

Sunday September 3, 2023

Registration

Opening

Opening Lecture
Synthetic and Medicinal Chemistry for Biologics

Prof. Jeffrey BODE
(ETH ZURICH, Zürich, Switzerland)

Welcome Reception

Monday September 4, 2023

Registration

Flow-enabled Synthesis of Fluorinated and Fluoroalkylated Moieties

Prof. Timothy NOËL
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

MicroCycle: A Machine Learning Driven, Automated and Integrated Platform for Drug Discovery

Dr Cara BROCKLEHURST
(NOVARTIS, Basel, Switzerland)

OC01 - Divergent Synthesis as an Emergent Tool for Drug Discovery

Prof. Alexandros ZOGRAFOS
(ARISTOTLE UNIVERSITY OF THESSALONIKI, THESSALONIKI, Greece)

Coffee-break and Exhibition

Synthesis of Fluorinated Molecules Using Modern Synthetic Tools

Dr Tatiana BESSET
(INSA OF ROUEN, Mont-Saint-Aignan, France)

Chemical Probes and their Relevance for Drug Discovery Programs – Examples from the Endocannabinoid System

Dr Uwe GRETHER
(F. HOFFMANN-LA ROCHE, Basel, Switzerland)

OC02 - Isolation and Biological Activities of Natural Products and Analogues from the Adriatic Coral Eunicella Cavolini

Prof. Dean MARKOVIĆ
(UNIVERSITY OF RIJEKA, Rijeka, Croatia)

Lunch and Exhibition

New Catalytic Approaches for Simplifying Complex Amine Synthesis

Prof. Darren J. DIXON
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

Challenges and Opportunities in CNS Drug Discovery

Dr Frauke POHLKI
(ABBVIE DEUTSCHLAND GMBH & CO.KG, Ludwigshafen, Germany)

OC03 - Design and Optimization of High Performance KSPi ADCs With Increased Tumor Selectivity: Enhancing the Therapeutic Window by Legumain-Mediated ADC Activation

Dr anne-sophie REBSTOCK
(VINCERX, monheim am rhein, Germany)

Coffee-break and Exhibition

Enabling Technologies to Drive the MSD Portfolio

Dr Rebecca RUCK
(MERCK, SHARP & DOHME, Rahway, United States)

Programme

Novel Methods and Strategies for Rapid and Controlled Synthesis of Complex Antibiotics

Prof. David SARLAH
(UNIVERSITY OF ILLINOIS, Urbana, United States)

Closing of the day

Tuesday September 5, 2023

Can Chemistry Generate Biological Questions?

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

Structure Based Identification of Novel Albumin Binders for Half-Life Extensions of Proteins and Peptides

Dr Maria MÉNDEZ PÉREZ
(SANOFI GERMANY, Frankfurt, Germany)

OC04 - High-Throughput Protac Synthesis and Direct to Biology Assaying for Rapidly Evaluating Targeted Protein Degradation

Dr Afjal MIAH
(GLAXOSMITHKLINE, Stevenage, United Kingdom)

Coffee-break and Exhibition

Phenotypic Screen to NLRP3 lead

Dr Daniel OEHLRICH
(JOHNSON & JOHNSON PHARMACEUTICAL RESEARCH AND DEVELOPMENT, Beerse, Belgium)

Precision Molecule Editing (a Game of Bio and Chemo-catalysis)

Prof. Rebecca GOSS
(UNIVERSITY OF ST ANDREWS, St Andrews, United Kingdom)

OC05 - Discovery of A Potent, Selective and Metabolically Stable mTOR Kinase Inhibitor Exploiting Morpholine Isosters

Dr Chiara BORSARI
(UNIVERSITY OF MILAN, Milan, Italy)

Lunch and Exhibition

Poster Session 1 (odd numbers)

Next Generation Design-Make-Test-Analysis-Cycles

Dr Clara CHRIST
(BAYER, Berlin, Germany)

Making and Breaking of C-S Bonds Using Metal Catalysis

Dr Ivana FLEISCHER
(UNIVERSITY OF TÜBINGEN, Tuebingen, Germany)

