



eXceed Event: European Pharma Days

Sharing user stories

Bruker Life Sciences Mass Spectrometry

Agenda

Pharma Days 2024

Day 1: Tuesday, April 23, 2024

- 10:30** **Registration open**
- 11:00 - 11:20** **Opening**
Prof. Angelika Altmann-Dieses, Ph.D., President, Mannheim University of Applied Sciences, Mannheim, Germany
Christian Albers, Ph.D., Business Development Manager, Pharmaceutical Markets, DACH/Nordics, Bruker Daltonics, Bremen, Germany
- 11:20 - 11:45** **Top-down mass spectrometry/ion mobility spectrometry for intact protein structure/function studies**
Prof. Ole Nørregard Jensen, Ph.D., Department of Biochemistry and Molecular Biology, Biomedical Mass Spectrometry and System Biology, University of Southern Denmark, Odense, Denmark
- 11:45 - 12:10** **A region-resolved proteomic map of the human brain enabled by high-throughput proteomics**
Johanna Tüshaus, Ph.D., Chair of Proteomics and Bioanalytics; Postdoc Kuster lab, Technical University of Munich, Freising, Germany
- 12:10 - 12:35** **Multimodal In-depth spatial lipid profiling via vibrational spectroscopy and MALDI Imaging**
Lars Gruber, Master of Science, Center for Mass Spectrometry and Optical Spectroscopy (CeMOS), Mannheim, Germany
- 12:35 - 14:05** **Lunch Break**
- 14:05 - 14:30** **High Throughput Single Cell Metabolomics**
Shawn Owens, Ph.D., Imaging Mass Spectrometrist, SpaceM: A startup out of the BioInnovation Institute and EMBL, Copenhagen, Denmark
- 14:30 - 14:55** **In-depth exploration of on- and off-target effects of PROTACs**
Katrin Stavenhagen, Ph.D., Associate Principal Scientist, AstraZeneca, Gothenburg, Sweden
- 14:55 - 15:20** **Insight into protein interaction and dynamics through HDX-MS**
Dmitry Loginov, Ph.D., Laboratory of structural biology and cell signalling, BioCeV-IMIC, Prague, Czech Republic



- 15:20 - 16:00** **Coffee Break**
- 16:00 - 16:25** **Metabolomics in drug discovery**
Karin Meier, Ph.D., Post Doctorate Scientist in Infectious Disease Research, Roche Pharma Research and Early Development, F. Hoffmann-La Roche Ltd., Zurich, Switzerland
- 16:25 - 16:50** **DEPC based CL-MS: a simple technique to elucidate site-specific structural changes along with disulfide scrambling in monoclonal antibody**
Manasi Gaikwad, Ph.D., Center for Mass Spectrometry and Optical Spectroscopy (CeMOS), Mannheim, Germany
- 16:50 - 17:30** **Roundtable discussion**
- 17:30 - 18:30** **Networking**

Day 2: Wednesday, April 24, 2024

- 9:00 - 9:25** **Advances in spatial mass spectrometry enable in-depth neuropharmacodynamics**
Prof. Per Andren, Ph.D., Platform Scientific Director, Spatial Mass Spectrometry, Science for Life Laboratory, Uppsala University, Uppsala, Sweden
- 9:25 - 9:50** **Unbiased validation of degrader drug targets by high-sensitivity slice-PASEF mediated global ubiquitinomics**
Uli Ohmayer, Ph.D., Head of Mass Spectrometry, NEOsphere Biotechnologies, Planegg, Germany
- 9:50 - 10:15** **Ultrasensitive Ligandomics**
Joseph Ndicka, Ph.D., Senior Scientist, Antigen Analytics, Valo Tx, Helsinki, Finland
- 10:15 - 10:55** **Coffee Break**
- 10:55 - 11:20** **Multimodal metabolomics of SARS-CoV-2 infection identifies antiviral nucleosides in serum and urine and uncovers an impaired NAD⁺ pathway and SIRT1 activation**
Christoph Trautwein, Ph.D., Core Facility Metabolomics, Medical Faculty University of Tübingen, Germany
- 11:20 - 11:45** **Expanding the MAPPs Assay to survey the MHC-II-DR, -DP and -DQ Receptors for Improved Predictability of Potential T Cell Epitopes**
Axel Ducret, Ph.D., Expert Scientist, Pharmaceutical Sciences - Investigative and Immunosafety Roche Pharma Research and Early Development, F. Hoffmann-La Roche Ltd., Basel, Switzerland
- 11:45 - 12:10** **Mass Spectrometry Imaging integration within spatial biology: A Pharmaceutical perspective**
Gregory Hamm, Ph.D., Director Integrated Imaging Sciences, Imaging & Data Analytics, AstraZeneca, Cambridge, UK
- 12:10 - 13:40** **Lunch Break**
- 13:40 - 14:05** **Proteomics in Target Discovery**
Nico Zinn, Ph.D., Associate Director – Omics Sciences, Cellzome a GSK Company, Heidelberg, Germany
- 14:05 - 14:30** **How to explore small molecules in small samples – a spheroid case study**
Stefania Alexandra Iakab, Ph.D., Center for Mass Spectrometry and Optical Spectroscopy (CeMOS), Mannheim, Germany
- 14:30 - 14:45** **Wrap-Up**

We would be pleased to welcome you! Please register [here](#)