



Day 1 (Monday, March 18th, 2019)

**New Label-free Enabling Technologies in Pharmaceutical R&D: rapifleX MALDI
PharmaPulse for High-Throughput Screening, Surface Plasmon Resonance for
Compound Profiling and NMR for Fragment Based Screening**

Moderators: **Dr. Meike Hamester**, Bruker, Bremen, Germany; **Dr. Sandra Schulz**, CeMOS, Mannheim,
Germany

10:00 – 10:30 **Arrival & Registration**

Chair: **Dr. Meike Hamester**

10:30 – 10:45 **Prof. Dr. Mathias Hafner**, VP Research and Technology Transfer, Mannheim
Technical University: Welcome

10:45 – 11:00 **Prof. Dr. Carsten Hopf**, CeMOS, Mannheim, Germany:
Welcome, Introduction of the M²Aind innovation partnership “multimodal
analytics and intelligent sensorics for the health industry” and the Mannheim
Center of Excellence

11:00 – 11:30 **Dr. Katrin Beeman**, Merck, Darmstadt, Germany:
MALDI HTS at MERCK Darmstadt

11:30 – 13:00 **Lunch (Finger food)**, optional tour of the MS lab at Mannheim Technical
University

13:00 – 13:30 **David Weigt**, CeMOS, Mannheim, Germany:
MALDI TOF mass spectrometry for automated phenotypic and mechanistic
cell-based assays

Chair: **Dr. Sandra Schulz**

13:30 – 14:00 **Dr. Carl Haslam**, GSK, Stevenage, UK:
rapifleX MPP at GSK Stevenage

14:00 – 14:30 **Prof. Dr. Matthias Trost**, Newcastle University, UK:
High-throughput MALDI TOF mass spectrometry in drug discovery



- 14:30 – 14:50 **Dr. Fabrice Moriaud**, Bruker BioSpin, Zurich, Switzerland
Fragment based screening by NMR
- 14:50 – 15:05 **Sven Malik**, Bruker Daltonics SPR, Hamburg, Germany:
Sierra SPR-32 – The all-around allrounder
- 15:05 – 15:35 **Cyrill Brunner**, Computer-assisted drug design, ETH Zurich, Switzerland:
What Surface Plasmon Resonance Spectroscopy (SPR) can do for YOU?
- 15:35 – 16:00 **Coffee break**
- Moderator & Chair: **Dr. Jens Fuchser**, Bruker, Bremen, Germany
- 16:00 - 16:45 **Keynote Talk**
Prof. Dr. Susumu Uchiyama, Osaka University, Japan:
Interactions analysis between therapeutic antibodies and antigen in physiological conditions
- 16:45 – 17:15 **Dr. Meike Hamester** and **Sven Malik**: questions from the audience and wrap-up of Day 1
- 17:15 - 17:45 **Coffee break**