

## Programme

### Monday June 17, 2019

**08:00**     **Registration**

**09:10**     **Opening**

Prof. Matthias D'HOOGHE  
(GHENT UNIVERSITY, Ghent, Belgium)

#### Session 1

##### Session Chair

Prof. Christian STEVENS  
(GHENT UNIVERSITY, Ghent, Belgium)

**09:30**     **PL01 - Heterocycles as Key Features of New Starting Points for Drug Discovery**

Dr Peter MEIER  
(NOVARTIS PHARMA AG, Basel, Switzerland)

**10:15**     **IL01 - Development of Enzyme Inhibitors and Multi-target-directed Ligands for Treating Neurodegenerative and Autoimmune Diseases**

Prof. Stanislav GOBEC  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

**10:45**     **Coffee break**

#### Session 2

##### Session Chair

Prof. Till OPATZ  
(JOHANNES GUTENBERG-UNIVERSITY, Mainz, Germany)

**11:15**     **OC01 - Silil-Prins Cyclization: Towards the Synthesis of Medium Sized Heterocycles**

Prof. Asuncion BARBERO  
(UNIVERSITY OF VALLADOLID, Valladolid, Spain)

**11:30**     **OC02 - Chiral Piperidines from Pyridines: the Meta-Substitution Challenge in Asymmetric Hydrogenation**

Dr Paul ALSTERS  
(INNOSYN B.V., Geleen, The Netherlands)

**11:45**     **IL02 - Expanding the Chemical Space of Chiral Trifunctional Building Blocks by Stereoselective Synthesis from Natural Terpenes**

Prof. Zsolt SZAKONYI  
(UNIVERSITY OF SZEGED, Szeged, Hungary)

**12:15**     **Lunch**

#### Session 3

##### Session Chair

## Programme

Prof. Fawaz ALDABBAGH  
(KINGSTON UNIVERSITY, London, United Kingdom)

**13:30 PL02 - A Journey in Heteroaromatic Scaffolds as Protein Kinase Inhibitors.**

Prof. Pascale MOREAU  
(UNIVERSITY OF CLERMONT AUVERGNE, Aubière, France)

**14:15 IL03 - Bacterial Quinolones and Derivatives: New Drugs for Bad Bugs**

Dr Thomas BOTTCHER  
(UNIVERSITY OF KONSTANZ, Konstanz, Germany)

**14:45 OC03 - Hydrogen Peroxide and Hydrohalic Acid-Mediated Synthesis of Ring-Fused Benzimidazolequinone Anti-Cancer Agents**

Mr Darren CONBOY  
(KINGSTON UNIVERSITY LONDON, Kingston upon Thames, United Kingdom)

**15:00 Coffee break**

**Session 4**

**Session Chair**

Dr Bart ROMAN  
(GHENT UNIVERSITY, Ghent, Belgium)

**15:30 OC04 - Thionations Using a P4S10 -Pyridine Complex**

Ms Ngarita KINGI  
(VIRONOVA MEDICAL AB, Stockholm, Sweden)

**15:45 OC05 - First Solid-Phase Strategy for the Total Synthesis of Fengycin Derivatives, a Class of Cyclic Lipodepsipeptides**

Dr Lidia FELIU  
(LIPPSO, UNIVERSITY OF GIRONA, Girona, Spain)

**16:00 OC06 - Design and Synthesis of New Nitrogen-Containing Heterocycles for the Treatment of Mechanical Allodynia**

Ms Alexia VISSEQ  
(INSTITUT DE CHIMIE DE CLERMONT FERRAND, AUBIERE, France)

**16:15 OC07 - ZN(OTF)<sub>2</sub>-Catalyzed Synthesis of 2-Alkynylazetidines and their Ring Expansion to Functionalized 1,4,5,6-Tetrahydropyridines**

Dr Aaliya SHEHZADI  
(INTERNATIONAL ISLAMIC UNIVERSITY, Islamabad, Pakistan)

**16:30 Poster Session**

**18:00 Welcome Reception (Ghent City Hall)**

**Tuesday June 18, 2019**

### Session 5

#### Session Chair

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

**09:00 PL03 - Heterocycles To Control Immune Cell Function**

Prof. David FAIRLIE  
(UNIVERSITY OF QUEENSLAND, Brisbane, Australia)

