

Thursday November 16, 2023

Registration

Opening Ceremony

Dr Yves P. AUBERSON (NOVARTIS & EFMC, Basel, Switzerland)
Prof. Maja KÖHN (UNIVERSITY OF FREIBURG, Freiburg, Germany)

Moving Undruggable Discoveries into the Drug Discovery Pipeline with Chemical Biology

Dr John TALLARICO
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Cambridge, United States)

Session 1: Chemical Proteomics in Drug Discovery

Session Chair

Dr Sebastian ESSIG
(BAYER AG, Wuppertal, Germany)

Title to be Announced

Dr Marcus BANTSCHKEFF
(CELLZOME/GSK, Heidelberg, Germany)

Coffee Break, Networking & Exhibition

Towards Covalent Inhibitors Addressing Diverse Amino Acids

Dr Stephan HACKER
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

ABPP and its Impact on Drug Discovery - Successful Examples from the MAGL Program

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

Oral Communication 1

Lunch, Networking & Exhibition

Session 2: Computational Chemical Biology (LS-EuChemS Session)

Session Chair

Dr Sonsoles MARTIN-SANTAMARIA
(CIB-CSIC, Madrid, Spain)

Unravelling the Molecular Mechanism of Pre-mRNA Splicing via All-atom Simulations

Prof. Alessandra MAGISTRATO
(CNR-IOM, Trieste, Italy)

Challenges in Simulating Molecular Recognition Using Coarse-grain Models

Prof. Manuel MELO
(UNIVERSITY NOVA DE LISBOA, Oeiras, Portugal)

Programme

Oral Communication 2

Coffee Break, Networking & Exhibition

Session 3: Chemically Induced Proximity

Session Chair

Prof. Gonçalo BERNARDES
(UNIVERSITY OF CAMBRIDGE & IMM LISBOA, Cambridge, United Kingdom)

Oral Communication 3

Tumor Targeting

Prof. Dario NERI
(ETH ZÜRICH, Zürich, Switzerland)

Small Molecule Therapeutics Targeting Fibroblast Activation Protein in the Tumor Microenvironment

Dr Samuele CAZZAMALLI
(PHILOCHEM AG, Otelfingen, Switzerland)

Chemogenetic and Optogenetic Technologies for Probing Molecular and Cellular Networks (*Virtual Lecture*)

Prof. Alice TING
(STANFORD UNIVERSITY, Stanford, United States)

Poster Session I (Odd), Networking & Exhibition

Welcome Reception

End of the Day

Friday November 17, 2023

Ribozymes Meet RNA Modifications

(SANOFI-AVENTIS DEUTSCHLAND GMBH)
Prof. Claudia HÖBARTNER (UNIVERSITY OF WÜRZBURG, Würzburg, Germany)

Session 4: Target Engagement and Mechanism of Action Determination

Session Chair

Dr Andrew ZHANG
(ASTRAZENECA, Waltham, United States)

Title to be Announced

Dr Rachel GRIMLEY
(CANCER RESEARCH HORIZONS - THERAPEUTIC INNOVATION, Glasgow, United Kingdom)

Coffee Break, Networking & Exhibition

Title to be Announced

Dr Mikhail SAVITSKY
(EUROPEAN MOLECULAR BIOLOGY LABORATORY, Heidelberg, Germany)

Proteomics Strategies for Characterizing Degradors and E3 Ligases

Dr Meha SINGH
(ASTRAZENECA, Waltham, United States)

Oral Communication 4

Lunch, Networking & Exhibition

Session 5: Protein Conformations: Beyond the Ground State

Session Chair

Dr Wolfgang JAHNKE
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

Title to be Announced

Prof. Dorothee KERN
(BRANDEIS UNIVERSITY, Waltham, United States)

Structure and Dynamics at Multiple Time Scales to Understand the Oncogenic kRas Cycle

Prof. Andras PERCZEL
(EÖTVÖS LORÁND UNIVERSITY, Budapest, Hungary)

Title to be Announced

Prof. Martin BLACKLEDGE
(INSTITUT DE BIOLOGIE STRUCTURALE (IBS), Grenoble, France)

Oral Communication 5

Coffee Break, Networking & Exhibition

Session 6: Targeting Metabolism (ICBS Session)

Session Chair

Prof. Zaneta NIKOLOVSKA-COLESKA
(UNIVERSITY OF MICHIGAN, Ann Arbor, United States)

Influence of Metabolism on Cancer

Prof. Matthew G. VANDER HEIDEN
(MIT, Cambridge, United States)

Chemical Biology of Sterol-mediated Processes

Dr Luca LARAIA
(TECHNICAL UNIVERSITY OF DENMARK, Kgs. Lyngby, Denmark)

Oral Communication 6

Poster Session II (Even), Networking & Exhibition

End of the Day

Symposium Banquet

Saturday November 18, 2023

Epigenetic Nucleobases in our Genome

Prof. Thomas CARELL
(LUDWIG-MAXIMILIANS-UNIVERSITY, München, Germany)

Session 7: Chemical Immunology & Checkpoint Inhibitors

Session Chair

Dr Sascha HOOGENDOORN
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

Fluorescent Probes for Live-cell Imaging and Translational Studies

Prof. Marc VENDRELL
(UNIVERSITY OF EDINBURGH, Edinburgh, United Kingdom)

Coffee Break, Networking & Exhibition

Title to be Announced

Dr Kimberly BONGER
(RADBOD UNIVERSITY, Nijmegen, The Netherlands)

Chemical Immunology Tools for Synthetic Adjuvant and Vaccine Development

Dr Alberto FERNÁNDEZ-TEJADA
(CIC BIOGUNE, Derio (Bizkaia), Spain)

Oral Communication 7

Lunch, Networking & Exhibition

Session 8: New Understandings of Post-translational Protein Modifications

Session Chair

Prof. Christian A. OLSEN
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

Chemical Approaches to Studying Chromatin Regulation

Prof. Tom MUIR
(PRINCETON UNIVERSITY, Princeton, United States)

Beyond Phosphorylation – Protein Pyrophosphorylation by Inositol Pyrophosphate Messengers

Prof. Dorothea FIEDLER
(LEIBNIZ-FORSCHUNGSINSTITUT FÜR MOLEKULARE PHARMAKOLOGIE (FMP), Berlin, Germany)

Title to be Announced

Prof. Beat FIERZ
(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

Oral Communication 8

Coffee Break, Networking & Exhibition

Session 9: EFMC-WuXi AppTec Award for Excellence in Chemical Biology

Session Chair

Prof. Rui MOREIRA
(UNIVERSITY OF LISBON, Lisbon, Portugal)

Award Ceremony

EFMC-WuXi AppTec Award for Excellence in Chemical Biology Lecture: Translational Chemical Biology

Prof. Gonçalo BERNARDES
(UNIVERSITY OF CAMBRIDGE & IMM LISBOA, Cambridge, United Kingdom)

Poster Prizes Ceremony

Closing Remarks

Dr Yves P. AUBERSON
(NOVARTIS & EFMC, Basel, Switzerland)

End of the Symposium