

## 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  
(UGENT, Ghent, Belgium)

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

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

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

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 Silil-Prins Cyclization: Towards the Synthesis of Medium Sized Heterocycles (OC01)**

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

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

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

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

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 A Journey in Heteroaromatic Scaffolds as Protein Kinase Inhibitors (PL02)**

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

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

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

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

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 Thionations Using a P4S10-Pyridine Complex (OC04)**

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

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

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

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

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

**16:15 Poster Session**

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

## Programme

**Tuesday June 18, 2019**

### Session 5

#### Session Chair

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

**09:00 Heterocycles To Control Immune Cell Function (PL03)**

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

**09:45 Vitamin B12 – an Intriguing Bioheterocycle (IL04)**

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

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

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

**10:30 Tweaking the Blebbistatin Scaffold Towards Better Pharmacological Tools (OC09)**

Dr Bart ROMAN  
(GHENT UNIVERSITY, Ghent, Belgium)

**10:45 Coffee break**

### Session 6

#### Session Chair

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

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

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

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

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

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

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

**12:15 Lunch**

### Session 7

#### Session Chair

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

## Programme

- 13:30      Synthesis of Heterocycles Using Visible Light Photocatalysis (PL04)**  
Prof. Burkhard KÖNIG  
(UNIVERSITY OF REGENSBURG, Regensburg, Germany)
- 14:15      Leveraging Carbonylation and N-acyl imine Chemistry in Heterocycle Synthesis (IL06)**  
Prof. Luke ODELL  
(UNIVERSITY OF UPPSALA, Uppsala, Sweden)
- 14:45      Structurally Simple Cytosine Peptidomimetics as Potent Cardioprotectors in Myocardial Ischemia (MI) Mouse Model: Design, Synthesis And Biological Evaluation (OC12)**  
Dr Edward KORSHIN  
(BAR-ILAN UNIVERSITY, Ramat Gan, Israel)
- 15:00      Biradical Formation by Deprotonation in Conjugated 2-Amino/Imino Thiazole Derivatives (OC13)**  
Prof. Francisco LOPEZ-CALAHORRA  
(UNIVERSITAT DE BARCELONA, Barcelona, Spain)
- 16:00      Excursion**

## Programme

### Wednesday June 19, 2019

#### Session 8

##### Session Chair

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

**09:00 The Beautiful Simplicity of Rearrangements (PL05)**

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

**09:45 A journey with Saponins (IL07)**

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

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

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

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

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 The Phenanthridine PJ-34 Exclusively Eradicates Human cancer Cells (OC16)**

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

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

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

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

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 Multiple Conjugation Reactions on Peptides and Oligonucleotides (PL06)**  
Prof. Anna GRANDAS  
(UNIVERSITY OF BARCELONA, Barcelona, Spain)
- 14:15 Heterocycles as a Route to New Chemical Space for Drug Discovery (IL09)**  
Prof. James BULL  
(IMPERIAL COLLEGE, London, United Kingdom)
- 14:45 'Stretched' Analogs of Piperidine, Piperazine, and Morpholine: Advanced Building Blocks for Drug Discovery (OC18)**  
Dr Ivan KONDRATOV  
(ENAMINE, Kyiv, Ukraine)
- 15:00 Coffee break**
- Session 11**
- Session Chair**  
Prof. Thomas HEUGEBAERT  
(UGENT, Gent, Belgium)
- 15:30 Biologically Active Oxygen and Nitrogen Heterocyclic Compounds from Cycloaddition and Conjugate Addition Reactions On Chromones (OC19)**  
Prof. Artur M.S. SILVA  
(UNIVERSITY OF AVEIRO, Aveiro, Portugal)
- 15:45 Combining Isocyanides with Carbon Dioxide for Heterocycle Synthesis (OC20)**  
Mr Jeroen BOMON  
(UNIVERSITEIT ANTWERPEN, Antwerpen, Belgium)
- 16:00 Kolbe Anodic Decarboxylation as a Green Way to Access Pyrrolidinones (OC21)**  
Ms Mathilde QUERTENMONT  
(UNIVERSITÉ CATHOLIQUE DE LOUVAIN, La Hulpe, Belgium)
- 16:15 Playing with Properties of Biologically Active Compounds: High-Throughput Conjugation of Drug-Like Molecules for Chemical Biology (OC22)**  
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 Heterocyclic Chemistry in Drug Development (PL07)**

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

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

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

**11:15 Regioselective C-H Arylation of Nitro Heterocycles and Further Transformation of Manipulable Nitro Group (OC23)**

Dr Viktor IAROSHENKO  
(POLISH ACADEMY OF SCIENCES, Lodz, Poland)

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

Dr Andreas BRUNSCHWEIGER  
(TU DORTMUND, Dortmund, Germany)

**11:45 Closing and Award ceremony**

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

**12:00 Lunch**