**09:45 IL04 - Vitamin B12 – an Intriguing Bioheterocycle**

Prof. Dorota GRYKO  
(INSTITUTE OF ORGANIC CHEMISTRY PAS, Warsaw, Poland)

**10:15 OC08 - Hydroxylated Heterocycles as a Bioisosteric Tool to Modulate the Carboxylic Function**

Dr Agnese Chiara PIPPIONE  
(UNIVERSITY OF TURIN, Torino, Italy)

**10:30 OC09 - Nanomachine Biocatalysts: Enzymatic Fusions with Tethered Cofactors for Sustainable Industrial Chemistry**

Dr Andrea NORTH  
(CSIRO, Parkville, Australia)

**10:45 Coffee break**

### Session 6

#### Session Chair

Prof. Asuncion BARBERO  
(UNIVERSITY OF VALLADOLID, Valladolid, Spain)

**11:15 OC10 - The Magic of Wood and Light – New Concepts for Synthetic Chemistry**

Prof. Till OPATZ  
(JOHANNES GUTENBERG-UNIVERSITY, Mainz, Germany)

**11:30 OC11 - Synthesis of Enantioenriched 3-Isobenzofuranones Using Chiral Organomagnesiates**

Dr Sabrina TOUCHET  
(UNIVERSITÉ DE LORRAINE, Vandoeuvre-les-Nancy, France)

**11:45 IL05 - Functionalization of Aromatic Heterocycles Using Bases Derived from LiTMP**

Prof. Florence MONGIN  
(UNIVERSITY OF RENNES, Rennes, France)

**12:15 Lunch**

### Session 7

#### Session Chair

# Bioheterocycles 2019

## Programme

---

Prof. Stanislav GOBEC  
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

**13:30 PL04 - Synthesis of Heterocycles Using Visible Light Photocatalysis**

Prof. Burkhard KÖNIG  
(UNIVERSITY OF REGENSBURG, Regensburg, Germany)

**14:15 IL06 - Leveraging Carbonylation and N-acyl imine Chemistry in Heterocycle Synthesis.**

Dr Luke ODELL  
(UNIVERSITY OF UPPSALA, Uppsala, Sweden)

**14:45 OC12 - Structurally Simple Cytosine Peptidomimetics as Potent Cardioprotectors in Myocardial Ischemia (MI) Mouse Model: Design, Synthesis And Biological Evaluation**

Dr Edward KORSHIN  
(BAR-ILAN UNIVERSITY, Ramat Gan, Israel)

**15:00 OC13 - Biradical Formation by Deprotonation in Conjugated 2-Amino/Imino Thiazole Derivatives**

Prof. Francisco LOPEZ-CALAHORRA  
(UNIVERSITAT DE BARCELONA, Barcelona, Spain)

**16:00 Excursion**

### Wednesday June 19, 2019

#### Session 8

##### Session Chair

Prof. Wim DE BORGGRAEVE  
(KULEUVEN, Heverlee, Belgium)

**09:00 PL05 - The Beautiful Simplicity of Rearrangements**

Prof. Nuno MAULIDE  
(UNIVERSITY OF VIENNA, Vienna, Austria)

**09:45 IL07 - A journey with Saponins**

Dr Martina LAHMANN  
(BANGOR UNIVERSITY, Wales, United Kingdom)

**10:15 OC14 - Small but Selective: Developing Chemical Probes for PKN/PRK2**

Ms Fiona SCOTT  
(SUSSEX DRUG DISCOVERY CENTRE, Falmer, United Kingdom)

**10:30 OC15 - Application of Tsunoda reagent to the convenient synthesis of drug-like pyrazoles**

Dr Olivier LORTHIOIR  
(ASTRAZENECA, Cambridge, United Kingdom)

**10:45 Coffee break**

#### Session 9

##### Session Chair

Prof. Florence MONGIN  
(UNIVERSITY OF RENNES, Rennes, France)

