

Confirmed Speakers

Keynote Speaker (Nobel Prize in Chemistry 2013)

KL01 - From Simulations of Biomolecules to Fighting Diseases



Prof. Martin KARPLUS
(UNIVERSITY OF STRASBOURG, FRANCE & HARVARD UNIVERSITY, Cambridge, United States)

Session 1: Hot Topics

OC04 - Quantitative Irreversible Tethering (QIT) for Covalent Ligand Discovery



Dr Gregory CRAVEN
(IMPERIAL COLLEGE LONDON, London, United Kingdom)

OC05 - Large Protein Conformational Changes in Pi3kgamma Linked to the Binding of a New Class of Highly Selective Inhibitors



Dr Göran DAHL
(ASTRAZENECA, Mölndal, Sweden)

OC01 - Making Off-Rate Screening in FBDD More Amenable For Fast Dissociating Compounds



Dr Menachem GUNZBURG
(MONASH UNIVERSITY, Parkville, Australia)

OC02 - Novel Active Site and Allosteric Site Binders Identified for FPPS Of T. cruzi



Ms Joy PETRICK
(NOVARTIS, Basel, Switzerland)

OC03 - Dynamic Single-Molecule Approaches to Accelerate the Development of More Efficient Drugs



Dr Gerrit SITTERS
(LUMICKS, Amsterdam, The Netherlands)

IL01 - Binding Kinetics and Thermodynamics in Drug Discovery



Dr Chaohong SUN
(ABBVIE, North Chicago, United States)

Session 2: Target Engagement

OC06 - Quantification of Target Occupancy in Cells and Tumor Tissue Using FCCS



Dr Frank BECKER
(INTANA BIOSCIENCE GMBH, Planegg, Germany)

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IL03 - How to Be Selectively Promiscuous



Prof. Jack TAUNTON
(UNIVERSITY OF CALIFORNIA, San Francisco, United States)

IL02 - Chemical Probes for Epigenetic Targets



Prof. Masoud VEDADI
(STRUCTURAL GENOMICS CONSORTIUM, Toronto, Canada)

Session 3: Cryo-EM (Special Feature of the Conference)

IL05 - Cryo-EM for Characterization and Structure Based Drug Design



Dr Bridget CARRAGHER
(NEW YORK STRUCTURAL BIOLOGY CENTER, New York, United States)

IL04 - How Low Can You Go? Size and Resolution Limits Using Conventional Cryo-EM



Dr Gabriel LANDER
(THE SCRIPPS RESEARCH INSTITUTE, San Diego, United States)

OC08 - Strength of Cryo-EM in Drug Discovery: One Could Always See Something



Dr Wen-ti LIU
(NOVALIX, Illkirch, France)

OC07 - Cryo-EM to Address Intractable Targets in Drug Discovery



Dr Hervé REMIGY
(THERMO FISHER SCIENTIFIC, Eindhoven, The Netherlands)

IL06 - Single Particle Cryo-EM Structure of the Insulin Receptor:Insulin Complex



Dr Giovanna SCAPIN
(MERCK & CO. INC (MSD), Whitehouse Station, United States)

Session 4: Membrane Proteins

IL08 - Structural Insight into Allosteric Modulation of GPCRs



Dr Miles CONGREVE
(HEPTARES, Welwyn Garden City, United Kingdom)

IL07 - New Tools Reveal Mechanisms of Allosteric Coupling in Human GPCRs

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Dr Matthew EDDY
(UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, United States)

OC10 - Crystal Structures of Human Glycine Receptor Alpha3 Bound to a Novel Class of Analgesic Potentiators



Dr Xin HUANG
(AMGEN, Cambridge, United States)

OC09 - Enabling NMR-Based Fragment Screening Using Stabilized Native GPCR: Case Study of Adenosine Receptor



Dr Anass JAWHARI
(CALIXAR, Lyon, France)

Session 5: Protein-Protein Interactions

OC11 - Use of Complementary Biophysical Methods to Characterize Ligand Binding to IL-17A



Dr Parag SAHASRABUDHE
(PFIZER, Groton, United States)

OC12 - Systematic Development of Small Molecules to Inhibit Specific Microscopic Steps of α -Synuclein Aggregation in Parkinson's Disease



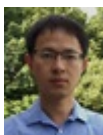
Ms Roxine STAATS
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

IL09 - Design Considerations for Synthetic Macrocycles in Drug Discovery



Prof. Adrian WHITTY
(BOSTON UNIVERSITY, Boston, United States)

IL10 - Design of the First-in-Class, Highly Potent Irreversible Inhibitor Targeting the Menin-MLL Protein-Protein Interaction



Dr Shilin XU
(UNIVERSITY OF MICHIGAN, Michigan, United States)

Session 6: Biotherapeutics

IL13 - Emerging Higher Order Structure Techniques in Biotherapeutics Development



Dr Tapan K. DAS
(BRISTOL-MYERS SQUIBB, New York, United States)

IL12 - Multi-Specific Designer Proteins for Tumor Therapeutics

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Dr Karyn T. O'NEIL
(AR? BIOTHERAPEUTICS, Philadelphia, United States)

IL11 - Attacking the Cancer Cell Surface-ome with Recombinant Antibodies



Prof. Jim WELLS
(UCSF, San Francisco, United States)