

MST Drug Discovery Forum

Program

Sunday February 9, 2014

14:00 **Registration**

14:30 **Sightseeing tour to Kloster Ettal**
(including liquor tasting, visit of the famous church, dinner with typical Bavarian dishes)

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Monday February 10, 2014

11:00 **Registration and welcome coffee**

13:30 **Opening remarks**

Speakers' presentations

14:00 **MicroScale Thermophoresis in Modern Drug Discovery Process**

Dr Alexey RAK
(SANOFI AVENTIS, Vitry-sur-Seine, France)

14:30 **Eighty Targets in Four Years - Integrating MST in an Industrial Setting**

Dr Ismail MOAREFI
(CRELUX GMBH, Martinsried, Germany)

15:00 **Fast and Quantitative Analysis of Aptamer-target Interactions Using MicroScale Thermophoresis**

Dr Thomas SCHUBERT
(2BIND, Regensburg, Germany)

15:30 **Coffee break**

Future Application Session

16:00 **MicroScale Thermophoresis: Interaction Analysis and Beyond**

Dr Dennis BREITSPRECHER
(NANOTEMPER TECHNOLOGIES GMBH, Muenchen, Germany)

16:30 **Towards Novel Antivirals for Human Hepatitis B Virus Infections**

Dr Neil FERGUSON
(UNIVERSITY COLLEGE DUBLIN, Dublin, Ireland)

17:00 **The Heat of the Moment: Using MST to Access Binding Thermodynamics**

Dr Geoff HOLDGATE
(ASTRAZENECA, Macclesfield, United Kingdom)

17:30 **Poster session & informal get-together**

19:00 **Conference dinner**

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Tuesday February 11, 2014

Fragment Screening Session

08:30 The Use of Virtual Screening and DSF for the Rapid Identification of Fragments Active Against MEK1
Dr Alexey RAK
(SANOFI AVENTIS, Vitry-sur-Seine, France)

08:50 Case Study on Automated Fragment Screening
Dr Dennis BREITSPRECHER
(NANOTEMPER TECHNOLOGIES GMBH, Muenchen, Germany)

09:20 Practical Demonstration and Handling of the NT.Automated

10:00 Coffee break

Speakers' presentations

10:30 Biophysical Methods in Drug Discovery: How MST Fits in UCB's Toolbox ?
Dr Nicolas BASSE
(UCB CELLTECH, Slough, United Kingdom)

11:00 Chemical Tractability Assessments with Encoded Library Technology; Probing 82 Bacterial Targets with a 2 Trillion Member DNA Encoded Library
Dr Carl MACHUTTA
(GLAXOSMITHKLINE, Collegeville, United States)

11:30 Protein Interaction Analyses: a Basis to Understand Essential Biological Reactions, Infection and Disease Mechanisms
Prof. Dr Peter F. ZIPFEL
(FRIEDRICH SCHILLER UNIVERSITY, Jena, Germany)

12:00 Lunch

13:30 MST Forum Discussion (moderated discussion)

15:00 Coffee break

Speakers' presentations

15:30 Application of MicroScale Thermophoresis in Hit Identification and Validation
Dr Markus ZEEB
(BOEHRINGER-INGELHEIM PHARMA, Biberach an der Riß, Germany)

16:00 Biophysical Analysis on Membrane Protein Targeting and Assembly
Dr Alexej KEDROV
(GENE CENTER MUNICH, Munich, Germany)

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16:30 Using MicroScale Thermophoresis to Evaluate UHTS Hits

Mr Edward DINUNZIO
(MERCK, New Jersey, United States)

Selected oral presentations

17:00 Structural Basis of SUFU-GLI Interaction in Human Hedgehog Signaling Regulation

Dr Katharina GEGENSCHATZ-SCHMID
(KAROLINSKA INSTITUTET, Huddinge, Sweden)

17:30 Concluding remarks

(Please note that this program still might change)