

Confirmed Speakers

Plenary Speakers

PL02 - Ribozymes Meet RNA Modifications

(SOPLVIAS AG (WAS FUJIFILM))



Prof. Claudia HÖBARTNER
(UNIVERSITY OF WÜRZBURG, Würzburg, Germany)

PL04 - EFMC-WuXi AppTec Award for Excellence in Chemical Biology Lecture: Translational Chemical Biology



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

PL03 - The Second Dimension of the Genetic Code



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

PL01 - Moving Undruggable Discoveries into the Drug Discovery Pipeline with Chemical Biology



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

Keynote Speakers

KL01 - Chemoproteomics Approaches and their Contributions to Drug Discovery



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

KL04 - Mechanistic Insight in Drug Discovery: Past Tense of Future Direction? (*Virtual Lecture*)



Dr Rachel GRIMLEY
(CANCER RESEARCH HORIZONS (CANCER RESEARCH UK), Cambridge, United Kingdom)

KL05 - Evolution of Energy Landscapes and its Exploitation for Drug and Enzyme Design



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

KL02 - Unravelling the Molecular Mechanism of Pre-mRNA Splicing via All-atom Simulations



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

Confirmed Speakers

KL08 - Chemical Approaches to Studying Chromatin



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

KL03 - Chemogenetic and Optogenetic Technologies for Probing Molecular and Cellular Networks (*Virtual Lecture*)



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

KL06 - Understanding the Role of Metabolism in Cancer



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

KL07 - Fluorescent Amino Acids and Peptides for Translational Imaging of Infection and Inflammation in Humans



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

Invited Speakers

IL09 - NMR Provides Unique Insight into the Role of Disorder in Highly Dynamic Viral Replication Assemblies



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

IL11 - Chemoenzymatic and Metabolic Protein Labeling Strategies



Dr Kimberly BONGER
(Radboud University, Nijmegen, The Netherlands)

IL05 - Small Molecule Therapeutics Targeting Fibroblast Activation Protein in the Tumor Microenvironment



Dr Samuele CAZZAMALLI
(PHILOCHEM AG, Otelfingen, Switzerland)

IL12 - Chemical Immunology Tools for Synthetic Adjuvant and Vaccine Development



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

IL13 - Beyond Phosphorylation – Protein Pyrophosphorylation by Inositol Pyrophosphate Messengers

Confirmed Speakers



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

IL14 - Decoding PTM Signaling from Chromatin to the Cytoskeleton



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

IL02 - ABPP and its Impact on Drug Discovery - Successful Examples from the MAGL Program



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

IL01 - Towards Covalent Inhibitors Addressing Diverse Amino Acids



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

IL10 - Chemical Biology of Sterol-mediated Processes



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

IL03 - Challenges in Simulating Molecular Recognition Using Coarse-grain Models



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

IL04 - Tumor Targeting



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

IL06 - Biophysical Proteomics



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

IL07 - Proteomics Profiling of PROTACs and E3 Modulators to Identify Mechanistic Biomarkers and Substrates



Dr Meha SINGH
(ASTRAZENECA, Waltham, United States)

IL08 - Low Molecular Weight Inhibitors of IL-1?: from a 19F NMR Fragment Hit to a Cellular Proof of Concept

Confirmed Speakers



Dr Anna VULPETTI
(NOVARTIS, Basel, Switzerland)

Oral Communications

OC05 - Spatiotemporally Controlled Generation of NTPs as A Versatile Tool for Single-Molecule Studies



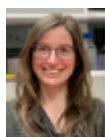
Prof. Sebastian DEINDL
(UPPSALA UNIVERSITY, Uppsala, Sweden)

OC03 - Molecular Glues for the 14-3-3 Interactome



Dr Richard DOVESTON
(UNIVERSITY OF LEICESTER, Leicester, United Kingdom)

OC06 - The Hidden Activator Within the Inhibitor: Regulated Tissue-Selective Inhibition and Activation of the Sugar Tolerance Transcription Factor ChREBP



Dr Maren HEIMHALT
(LUDWIG MAXIMILIAN UNIVERSITÄT, Planegg-Martinsried, Germany)

OC07 - Collectin-11 Antagonists in a Therapeutic Approach to Minimize Complement-Mediated Immune Injury



Dr Rachel HEVEY
(UNIVERSITY OF BASEL, Basel, Switzerland)

OC02 - Molecular Binding Studies in G Protein Coupled Receptors: Insights for Drug Discovery



Prof. Vittorio LIMONGELLI
(UNIVERSITÀ DELLA SVIZZERA ITALIANA USI, Lugano, Switzerland)

OC01 - Lessons for Covalent Drug Development from Deep Chemoproteomic Profiling of Approved Covalent Drugs



Dr Micah NIPHAKIS
(LUNDBECK, San Diego, CA, United States)

OC08 - PhotoCrot: a Precise Photo-Chemical Approach to Selectively Identify Crotonylated Proteins



Dr Rita PETRACCA
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)

OC04 - Morphological Profiling of Small Molecules Using the Cell Painting Assay

Confirmed Speakers



Dr Slava ZIEGLER
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)