

# NovAliX Conference 2013

## Biophysics in Drug Discovery

### Confirmed Speakers

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##### **KN01 - Biophysical Methods and Fragment Based Drug Discovery: Targeting Protein-Protein Interactions in Cell Regulatory Systems**



Prof. Sir Tom BLUNDELL  
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

##### **PL04 - Protein Methyltransferase Inhibitors as Personalised Cancer Therapeutics: DOT1L and EPZ-5676**

Dr Ann BORIACK-SJODIN  
(EPIZYME, Cambridge, United States)

##### **PL08 - Backscattering Interferometry: An Enabling Drug Development Technology**



Dr Darryl BORNHOP  
(VANDERBILT UNIVERSITY, Nashville, United States)

##### **KN03 - Combining X-Ray Crystallography and Single-Molecule Methods to Probe Antibiotic Inhibition of Translation**



Prof. Jamie CATE  
(UNIVERSITY OF CALIFORNIA, Berkeley, United States)

##### **PL02 - Enabling GPCR Drug Discovery Through Structural and Biophysical Insights**



Dr Rob COOKE  
(HEPTARES, Hertfordshire, United Kingdom)

##### **PL10 - Application of SPR Biosensors Throughout the Drug Discovery Process**



Prof. Helena DANIELSON  
(UPPSALA UNIVERSITY, Uppsala, Sweden)

##### **PL07 - Label-Free, Immobilisation-Free Interaction Studies Using Microscale Thermophoresis**



Dr Stefan DUHR  
(NANOTEMPER, Munich, Germany)

##### **PL03 - Biophysics to Drive Lead Discovery**



Dr Matthias FRECH  
(MERCK, Darmstadt, Germany)

##### **PL01 - Binding of Drug Substances to Molecular Targets Investigated by Biophysical Methods**



Dr Michael HENNIG  
(F. HOFFMANN-LA ROCHE LTD., Villigen, Switzerland)

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#### PL06 - Can we Use Kinetics and Thermodynamics to Guide Drug Discovery?



Dr Geoff HOLDGATE  
(ASTRAZENECA, Macclesfield, United Kingdom)

#### PL09 - Towards Personalised Cancer Medicine with New NMR Tools to Probe Small GTPase Proteins



Dr Chris MARSHALL  
(UNIVERSITY OF TORONTO, Toronto, Canada)

#### PL11 - Finding Active Ligands to kRAS Using Solution State NMR



Dr Till MAURER  
(GENENTECH, South San Francisco, United States)

#### PL12 - Biophysics in Pharmaceutical Lead Discovery



Dr Johannes OTTL  
(NOVARTIS INSTITUTE OF BIOMEDICAL RESEARCH, Basel, Switzerland)

#### KN02 - Molecular Mechanism of Action (MMOA) in Drug Discovery



Dr David SWINNEY  
(IRND3, Mountain View, United States)

#### PL05 - Investing in Knowledge: Combining Biophysical Data in Fragment-Based Drug Discovery



Dr Glyn WILLIAMS  
(ASTEX PHARMACEUTICALS, Cambridge, United Kingdom)

### Oral Communications

#### OC09 - Identification and Validation of Small Molecule Inhibitors of G Protein Beta 1 Gamma 2

Dr Preeti BAKRANIA  
(MRC TECHNOLOGY, London, United Kingdom)

#### OC01 - Biophysical Investigations of the Synergistic Activities of Antimicrobial Peptides: New Strategies to Fight Multiresistance

Prof. Burkhard BECHINGER  
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

#### OC05 - Bringing Light into Antibody Binding Characteristics in Crude Extracts by Means of FCCS

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

#### OC04 - Pharmacokinetics and the Drug-Target Residence Time Concept

Dr Göran DAHL  
(ASTRAZENECA, Mölndal, Sweden)

#### OC02 - X-Ray Crystallography, Kinetic Target-Guided Synthesis and NMR to Unravel the Mode of Action of Insulin Degrading Enzyme Modulators

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Prof. Rebecca DEPREZ-POULAIN  
(UNIVERSITY OF LILLE, Lille, France)

#### **OC07 - Binding Rate Constants Measured on Microliter Volume Using On-Chip Temperature Modulation and Fluorescence Lock-In Detection**

Dr Charlie GOSSE  
(CNRS, Marcoussis, France)

#### **OC03 - Residence and Recognition Time and their Use for Structure Kinetic Relationships and for Judging Efficacy of Lead Series**

Dr Markku HÄMÄLÄINEN  
(GE HEALTHCARE BIO-SCIENCES, Uppsala, Sweden)

#### **OC10 - Fragments at UCB: Implementation of Non-Covalent Mass Spectrometry and <sup>19</sup>F NMR as Orthogonal Screening Techniques**

Dr Hannah MAPLE  
(UCB, Slough, United Kingdom)

#### **OC06 - Detection and Analysis of Proteins with an Electro-Switchable DNA Chip**

Dr Ralf STRASSER  
(DYNAMIC BIOSENSORS GMBH, Martinsried, Germany)

#### **OC08 - CRYO-TEM: The Way to Answer Real Biological Questions through Unraveling the 3D Mechanistics of Protein**

Dr Thomas WOHLFARTH  
(FEI, Eindhoven/Acht, The Netherlands)