

Conference on Biomolecule Analysis

Registration & Accommodation

REGISTRATION

Please register online under
<https://campus.uni-muenster.de/cu-proteomics/konferenz-2017/>

Registration fee:

Regular: 25 € / Students: 10 €

On-site:

Regular: 30 € / Students: 12 €

VENUES

Biomedical Mass Spectrometry
 Institute of Hygiene
 Robert-Koch-Straße 51
 48149 Münster



Max-Planck-Institute
 for Molecular Biomedicine
 Röntgenstraße 20
 48149 Münster



ACCOMMODATION

Münster Tourist Information
 Tel: +49 (0) 251 / 492 2710
 Fax: +49 (0) 251 / 492 7743
<http://www.muenster.de/tourismus>

CONFERENCE OFFICE & ORGANISATION

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Münster Conference on Biomolecule Analysis

November 29 - 30, 2017

Core Unit Proteomics
 Interdisciplinary Centre for Clinical Research
 (IZKF) Münster



medizinische
 fakultät
Westfälische
 Wilhelms-Universität Münster



Conference on Biomolecule Analysis

Welcome Address

The Münster Conference on Biomolecule Analysis will be held from 29 - 30 November 2017 at the Institute of Hygiene and Max-Planck Institute for Molecular Biomedicine in Münster. The conference will be hosted by the Interdisciplinary Centre for Clinical Research (IZKF) Münster.

This year's conference will focus on imaging using MALDI mass spectrometry. An entire afternoon (Nov 29) will be dedicated to showcase such experiments in a workshop organized by Prof. Klaus Dreisewerd's team and Waters Corporation at the Institute of Hygiene.

The keynote lecture will be delivered by Prof. Dr. Ron Heeren, Maastricht MultiModal Molecular Imaging Institute (M4I). In addition, eminent speakers including Professors Matthias Wilm, University College Dublin and Peter James, Lund University, and other experts who have influenced proteomics research on many fronts will hold talks. Other leading manufacturers in the field of MALDI imaging instrumentation and protein analysis - Bruker, PALL FortéBio, SCI LS and SERVA Electrophoresis will further illustrate the current state-of-the-art in talks and hands-on-workshops.

We look forward to welcoming you in Münster to two days of stimulating discussions with fellow academicians and industrial partners.

This conference is sponsored by Bruker, FortéBio, Waters GmbH, and SERVA Electrophoresis.



Program

Wednesday, 29 November

	WORKSHOP I Venue: Seminar Room Core Unit Proteomics Workshop Registration
10:30	
11:00 - 12:00	Stefan Scory PALL FortéBio Biolayer Interferometry (BLI) – a label-free, biosensor-based technology to monitor molecular interactions and signal transduction in living cells
12:00	LUNCH BREAK
	WORKSHOP II Venue: Laboratories at the Institute of Hygiene Workshop Registration
13:00	
13:15	Klaus Dreisewerd, Simone König Welcome address
13:20	Michael Batey Waters Corporation Molecular imaging by mass spectrometry: Applications in biomedical research and drug discovery
14:20	Klaus Dreisewerd Institute of Hygiene Brief introduction to MALDI-MS imaging and MALDI-2-MS imaging
15:00	COFFEE BREAK AND LAB TOUR IN SMALL GROUPS
16:15 - 18:00	Demonstration of Experiments and data evaluation strategies via Team Viewer 1. Simeon Vens-Cappell Institute of Hygiene Enhanced MALDI-MSI analysis of glycolipids 2. Jens Soltwisch, Eike U. Brockmann Institute of Hygiene MALDI-2-MSI analysis of bacterial metabolites with a Synapt G2-S 3. Dennis Trede SCI LS Conceptual strategies for visualisation and analysis of mass spectrometry imaging data



Program

Thursday, 30 November

	CONFERENCE Venue: MPI for Molecular Biomedicine
08:30	Registration
09:00	Simone König, Günter Thesseling Welcome address
09:05	Ron Heeren, Maastricht - Key Note Lecture Translational molecular imaging: diagnosing the structure in disease
09:50	Matthias Wilm, Dublin <i>Conditio sine qua non</i> - Ensuring reproducibility in proteomic mass spectrometric analysis: A tale of innovation and implementation
10:20	COFFEE BREAK
10:45	Ilka Wittig, Frankfurt am Main Methods to study assembly and dynamics of protein complexes
11:10	Iris Finkemeier, Münster Mass spectrometry-based profiling of lysine acetylation and HDAC activity in plants
11:35	Julia Bandow, Bochum Identification of targets and mechanisms of metalloantibiotics
12:00	Peter James, Lund Modern technologies and their application to the diagnosis, prognosis and treatment of breast cancer
12:30	LUNCH
13:30	WORKSHOP III Arndt Asperger, Bruker Complementary MALDI imaging solutions based on latest MALDI-TOF and -FTICR MS technology
14:00	Marc Kipping, Waters Corporation An overview of past, present and future of data independent acquisition strategies
15:00	Gottfried Pohlentz, Münster Efficient analysis of proteolytic peptides and glycopeptides using ion mobility separations (IMS) and subsequent low energy collision-induced dissociation
15:30	Günter Thesseling, Reiner Westermeier, SERVA Electrophoresis Protein electrophoresis for professionals