

Programme

Wednesday June 13, 2018

Registration

Welcome Address

Session 1: Hot Topics

Session Chair

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

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)

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)

IL01 - Binding Kinetics and Thermodynamics in Drug Discovery

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

Coffee Break

Session 2 : Target Engagement

Session Chair

Dr Daniel WYSS
(MERCK & CO., INC., Morristown, United States)

IL02 - Chemical Probes for Epigenetic Targets

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

Programme

Exhibitor Short Presentation: Bruker

Development and Proof-of-Concept of a New Flow-through System for High Resolution NMR to Evaluate Biologics-producing Cell Lines and Their Growth Environments

Dr Jason S. WOOD
(BRUKER BIOSPIN, Billerica, United States)

Exhibitor Short Presentation: Creoptix

The Wave of the Future in Kinetics

Dr Matyas VEGH
(CREOPTIX AG, Wädenswil, Switzerland)

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

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

IL03 - How to Be Selectively Promiscuous

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

Keynote Lecture

Session Chair

Dr Daniel WYSS
(MERCK & CO., INC., Morristown, United States)

KL01 - From Simulations of Biomolecules to Fighting Diseases

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

Welcome Reception

End of the Day

Programme

Thursday June 14, 2018

Registration

Session 3 : Cryo-EM

Session Chair

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)

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

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

Coffee Break

Session 3 (continued) : Cryo-EM

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

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

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

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

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

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

Poster Session

Lunch & Networking

Session 4 : Membrane Proteins

Session Chair

Dr Dan ERLANSON
(CARMOT THERAPEUTICS, South San Francisco, United States)

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

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

Programme

Exhibitor Short Presentation: Pall ForteBio

Dissecting Biomolecular Interactions - Pall ForteBio's Next Gen SPR and BLI Label-Free Platforms: Providing Faster and Easier Solutions to Your Emerging Applications

Mr Bob DASS

(PALL FORTEBIO, Menlo Park, United States)

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

Dr Anass JAWHARI

(CALIXAR, Lyon, France)

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

Dr Xin HUANG

(AMGEN, Cambridge, United States)

IL08 - Structural Insight into Allosteric Modulation of GPCRs

Dr Miles CONGREVE

(HEPTARES, Welwyn Garden City, United Kingdom)

Coffee Break

Session 5 : Protein-Protein Interactions

Session Chair

Dr MariJean EGGEN

(ELI LILLY, Indianapolis, United States)

IL09 - Design Considerations for Synthetic Macrocycles in Drug Discovery

Prof. Adrian WHITTY

(BOSTON UNIVERSITY, Boston, United States)

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)

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)

Posters & Drinks

End of the Day

Conference Dinner

Programme

Friday June 15, 2018

Registration

Session 6 : Biotherapeutics

Session Chair

Dr Jim BRYSON
(BRISTOL-MYERS-SQUIBB, Princeton, United States)

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

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

**Exhibitor Short Presentation: Sierra Sensors
Controlling Throughput for SPR**

Dr Christopher WHALEN
(SIERRA SENSORS, Greenville, United States)

IL12 - Multi-Specific Designer Proteins for Tumor Therapeutics

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

Coffee Break

Session 6 (continued) : Biotherapeutics

**Exhibitor Short Presentation: WuXi AppTec
Crelux – A Fully Integrated Offering, from Protein to Screen, Through Crystallography Confirmation and Beyond.**

Dr Thomas WALDMANN
(CRELUX, A WUXI APPTEC COMPANY, Martinsried, Germany)

IL13 - Emerging Higher Order Structure Techniques in Biotherapeutics Development

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

Poster Prizes and Closing Remarks

Farewell Lunch & Networking

End of the Conference