# Bioheterocycles 2019

## Confirmed Speakers

### Plenary lectures

#### Heterocyclic Chemistry in Drug Development (PL07)



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

#### Heterocycles To Control Immune Cell Function (PL03)



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

#### Multiple Conjugation Reactions on Peptides and Oligonucleotides (PL06)



Prof. Anna GRANDAS
(UNIVERSITY OF BARCELONA, Barcelona, Spain)

#### Synthesis of Heterocyles Using Visible Light Photocatalysis (PL04)



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

#### The Beautiful Simplicity of Rearrangements (PL05)



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

#### Heterocycles as Key Features of New Starting Points for Drug Discovery (PL01)



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

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



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

### Invited lectures

#### Bacterial Quinolones and Derivatives: New Drugs for Bad Bugs (IL03)



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

#### Heterocycles as a Route to New Chemical Space for Drug Discovery (IL09)

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Prof. James BULL
(IMPERIAL COLLEGE, London, United Kingdom)

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



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

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



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

**Vitamin B12 – an Intriguing Bioheterocycle (IL04)**



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

**A journey with Saponins (IL07)**



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

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



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

**Leveraging Carbonylation and N-acyl imine Chemistry in Heterocycle Synthesis (IL06)**



Prof. Luke ODELL
(UNIVERSITY OF UPPSALA, Uppsala, Sweden)

**Biologically Active Azaheterocycles Containing a Ferrocene Moiety (IL10)**



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

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



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

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### Oral Communications

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



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

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



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

**Combining Isocyanides with Carbon Dioxide for Heterocycle Synthesis (OC20)**



Mr Jeroen BOMON
(UNIVERSITEIT ANTWERPEN, Antwerpen, Belgium)

**Towards DNA-Encoded Heterocycle Libraries - DNA-Compatible Povarov and Groebke Reactions by Micellar Broensted Acid Catalysis (OC24)**



Dr Andreas BRUNSCHWEIGER
(TU DORTMUND, Dortmund, Germany)

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



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

**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)

**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)

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



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

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



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

### 'Stretched' Analogs of Piperidine, Piperazine, and Morpholine: Advanced Building Blocks for Drug Discovery (OC18)



Dr Ivan KONDRATOV
(ENAMINE, Kyiv, Ukraine)

### 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)

### 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)

### Biradical Formation by Deprotonation in Conjugated 2-Amino/Imino Thiazole Derivatives (OC13)



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

### Application of Tsunoda reagent to the convenient synthesis of drug-like pyrazoles (OC15)



Dr Olivier LORTHIOIR
(ASTRAZENECA, Cambridge, United Kingdom)

### The Magic of Wood and Light – New Concepts for Synthetic Chemistry (OC10)



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

### Hydroxylated Heterocycles as a Bioisosteric Tool to Modulate the Carboxylic Function (OC08)



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

### Kolbe Anodic Decarboxylation as a Green Way to Access Pyrrolidinones (OC21)

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Ms Mathilde QUERTENMONT
(UNIVERSITÉ CATHOLIQUE DE LOUVAIN, La Hulpe, Belgium)

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



Dr Bart ROMAN
(GHENT UNIVERSITY, Ghent, Belgium)

**Synthesis and in vitro ?-Glucosidase Inhibitory Activity of Polyhydroxylated 2-Styrylchromones (OC17)**



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

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



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

**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)

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



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

**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)