OC06 - Discovery of Imidazo[1,2-a]Pyridine Carboxamide BAY 1165747, a Long-Acting Soluble Guanylate Cyclase Stimulator for Resistant Hypertension

Dr Alexandros VAKALOPOULOS
(BAYER AG, Wuppertal, Germany)

Coffee-break and Exhibition

From BRD4 to KRAS: 12 Years of Oncology Small Molecules

Dr Darryl MCCONNELL
(BOEHRINGER INGELHEIM, Vienna, Austria)

Programme

Synthesis of Glycosylated Natural Products or Analogues of Biological Interest

Dr Stéphanie NORSIKIAN

(INSTITUT DE CHIMIE DES SUBSTANCES NATURELLES, Gif-sur-Yvette, France)

Closing of the day

Wednesday September 6, 2023

Machine Learning to Accelerate Design-Make-Test Cycles

Dr Marwin SEGLER
(MICROSOFT RESEARCH, Cambridge, United Kingdom)

Covalent Chemical Biology with Natural Products and Novel Synthetic Warheads

Prof. Thomas POULSEN
(AARHUS UNIVERSITY, Aarhus C, Denmark)

OC07 - Direct Access to Unnatural Drug-Like Molecules by Photocatalytic Late-Stage Functionalization

Prof. Olga GARCIA MANCHENO
(UNIVERSITY OF MÜNSTER, Münster, Germany)

Coffee-break and Exhibition

Multicomponent Alkene Cross-Coupling by Base Metal Catalysis

Dr Ming Joo KOH
(NATIONAL UNIVERSITY OF SINGAPORE, Singapore, Singapore)

Finerenone - A Novel Mineralo-Corticoid Receptor (MR) Antagonist

Dr Johannes PLATZEK
(BAYER, Wuppertal, Germany)

OC08 - Cocktails For 19F NMR Fragment Screening: From Theory to Applications Using Enamine's Stock Chemical Space

Prof. Dmytro VOLOCHNYUK
(ENAMINE LTD, Kyiv, Ukraine)

Lunch and Exhibition

Poster Session 2 (even numbers)

Discovery of the First Orally Efficacious Small Molecules Disrupting the YAP-TEAD Interaction by Direct Competition

Dr Nicolas SOLDERMANN
(NOVARTIS, Basel, Switzerland)

EFMC Prizes Session - Ceremony & Lectures

EFMC Prize for a Young Medicinal Chemist or Chemical Biologist in Academia

Dr Georg WINTER
(RESEARCH CENTER FOR MOLECULAR MEDICINE OF THE AUSTRIAN ACADEMY OF SCIENCES, Vienna, Austria)

EFMC Prize for a Young Medicinal Chemist or Chemical Biologist in Industry

Dr Teresa DE HARO GARCIA
(UCB, Braine l'Alleud, Belgium)

EFMC Prize Winner EFMC-YMCS 2022

Ms Floriane ESHAK
(UNIVERSITY PARIS CITÉ, Paris, France)

Programme

Coffee-break and Exhibition

Why Chemputers Will Dream of Electric Drugs

Prof. Leroy CRONIN
(UNIVERSITY OF GLASGOW, Glasgow, United Kingdom)

Closing of the day

Symposium Banquet sponsored by Selvita

Thursday September 7, 2023

Taking Molecular Glue Degraders to New Heights

Dr Owen WALLACE
(MONTE ROSA THERAPEUTICS, Boston, United States)

Making Difficult-to-Make Molecules: Photochemistry as an Enabling Tool

Dr Susannah COOTE
(UNIVERSITY OF BATH, Bath, United Kingdom)

OC09

Coffee-break and Exhibition

Novel Modes of Enzyme Inhibition

Dr Anders JOHANSSON
(ASTRAZENECA, Molndal, Sweden)

Natural Product Synthesis Through the Lens of Informatics

Prof. Ryan SHENVI
(SCRIPPS RESEARCH, La Jolla, United States)

Closing Remarks & Prize Ceremony

End of the symposium