

switchSENSE®
User Meeting: interACT!

PROGRAM

June 06 - 08, 2018 | Munich



Event Location

DESIGN OFFICES MÜNCHEN ARNULFPARK
Luise-Ullrich-Straße 20 | D-80636 Munich | +49 (0)89 / 55 06 280

Dynamic Biosensors GmbH

Lochhamer Strasse 15 | D-82152 Martinsried/Planegg | +49 (0)89 / 8974 544-0

Organizational Contact

Katharina Lang, Sandra Ammersdörfer
events@dynamic-biosensors.com | +49 (0)89 / 8974 544-20

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www.dynamic-biosensors.com/user-meeting/

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PROGRAM

Wednesday, June 6th | DESIGN OFFICES MÜNCHEN, TRAINING ROOM II

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|-------|--|-------|---|
| 12:30 | Welcome & Registration | 15:45 | New biophysical approaches to study IRES / ribosome interactions
<i>Eric Ennifar, IBMC, FR</i> |
| 13:15 | Opening Remarks
<i>Ulrich Rant, Dynamic Biosensors, DE</i> | 16:15 | Analysis of protein conformations with switchSENSE®
<i>Friederike Möller, Dynamic Biosensors, DE</i> |
| 13:30 | Introduction to switchSENSE® measurement modes
<i>Ulrich Rant, Dynamic Biosensors, DE</i> | 16:45 | switchSENSE® technology to study a DNA binding transcriptional regulator and the effect of its ligand
<i>Jean-Michel Girardet, Université de Lorraine, FR</i> |
| 14:00 | Bioorthogonal labelling of DNA
<i>Hans-Achim Wagenknecht, KIT, DE</i> | 17:15 | newSENSE – next generation of innovative products
<i>Ralf Strasser, Dynamic Biosensors, DE</i> |
| 14:30 | switchSENSE® applications at Roche Diagnostics CPS
<i>Michael Schräml, Roche Diagnostics GmbH, DE</i> | 19:00 | <i>Networking Event at Augustiner-Keller / Beergarden Arnulfstrasse 52, 80335 München</i> |
| 15:00 | <i>Coffee Break</i> | | |
| 15:30 | quickSENSE – a 10 min guide on HOW TO ANALYZE BINDING KINETICS
<i>Thomas Welte, Dynamic Biosensors, DE</i> | | |

PROGRAM

Thursday, June 7th | DESIGN OFFICES MÜNCHEN, TRAINING ROOM II

- 08:00** Coffee & Registration
- 08:30** quickSENSE – a 10 min guide on **HOW TO IMMOBILIZE LIGANDS ON A CHIP**
Ralf Strasser, Dynamic Biosensors, DE
- 08:45** Affinities of mono and bispecific antibodies to their ligands – separately and in combination
Anke Flechner, Glycotope GmbH, DE
- 09:15** Defining DNA sequence-selectivity profiles of artificial gene regulatory agents
Glenn Burley, University of Strathclyde, UK
- 09:45** CaptureSelect™ affinity ligands as capture reagents in label free detection systems
Pim Hermans, Thermo Fisher Scientific, NL
- 10:15 Coffee Break
- 10:45** quickSENSE – a 10 min guide on **HOW TO PRECISELY ADJUST LIGAND DENSITIES ON A switchSENSE® CHIP**
Judicaël Parisot, Dynamic Biosensors, DE
- 11:00** RNA-binding reinforcement by non-ordered polypeptides
James Stowell, MRC Laboratory of Molecular Biology, UK
- 11:30** Avidity kills cancer – analysis of antibody binding modes with switchSENSE®
Joanna Deek, Dynamic Biosensors, US
- 12:00** Molecular interaction to detect viruses – an approach to probe oligo-valency using switchSENSE® technology
Frank Bier, Fraunhofer IZI-BB, DE
- 12:30 Lunch
- 13:30** quickSENSE – a 10 min guide on **HOW TO MEASURE FAST KINETICS**
Herwin Daub, Dynamic Biosensors, DE
- 13:45** Protein-Protein and Protein-DNA interactions by switchSENSE®: Comparison with other technologies
Paloma Fernandez-Varela, I2BC - Univ. Paris-Saclay, FR
- 14:15** Applying switchSENSE® technology to impact pre-clinical drug discovery projects
Lena Kilian, Merck KGaA, DE
- 14:45** Role of the dynamic linker of U2AF65 in 3' splice site recognition
Hyun-Seo Kang, Technische Universität München, DE
- 15:15 Coffee Break
- 15:45** quickSENSE – a 10 min guide on **HOW TO SIZE PROTEINS WITH switchSENSE®**
Wolfgang Kaiser, Dynamic Biosensors, DE
- 16:00** Biophysical analysis of FcRn - antibody interactions
Tilman Schlothauer, Roche pRED, DE
- 16:30** switchSENSE® as a tool for biomolecular interaction characterization in drug discovery
Amandine Gontier, CEA Saclay, Sanofi Vitry-Sur-Seine, FR
- 17:00** smartSENSE – Tips and tricks in switchSENSE® assay development
Thomas Weber, Felix Kröner, Dynamic Biosensors, DE
- 18:30 MEAT US – Lab Tour & BBQ at Dynamic Biosensors, Lochhamer Str. 15, 82152 Martinsried / Planegg

Friday, June 8th | DESIGN OFFICES MÜNCHEN, TRAINING ROOM III

- 08:00** Coffee & Registration
- 08:30** quickSENSE – a 10 min guide on **HOW TO RUN MELTING EXPERIMENTS WITH switchSENSE®**
Bastian Groitl, Dynamic Biosensors, DE
- 08:45** How thermodynamic, kinetic, and structural information help to optimize drug candidates
Gerhard Klebe, Philipps Universität Marburg, DE
- 09:15** Characterisation of D-enantiomeric peptide ligands of polyQ with therapeutic potential for polyglutamine misfolding diseases
Pauline Kolkwitz, Forschungszentrum Jülich GmbH, DE
- 09:45** A novel DNA nanostructure to investigate small molecule - protein interactions
Emeline Barbet-Massin, Dynamic Biosensors, DE
- 10:15 Coffee Break
- 10:45** quickSENSE – a 10 min guide on **HOW TO ANALYZE DNA ELONGATION AND CUTTING**
Nena Matscheko, Dynamic Biosensors, DE
- 11:00** Chemical manipulation of bacterial pathogenesis: Mechanism and inhibition of caseinolytic protease P
Markus Lakemeyer, Technische Universität München, DE
- 11:30** An approach for insulin quantification – is the switchSENSE® technology a suitable alternative to surface plasmon resonance based methods?
Frank Maigler, Hochschule Biberach, University of Applied Sciences, DE
- 12:00** Concluding Remarks & End of Meeting
- 14:00** Optional LAB COURSE: Do it yourself!
Hands-on switchSENSE® experiments with DRX and DRX² instruments, assisted by DBS scientists. Samples are provided by Dynamic Biosensors.

