

## Programme

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**Sunday July 3, 2022**

**Registration**

**Welcome Reception**

**End of the Day**

### Monday July 4, 2022

#### Registration

#### Opening Ceremony

Prof. Stéphane VINCENT (UNAMUR, Namur, Belgium)

Prof. Jieping ZHU (ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

#### 2020 Tetrahedron Chair

#### Session Chair:

Prof. Jieping ZHU

(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

#### General Principles of Selective Catalysis

Prof. Eric JACOBSEN

(HARVARD UNIVERSITY, Cambridge, United States)

#### Coffee break & Exhibition

#### Asymmetric Catalysis as a Mechanistic Tool

Prof. Eric JACOBSEN

(HARVARD UNIVERSITY, Cambridge, United States)

#### Lunch, Poster Session #1 & Exhibition

#### Workshop: Development of Reaxys Predictive Retrosynthesis, its Use and Adoption by Chemists

Mr Moritz HANSEN (ETH ZÜRICH, Zurich, Switzerland)

Dr Leanne MULLEN (ELSEVIER, Oxford, United Kingdom)

#### Selectivity and Generality in Enantioselective Catalysis

Prof. Eric JACOBSEN

(HARVARD UNIVERSITY, Cambridge, United States)

#### Coffee break & Exhibition

#### Minding Mechanistic Misfits!

Prof. Eric JACOBSEN

(HARVARD UNIVERSITY, Cambridge, United States)

#### Belgian Beer Cocktail Sponsored by Elsevier

#### End of the Day

### Tuesday July 5, 2022

#### Session Chairs:

Prof. Gwilherm EVANO (ULB, Brussels, Belgium)  
Dr Christophe GENICOT (UCB BIOPHARMA, Brussels, Belgium)

#### L01 - Taming Multifaceted Nickel Catalysts: An Academic Fascination

Prof. Ruben MARTIN  
(INSTITUTE OF CHEMICAL RESEARCH OF CATALONIA, Tarragona, Spain)

#### L02 - Difluoromethylene Transfer Reactions: New Wine from an Old Bottle *Virtual Lecture*

Prof. Jinbo HU  
(SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, Shanghai, China)

#### Coffee Break & Exhibition

#### Session Chair:

Prof. Christian STEVENS  
(UGENT, Ghent, Belgium)

#### L03 - Complex Natural Products as a Driving Force for Discovery in Organic Chemistry

Prof. Brian STOLTZ  
(CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, United States)

#### Lunch, Poster Session #2 & Exhibition

#### Session Chair:

Prof. Annemieke MADDER  
(UGENT, Ghent, Belgium)

#### L04 - Designer Enzymes Featuring Abiotic Catalytic Groups for Catalysis of New-to-Nature Reactions

Prof. Gerard ROELFES  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

#### Coffee Break & Exhibition

#### Session Chairs:

Prof. Steve LANNERS (UNAMUR, Namur, Belgium)  
Prof. Johan VAN DER EYCKEN (UGENT, Ghent, Belgium)

#### L05 - New Methods in Halogen-Atom Transfer

Prof. Daniele LEONORI  
(RWTH AACHEN UNIVERSITY, Aachen, Germany)

#### L06 - Rational Design of High-performance Catalysts Based on Acid–Base Combination Chemistry

Prof. Kazuaki ISHIHARA  
(NAGOYA UNIVERSITY, Nagoya, Japan)

#### End of the Day

### Wednesday July 6, 2022

#### Session Chairs:

Prof. Guillaume BERIONNI (UNAMUR, Namur, Belgium)  
Prof. Bert U.W. MAES (UNIVERSITY OF ANTWERP, Antwerp, Belgium)

#### L07 - Exploiting Conformational Control

Prof. Jonathan CLAYDEN  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

#### L08 - Boron an Emergent Element in Radical Chemistry

Prof. Armido STUDER  
(UNIVERSITY OF MÜNSTER, Münster, Germany)

