

## Programme

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### Monday June 10, 2019

10:00 Optional Excursions

15:00 Registration

Opening Session

17:30 Opening of the Symposium & Welcome Address

17:45 **PL01 - Derivatives of 1,3,5-triazine as a New Trend in the Search for the 5-HT<sub>6</sub> Receptor Ligands with Therapeutic Perspectives**

Dr. Jadwiga HANDZLIK  
(MEDICAL COLLEGE OF JAGIELLONIAN UNIVERSITY, Krakow, Poland)

18:30 Welcome Reception

## Programme

### Tuesday June 11, 2019

**08:00 Registration**

#### Matrix Metallo-Proteinases

**09:01 IL01 - Unnatural Amino Acids as a Tool for Better Understanding of Endoproteases Substrate Specificity**

Prof. Marcin DRAG  
(WROCLAV UNIVERSITY OF TECHNOLOGY, Wroclaw, Poland)

**09:30 IL02 - MMP-9 at the Synapse in the Brain and Mind**

Prof. Leszek KACZMAREK  
(NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, Warsaw, Poland)

**10:00 IL03 - Target Identification by TAILS N-Terminal Positional Proteomics Leads to Development of a Pharmacological Molecular Corrector for Mutant MALT1 Impaired NF- $\kappa$ B Activation in Immunodeficiency**

Prof. Christopher OVERALL  
(UNIVERSITY OF BRITISH COLUMBIA, Vancouver, Canada)

**10:30 Coffee Break and Exhibition**

#### Genomics in Drug Discovery : Roles for Chemistry

**11:00 IL04 - Remedying the Diseased Genome with Precision-tailored synthetic Gene Regulators (SynGRs)**

Prof. Aseem ANSARI  
(UNIVERSITY OF WISCONSIN-MADISON, Madison, United States)

**11:30 IL05 - Exploring Bacterial Genomes for Natural Product Discovery and Development**

Prof. Alessandra S. EUSTAQUIO  
(UNIVERSITY OF ILLINOIS AT CHICAGO, Chicago, United States)

**12:00 OC01 - to be selected from the submitted abstracts**

**12:15 OC02 - to be selected from the submitted abstracts**

**12:30 Lunch and Exhibition**

#### Advances in Protein Degradation Technologies

**14:00 IL06- Targeted Protein Degradation with Small Molecules: How PROTACs work**

Prof. Alessio CIULLI  
(UNIVERSITY OF DUNDEE, Dundee, United Kingdom)

**14:30 IL07 - The Ubiquitin Proteasome System**

Prof. Huib OVAA  
(LEIDEN UNIVERSITY MEDICAL CENTER, Leiden, The Netherlands)

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- 15:00**      **OC03 - to be selected from the submitted abstracts**
- 15:15**      **OC04- to be selected from the submitted abstracts**
- 15:30**      **Coffee Break and Exhibition**
- 16:00**      **PL02 - Systems Pharmacology Links GPCRs with Retinal Degenerative Disorders**  
Prof. Krzysztof PALCZEWSKI  
(CASE WESTERN RESERVE UNIVERSITY, Cleveland, United States)
- 16:45**      **Poster Session 1**  
**(posters with odd numbers)**

## Programme

### Wednesday June 12, 2019

- 09:00**      **GPCRs : a Discovery Powerhouse**
- 09:00**      **IL08 - G Protein-Coupled Receptors: the Structural Basis for their Pharmacology**  
Dr Chris TATE  
(MRC LABORATORY OF MOLECULAR BIOLOGY, Cambridge, United Kingdom)
- 09:30**      **IL09 - Design of Orexin-1 Receptor Selective Antagonists**  
Dr Uta LESSEL  
(BOEHRINGER INGELHEIM, Biberach an der Riss, Germany)
- 10:00**      **IL10 - Next Generation GPR119 Agonists as Potential Treatment for Cardiometabolic Diseases**  
Dr Lothar SCHWINK  
(SANOFI, Frankfurt Am Main, Germany)