**11:15 OC16 - The Phenanthridine PJ-34 Exclusively Eradicates Human cancer Cells**

Prof. Malka COHEN-ARMON  
(TEL-AVIV UNIVERSITY, Tel-Aviv, Israel)

**11:30 OC17 - Synthesis and in vitro  $\alpha$ -Glucosidase Inhibitory Activity of Polyhydroxylated 2-Styrylchromones**

Dr Clementina SANTOS  
(INSTITUTO POLITÉCNICO DE BRAGANÇA, Braganca, Portugal)

**11:45 IL08 - Heterocycles and Neglected Diseases: Still a Role for Total Synthesis**

Prof. Adrian DOBBS  
(UNIVERSITY OF GREENWICH, Kent, United Kingdom)

**12:15 Lunch**

#### Session 10

##### Session Chair

Prof. Zsolt SZAKONYI  
(UNIVERSITY OF SZEGED, Szeged, Hungary)

## Programme

- 13:30**    **PL06 - Multiple Conjugation Reactions on Peptides and Oligonucleotides**  
Prof. Anna GRANDAS  
(UNIVERSITY OF BARCELONA, Barcelona, Spain)
- 14:15**    **IL09 - Heterocycles as a Route to New Chemical Space for Drug Discovery**  
Prof. James BULL  
(IMPERIAL COLLEGE, London, United Kingdom)
- 14:45**    **OC18 - 'Stretched' Analogs of Piperidine, Piperazine, and Morpholine: Advanced Building Blocks for Drug Discovery**  
Dr Ivan KONDRATOV  
(ENAMINE, Kiev, Ukraine)
- 15:00**    **Coffee break**
- Session 11**
- Session Chair**  
Dr Thomas HEUGEBAERT  
(UGENT, Gent, Belgium)
- 15:30**    **OC19 - Regioselective C-H Arylation of Nitro Heterocycles and Further Transformation of Manipulable Nitro Group**  
Dr Iaroshenko VIKTOR  
(POLISH ACADEMY OF SCIENCES, Lodz, Poland)
- 15:45**    **OC20 - Bio-Based Amines from Lignin Derived Monomers**  
Mr Jeroen BOMON  
(UNIVERSITEIT ANTWERPEN, Antwerpen, Belgium)
- 16:00**    **OC21 - Kolbe Anodic Decarboxylation as a Green Way to Access Pyrrolidinones**  
Ms Mathilde QUERTENMONT  
(UNIVERSITÉ CATHOLIQUE DE LOUVAIN, La Hulpe, Belgium)
- 16:15**    **OC22 - Playing with Properties of Biologically Active Compounds: High-Throughput Conjugation of Drug-Like Molecules for Chemical Biology**  
Ms Sona KRAJCOVICOVA  
(PALACKY UNIVERSITY, Olomouc, Czech Republic)
- 16:30**    **Poster Session**
- 19:00**    **Symposium Banquet**

**Thursday June 20, 2019**

**Session 12**

**Session Chair**

Prof. Sven MANGELINCKX  
(GHENT UNIVERSITY, Ghent, Belgium)

**10:00 PL07 - Heterocyclic Chemistry in Drug Development**

Prof. Wim DE BORGGRAEVE  
(KULEUVEN, Heverlee, Belgium)

**10:45 IL10 - Biologically Active Azaheterocycles Containing a Ferrocene Moiety**

Prof. Niko S. RADULOVIC  
(UNIVERSITY OF NIS, Nis, Serbia)

**11:15 OC23 - Biologically Active Oxygen and Nitrogen Heterocyclic Compounds from Cycloaddition and Conjugate Addition Reactions On Chromones**

Prof. Artur M.S. SILVA  
(UNIVERSITY OF AVEIRO, Aveiro, Portugal)

**11:30 OC24 - Towards DNA-Encoded Heterocycle Libraries - DNA-Compatible Povarov and Groebke Reactions by Micellar Brønsted Acid Catalysis**

Dr Andreas BRUNSCHWEIGER  
(TU DORTMUND, Dortmund, Germany)

**11:45 Closing and Award ceremony**

Prof. Matthias D'HOOGHE  
(GHENT UNIVERSITY, Ghent, Belgium)

**12:00 Take away Lunch boxes**