

Programme

Monday 17/06/2019

08:00 Registration

09:10 Opening

Prof. Matthias D'HOOGE
(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)

Tuesday 18/06/2019

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)**
Dr 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**

Wednesday 19/06/2019

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 α -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, Kiev, Ukraine)
- 15:00 Coffee break**
- Session 11**
- Session Chair**
Dr 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 20/06/2019

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'HOOOGHE
(GHENT UNIVERSITY, Ghent, Belgium)

12:00 Lunch