**10:30**      **Coffee Break and Exhibition**

#### Multi-Targeted Drugs

- 11:00**      **IL11 - Charting New Paths in Multi-Target Drug Discovery for Alzheimer's Disease**  
Prof. Maria Laura BOLOGNESI  
(UNIVERSITY OF BOLOGNA, Bologna, Italy)
- 11:30**      **IL12 - Multiple Targeting - The Histamine H3 Receptor Pharmacophore as Central Element**  
Prof. Holger STARK  
(HEINRICH HEINE UNIVERSITY DÜSSELDORF, Duesseldorf, Germany)
- 12:00**      **OC05 - to be selected from the submitted abstracts**

**12:15**      **OC06 - to be selected from the submitted abstracts**

**12:30**      **Lunch and Exhibition**

#### Opioid, Pain, Endo-Cannabinoid

- 14:00**      **IL13 - Cannabinoid Receptor Type 2 Modulation to Improve Outcomes for Cartilage Repair in the Osteoarthritic Joint**  
Prof. Katarzyna STAROWICZ-BUBAK  
(INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, Krakow, Poland)
- 14:30**      **IL14 - The Huge Potential of Natural Cannabinoids and Synthetic Cannabinoids in Neuroprotection**  
Prof. Rafael FRANCO  
(UNIVERSITY OF BARCELONA, Barcelona, Spain)
- 15:00**      **OC07 - to be selected from the submitted abstracts**

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- 15:15**      **OC08 - to be selected from the submitted abstracts**
- 15:30**      **Coffee Break and Exhibition**
- 16:00**      **PL03 - Next Generation Pain Therapeutics for the Opioid Crisis: Design of Bifunctional Nociceptin/Mu Opioid GPCR Ligands as non-Addicting Analgesics**  
Dr Nurulain ZAVERI  
(ASTRAEA THERAPEUTICS, Mountain View, United States)
- 16:45**      **Poster Session 2**  
**(posters with even numbers)**
- 20:00**      **Banquet**

Thursday June 13, 2019

### Chemical Biology Tools & Target Engagement Technologies

- 09:00** **IL15 - Protein-Ligand Interactions: How Medicinal Chemistry Contributes to the Understanding of Molecular Recognition**  
Dr Marc NAZARE  
(FMP, Berlin, Germany)
- 09:30** **IL16 - Adventures in Targeting Protein Lipidation: Breaking Drug Resistance Using Fragment Deconstruction and Chemical Biology**  
Prof. Edward TATE  
(IMPERIAL COLLEGE LONDON, London, United Kingdom)
- 10:00** **IL17 - Chemical Physiology of Antibody Conjugates and Natural Products "2018 MedChemComm Emerging Investigator Lectureship"**  
Dr Goncalo BERNARDES  
(INSTITUTO DE MEDICINA MOLECULAR, PORTUGAL & UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)
- 10:30** **Coffee Break and Exhibition**

### Targeted Covalent Inhibitors

- 11:00** **IL18 - Safety First: Covalent Inhibitors from a Safety Perspective**  
Dr Mickael MOGEMARK  
(ASTRAZENECA, Mölndal, Sweden)
- 11:30** **IL19 - Adventures in Functional Assignment and Inhibition of Metallo-Enzymes**  
Prof. Christopher J. SCHOFIELD  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)
- 12:00** **IL20 - Mining the Protein Kinase Cysteinome**  
Dr Tjeerd BARF  
(ACERTA PHARMA BV, Oss, The Netherlands)
- 12:30** **Lunch and Exhibition**

### Adding AI to the Drug Discovery Tool Box

- 14:00** **IL21 - AI-based Chemical Synthesis for Accelerating Drug Discovery**  
Prof. Mark WALLER  
(UNIVERSITY OF WOLLONGONG, Wollongong, Australia)
- 14:30** **IL22 - Applications of Artificial Intelligence in Drug Discovery – Separating Hype From Utility**  
Dr Pat WALTERS  
(RELAY THERAPEUTICS, Cambridge, United States)
- 15:00** **OC09 - Augmented Intelligence for Compound Design**  
Dr Michal WARCHOL  
(ARDIGEN, Krakow, Poland)

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15:15 OC10 - to be selected from the submitted abstracts

15:30 Closing Remarks