes: Making Them Part of the Chemist's Standard Toolbox

Prof. Francesca PARADISI
(UNIVERSITY OF BERN, Bern, Switzerland)

Programme

- 14:30** **Patai-Rappoport Lecture Award Ceremony**
"The Patai-Rappoport Lecture celebrates the vision of Saul Patai and Zvi Rappoport in creating and advancing the book series The Chemistry of Functional Groups, providing chemists with a highly valuable tool for advancing their research. The Lecture is supported by John Wiley & Sons."
- 14:40** **PL10 - Developing Data Science Tools for Organic Reaction Development (2023 Patai-Rappoport Lecture Award)**
Prof. Matthew S. SIGMAN
(THE UNIVERSITY OF UTAH, Salt Lake City, United States)
- 15:25** **Coffee Break & Exhibition**
- Session Chair**
Prof. Wim DE BORGGRAEVE
(KU LEUVEN, Leuven, Belgium)
- 15:55** **IL12 - Metal or Metal-Free? New Approaches for the Synthesis of Original Scaffolds**
Prof. Joanna WENCEL-DELDORD
(UNIVERSITY OF STRASBOURG, Strasbourg, France)
- 16:25** **PL11 - Development of Novel C–H Functionalization Methodologies**
Prof. Vladimir GEVORGYAN
(UNIVERSITY OF TEXAS AT DALLAS, Richardson, United States)
- 17:10** **Closing Remarks, OC & Poster Prizes**
Prof. Erik VAN DER EYCKEN (KU LEUVEN, Leuven, Belgium)
Prof. Johan VAN DER EYCKEN (UGENT, Ghent, Belgium)