

Scientific Program

The detailed Scientific Program will be available in the second announcement. Further information and updates will be made available progressively through the website:

www.biosupramol.de

Biological Mass Spectrometry

Prof. Dr. Christian Freund

Institute of Chemistry and Biochemistry / FU Berlin
Hahn-Meitner-Bau
Thielallee 63
14195 Berlin

Classical and Supramolecular Mass Spectrometry

Prof. Dr. Christoph Schalley

Institute of Chemistry and Biochemistry / FU Berlin
Animallee 22
14195 Berlin

Ion Mobility-Mass Spectrometry and Spectroscopy of Biomolecules

Prof. Dr. Kevin Pagel

Institute of Chemistry and Biochemistry / FU Berlin
Research Building SupraFAB
Altensteinstraße 23A
14195 Berlin

Pharmaceutical Mass Spectrometry

Prof. Dr. Maria Parr / Prof. Dr. Burkhard Kleuser

Institute of Pharmacy / FU Berlin
Königin-Luise-Str. 2+4
14195 Berlin

Contact | Registration

Dr. Mathias Dimde

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Summer School Team FU Berlin

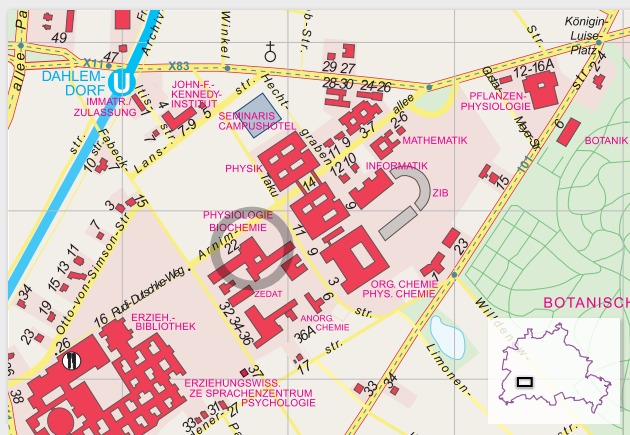
Dr. Felix Bredendiek
Dr. Benno Kuroпка
Dr. Fabian Schumacher
Dr. Andreas Springer

Summer School | October 04-05, 2022

Registration deadline September 15, 2022

Venue:

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Animallee 22, 14195 Berlin, Germany



Berlin University Alliance



Gefördert im Rahmen der Exzellenzstrategie von Bund und Ländern durch die Berlin University Alliance.



BERLIN



Senatsverwaltung
für Wissenschaft, Gesundheit,
Pflege und Gleichstellung

Mass Spectrometry

Summer School | October 04-05, 2022



Summer School 2022

Mass Spectrometry (MS)

Berlin University Alliance (BUA) Summer School „Mass Spectrometry“ at Core Facility BioSupraMol, FU Berlin

The “summer schools” have been held regularly since 2013 on various topics and are intended to promote the exchange of experience, networking and further education of students, doctoral candidates and interested scientists, particularly in the Berlin science community. They started on the initiative of the Core Facility BioSupraMol and are now continued within the framework of the BUA. Within this alliance, the Freie Universität Berlin, Humboldt-Universität zu Berlin and Technische Universität Berlin along with Charité - Universitätsmedizin Berlin are cooperating for innovative research and teaching.

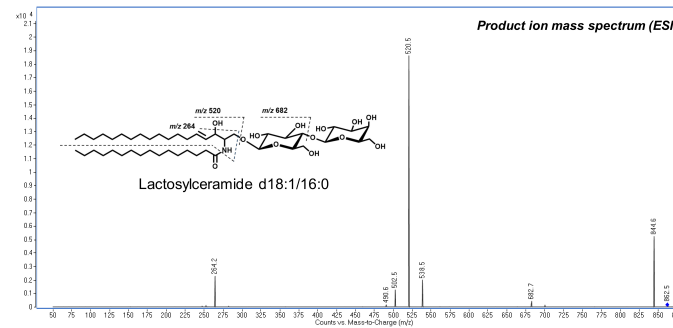
At this year's event at Freie Universität Berlin, various speakers off the BUA research hub and topic related experts share their expertise on the following topics:

- Protein analytics including proteomics and interactomics
- Clinical mass spectrometry (MS) with metabolomics
- Supramolecular mass spectrometry (MS)
- Imaging mass spectrometry (MS) techniques such as MALDI imaging and ToF-SIMS

In addition to the scientific presentations on these topics, methods, techniques and equipment in the BUA research area will be displayed.

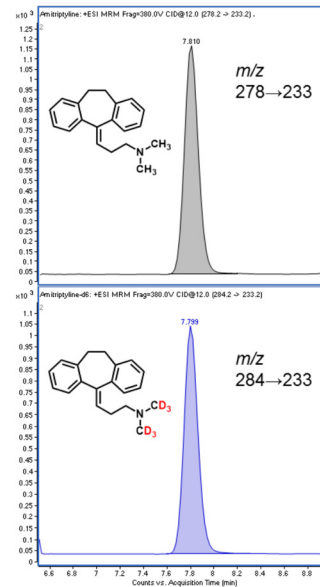
Furthermore, lab tours of the Core Facility BioSupraMol with its three FU mass spectrometry centers (Bio-, Pharma- and Supra-MS) and instrumentation inside the SupraFAB research building are planned.

Analysis of bioactive lipids

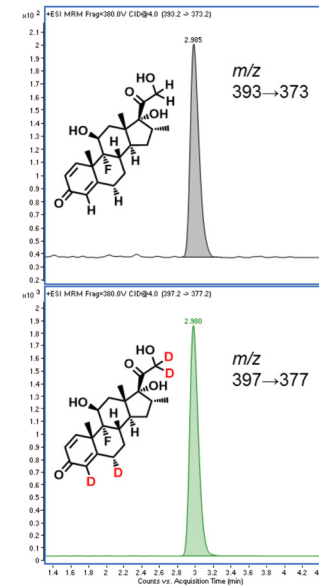


Drug quantification by isotope-dilution SRM

amitriptyline



dexamethasone



Selected research topics: Analysis of bioactive lipids and drug quantification by isotope-dilution selected reaction monitoring (SRM). F. Schumacher, FUB

October 04, 2022

Proteomics

Matthias Selbach | MDC

Philip Mertins | MDC

Interactomics

Juri Rappsilber | TU Berlin

Ilaria Piazza | MDC

Fan Liu | FMP, Charité

Leonhard Urner | TU Dortmund

Florian Stengel | Uni Konstanz

Mass Spectrometry Imaging

Oliver Klein | Charité

Jörg Radnik | BAM

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Clinical Mass Spectrometry

Maria Kristina Parr | FU Berlin

Maximilian Methling | Landesinst. f. gerichtliche und soziale Medizin Berlin

David Meierhofer | MPIMG

Markus Ralser | Charité

Jennifer Kirwan | MDC/BIH

Sven Heiles | JLU Gießen

Dominik Schwudke | DZIF Borstel

Supramolecular Mass Spectrometry

Kevin Pagel | FU Berlin

Daniel L. Stares | FU Berlin

Dietrich A. Volmer | HU Berlin

*preliminary list of speakers



Core Facility
BioSupraMol