

PROGRAMME

Day 1: Sunday, November 3rd, 2013

15:00 - 19:00	Registration (Reception desk Hotel Astoria Lucerne)
19:00 - 21:00	Opening reception and dinner (Penthouse bar, Hotel Astoria Lucerne) <i>Sponsored by DECTRIS Ltd.</i>

Day 2: Monday, November 4th, 2013

08:45 - 08:55	Welcome by Dr. Oliver Bunk, Head of Laboratory for Macromolecules and Bioimaging at Swiss Light Source, Paul Scherrer Institute
09:00 - 10:30	Session I : Crystals Chair: Paul Rowland (GlaxoSmithKline)
09:00 - 09:35	Allan D'Arcy (Crystallisation Consultant, Actelion Pharmaceuticals Ltd.) <i>Crystallizing Proteins for Drug Discovery Then and Now</i>
09:35 - 10:10	Martin Caffrey (University of Dublin) <i>Multifarious roles for the lipidic mesophase in structure-function studies of integral membrane proteins</i>
10:10 - 10:30	Joao Dias (Heptares) <i>Finding a treatment for Alzheimer's disease. Solving the structure of the muscarinic M1 receptor and its impact in SBDD</i>
10:30 - 10:55	Znüni Break and Exhibition
11:00 - 12:40	Session II : New Targets and Case Stories Chair: Neera Borkakoti (Medivir)
11:00 - 11:20	Andrea Prota (Paul Scherrer Institute) <i>Molecular mechanism of action of microtubule targeting agents</i>
11:20 - 11:40	Yafeng Xue (AstraZeneca) <i>X-ray structural analysis of Tau-Tubulin Kinase 1 and its interactions with small molecular inhibitors</i>
11:40 - 12:00	Tom Ceska (UCB) <i>The structure of a receptor in the wnt signalling pathway and implications for drug design</i>
12:00 - 12:20	Herman Schreuder (Sanofi) <i>The TAFI project: converting a natural lead into a potent small molecule</i>
12:20 - 12:40	Stefan Hörer (Boehringer Ingelheim GmbH) <i>Epitope mapping of two anti-IL-1β antibodies by NMR and X-ray</i>
12:40 - 13:55	Lunch (Penthouse bar)

14:00 - 15:30	Session III: Exhibitors Presentations Chair: Meitian Wang (Paul Scherrer Institute)
14:00 - 14:10	Vernon Smith (Bruker AXS)
14:10 - 14:20	Peter Worsch (Anton Paar GmbH)
14:20 - 14:30	Tadeusz Skarzynski (Agilent Technologies)
14:30 - 14:40	Ute Boronowsky (Cube Biotech GmbH)
14:40 - 14:50	Nabanita De (Microlytic North America)
14:50 - 15:00	Gregory Warren (Openeye)
15:00 - 15:10	Marcus Müller (DECTRIS Ltd.)
15:10 - 15:20	Joseph Ferrara (Rigaku Americans Corporation)
15:30 - 15:55	Zvieri Break and Exhibition
16:00 - 17:45	Session IV: Crystallography Methods Chair: Joachim Diez (Expose GmbH)
16:00 - 16:35	Kay Diederichs (University of Constance) <i>Linking crystallographic model and data quality: theory and applications</i>
16:35 - 17:10	Gérard Bricogne (Global Phasing Ltd.) <i>Taming the Power of Novel Instrumentation through Optimal MX Data Collection Protocols: Perspectives and Opportunities</i>
17:10 - 17:45	Armin Ruf (F. Hoffmann-La Roche AG) <i>Atomic Resolution for Drug Discovery</i>
19:00	Conference dinner (Casino Lucerne)

Day 3: Tuesday, November 5th, 2013

09:00 - 10:40	Session V : Automation I Chair: Sandra Jacob (Novartis)
09:00 - 09:20	Jose Marquez (EMBL Grenoble) <i>CrystalDirect, a novel approach for automated crystal harvesting and cryocooling</i>
09:20 - 09:40	May Marsh (Paul Scherrer Institute) <i>in situ X-ray diffraction screening at SLS</i>
09:40 - 10:00	Jean-Luc Ferrer (Institut de Biologie Structurale, Grenoble) <i>From automated sample handling to robot based goniometer: few steps towards a fully robotized pipeline for protein crystallography</i>
10:00 - 10:20	Kumar Singh Saikatendu (Takeda California) <i>Evolution of automated high throughput Protein Crystallography pipeline for structure based drug discovery</i>
10:20 - 10:40	Guillaume Pompidor (EMBL c/o DESY) <i>EMBL Beamlines for Structural Biology at PETRA III</i>
10:40 - 11:05	Znüni Break and Exhibition
11:10 - 12:30	Session VI : Automation + Discussion Chair: Dave Brown (Argenta Discovery 2009 Ltd.)
11:10 - 11:30	Frank von Delft (Diamond Light Source) <i>X-ray fragment screening at Diamond</i>
11:30 - 11:50	Dirk Reinert (Boehringer Ingelheim GmbH) <i>"Quite some throughput" crystallography at Boehringer Ingelheim or: How much automation do we need?</i>

11:50 - 12:10	Markus Krömer (Novartis) <i>Workflow Automation and Data Management - a Win-Win Situation</i>
12:10 - 12:30	Discussion on automation Chair: Dave Brown (Argenta Discovery 2009 Ltd.)
12:30 - 13:55	Lunch (room 1)
14:00 - 16:00	Session VII: Complementary methods Chair: Matthias Frech (Merck KGaA)
14:00 - 14:20	Ulrich Schieborr (Frankfurt University) <i>MOTOR: Model assisted Software for NMR Structure Determination</i>
14:20 - 14:40	Andreas Lingel (Novartis) <i>Implementation of novel tools to facilitate fragment-based drug discovery by NMR: 19F methods and automated analysis of large sets of ligand-observed NMR binding data</i>
14:40 - 15:00	Jon Read (AstraZeneca) <i>Relating Molecular Mechanism of Inhibition to Cellular Activity in InhA, a Clinically Validated Tuberculosis target</i>
15:00 - 15:20	Don Somers (GlaxoSmithKline) <i>Design of ITK Inhibitors for the treatment of T-cell mediated diseases</i>
15:20 - 15:40	Marc Ruff (Institut de Génétique et Biologie Moléculaire et Cellulaire, Strasbourg) <i>Structural studies of the HIV-1 preintegration complex – Integrase/LEDGF interaction inhibitors</i>
15:40 - 16:00	Michel Terray (Malvern Instruments) <i>Advances in the Integrated Measurements of Higher Order Protein Structure and Size</i>
16:00 - 16:30	Zvieri Break
16:30 - 18:00	Optional visit of Lucerne
19:00	Dinner (Restaurant la Cucina, Hotel Astoria)

Day 4: Wednesday, November 6th, 2013

08:15	Coach departure for optional visit to Paul Scherrer Institute
09:45 - 10:00	Znüni Break
10:00 - 10:15	Stefan Müller, SYN Science Coordinator, CEO SLS Techno Trans AG <i>Welcome and Introduction</i>
10:15 - 10:30	Meitian Wang, Macromolecular Crystallography Group Leader <i>Current status of SLS MX beamlines</i>
10:30 - 10:45	Gebhard Schertler, Head of BIO Department <i>Current status of SwissFEL</i>
10:45	Tour of facilities SLS MX beamlines (X06SA, X10SA, X06DA) and SwissFEL test injector
12:30	Lunch (SLS entrance)
14:00	Coach departure to Brugg train station and Zurich Airport