#### Coffee Break & Exhibition

#### Session Chairs:

Prof. Jean-Christophe MONBALIU (ULIÈGE, Liège, Belgium)  
(SANOFI-AVENTIS DEUTSCHLAND GMBH)  
Prof. Erik VAN DER EYCKEN (KU LEUVEN, Leuven, Belgium)

#### L09 - Harnessing the Chemistry of Plant Natural Product Biosynthesis

Prof. Sarah E. O'CONNOR  
(MAX PLANCK INSTITUTE FOR CHEMICAL ECOLOGY, Jena, Germany)

#### L10 - Metal- or Metal-free? Complementarity Towards the Sustainable Synthesis of Complex Molecules via C-H Functionalization

Prof. Joanna WENCEL-DELOD  
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

#### Lunch & Exhibition

#### Excursions

#### End of the Day

**Thursday July 7, 2022**

**Session Chairs:**

Prof. Alain KRIEF (UNAMUR, Namur, Belgium)  
Dr Lieven MEERPOEL (MEERPOEL DC CONSULTANCY, Belgium)

**L11 - Carbenes as Powerful Transition Metal Surrogates**

Prof. Guy BERTRAND  
(UNIVERSITY OF CALIFORNIA, La Jolla, United States)

**L12 - Digital Chemistry and Chemputation**

Prof. Leroy CRONIN  
(UNIVERSITY OF GLASGOW, Glasgow, United Kingdom)

**Coffee Break & Exhibition**

**Session Chair:**

Prof. Ulrich HENNECKE  
(VUB, Brussels, Belgium)

**L13 - Synthesis of Zigzag Hydrocarbon Belts - An Organic Chemist's Perspective on Carbon Nanostructures  
*Virtual Lecture***

Prof. Mei-Xiang WANG  
(TSINGHUA UNIVERSITY, Beijing, China)

**Lunch, Poster Session #3 & Exhibition**

**Session Chair:**

Prof. Bruno LINCLAU  
(UGENT, Ghent, Belgium)

**L14 - Strained Rings, Hypervalent Bonds, Tethers: Reactivity Design for Synthesis**

Prof. Jerome WASER  
(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

**Coffee Break & Exhibition**

**2020 Janssen Prize for Creativity in Organic Synthesis**

**Session Chair:**

Dr Hilmar WEINMANN  
(JANSSEN PHARMACEUTICA, Beerse, Belgium)

**L15 - Simplifying Synthesis with Electricity**

Prof. Phil BARAN  
(THE SCRIPPS RESEARCH INSTITUTE, La Jolla, United States)

**2022 Janssen Prize for Creativity in Organic Synthesis**

**L16 - On Discovery and Sensitivity in Catalysis**

## Programme

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Prof. Frank GLORIUS  
(UNIVERSITY OF MÜNSTER, Münster, Germany)

**Award Ceremony & Cocktail**  
**Sponsored by Janssen Pharmaceutica**

**End of the Day**

**Symposium Banquet**

## Programme

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**Friday July 8, 2022**

**Session Chair:**

Dr Hilmar WEINMANN  
(JANSSEN PHARMACEUTICA, Beerse, Belgium)

**L17 - Shuttle Catalysis – A Conceptual Blueprint for Reversible Functional Group Transfer**

Prof. Bill MORANDI  
(ETH ZÜRICH, Zürich, Switzerland)

**L18 - Heterocyclic Tools to Reshape Molecules: From Novel Carboannulations to New Organic Materials**

Prof. Johan WINNE  
(UGENT, Ghent, Belgium)

**Coffee Break & Exhibition**

**Session Chair:**

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

**L19 - A Trip from Central to Axial and Helical Chiralities**

Prof. Jean RODRIGUEZ  
(AIX-MARSEILLE UNIVERSITY, Marseille, France)

**Closing Ceremony**

**End of the Symposium**