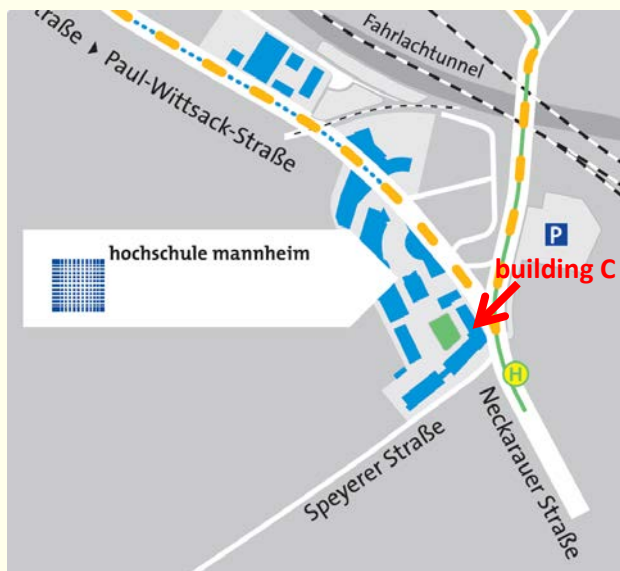


## Approach:

Hochschule Mannheim  
Aula, **building C**  
Paul-Wittsack-Straße 10  
68163 Mannheim



## Workshop Information:

Dr. Myriam Beilmann  
Scientific Project Manager  
ZAFH ABIMAS  
0621/ 292-6707

The Center for Applied Biomedical Mass Spectrometry (ZAFH ABIMAS, Mannheim) and the Institute for Medical Technology (IMT, Mannheim) present:

## Frontline Themes in MS

New Developments and Applications in Mass Spectrometry

### Support:



## Registration:

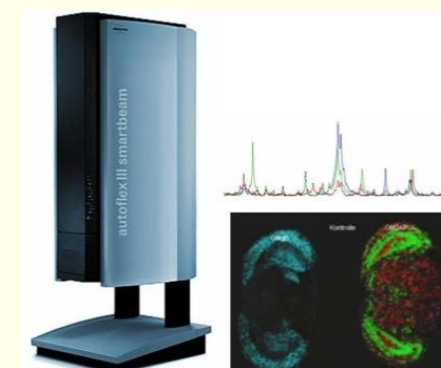
Please, register until **September 30**, 2013:  
[m.beilmann@hs-mannheim.de](mailto:m.beilmann@hs-mannheim.de).

The event is free of charge.



## 7<sup>th</sup> Mannheim Biotech-Workshop Frontline Themes in MS

-New Developments and Applications in Mass Spectrometry-



Thursday

**November 7, 2013**

10:00 am - 5:00 pm

Room: Aula, Hochschule Mannheim



Europäische Union

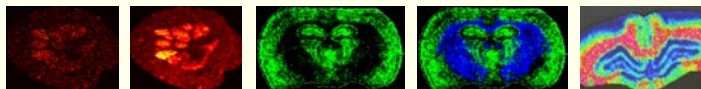


Baden-Württemberg



investition in  
Ihre Zukunft !  
Europäischer Fonds für  
regionale Entwicklung

7<sup>th</sup> Mannheim Biotech-Workshop  
**Frontline Themes in MS**



**Chair: Prof. Dr. Carsten Hopf**  
(Head, Institute of Instrumental Analysis and Bioanalysis)

## Programme

**10:00 am - 12:40 pm**

**10:00 Welcome**

**Prof. Dr. Frank-Thomas Nürnberg**

(Prorektor für Forschung, Internationale Angelegenheiten und Weiterbildung der Hochschule Mannheim)

**10:10 Mass Spectrometry – From Bench to Bedside**

**Prof. Dr. Carsten Hopf**

(ZAFH ABIMAS, Hochschule Mannheim)

**10:30 MALDI-MS Imaging: Adding a Molecular Dimension to Histology**

**Dr. Michael Becker**

(Bruker Daltonik GmbH, Bremen)

**10:50 MALDI-MS Imaging using the solariX XR – Ultrahigh mass resolution to identify compounds directly in tissue**

**Dr. Jens Fuchser**

(Bruker Daltonik GmbH, Bremen)

**11:10 MALDI-MS imaging in Alzheimer research**

**Dr. Björn Meyer**

(ZAFH ABIMAS, Hochschule Mannheim)

**11:30 Tissue preparation and on-tissue digestion for MALDI-MS Imaging using the SunCollect II plus**

**Dominic Bäumlisberger**

(SunChrom GmbH, Friedrichsdorf)

**Lunch break 11:50 am - 12:40 pm**

(Refreshment / equipment exhibition)

## Programme

**12:40 pm - 03:20 pm**

**12:40 MALDI-MS Imaging in Drug Discovery**

**Dr. Peter Marshall**

(GlaxoSmithKline, Stevenage, UK)

**01:10 MALDI-MS Imaging for Lipid Biomarker Discovery**

**Dipl.-Ing. (FH) Hermelindis Ruh**

(ZAFH ABIMAS, Hochschule Mannheim)

**01:25 Identification of mammalian cell cultures by MALDI-MS**

**Dr. Klaus Schneider**

(Merck KGaA, Darmstadt)

**01:45 Whole cell MALDI-MS biotyping of mammalian cells - method development and application**

**Dipl.-Ing. (FH) Bogdan Munteanu**

(ZAFH ABIMAS, Hochschule Mannheim)

**02:00 Evaluation of matrices for lipid MALDI-MS Imaging**

**Dr. Annabelle Fülöp**

(ZAFH ABIMAS, Hochschule Mannheim)

**02:20 Challenges in MALDI-MS imaging - Methods to retrieve the relevant information**

**Dipl.-Ing. Matthias Schwartz**

(ZAFH ABIMAS, Hochschule Mannheim)

**02:35 TLC-MS: combination of two powerful analytical methods**

**Dr. Katerina Mattheis**

(Merck KGaA, Darmstadt)

**Coffee break 02:55 pm - 03:20 pm**

(Coffee / equipment exhibition)

## Programme

**03:20 pm - 5:00 pm**

**03:20 MALDI-MS Imaging of pharmaceutical agents**

**M.Sc. Sandra Schulz**

(ZAFH ABIMAS, Hochschule Mannheim)

**03:35 Correct primary structure assessment and extensive glyco-profiling of Cetuximab by a combination of intact, middle-up, middle-down and bottom-up ESI and MALDI-MS techniques**

**Dr. Detlev Suckau**

(Bruker Daltonik GmbH, Bremen)

**03:55 Modern Mass Spectrometry Techniques for Pesticide Research and Development**

**Dr. Wolfgang Dreher**

(BASF SE, Ludwigshafen-Limburgerhof)

**04:15 Stable Isotope Mass Spectrometry –Fingerprints on atomic level**

**Prof. Dr. Philipp Weller**

(Head of Instrumental Analytics, Hochschule Mannheim)

**04:35 Emerging significance of mass spectrometry in the routine clinical laboratory**

**PD Dr. Findeisen**

(Universitätsmedizin Mannheim)

**04:55 Summary**

**Prof. Dr. Carsten Hopf**

(ZAFH ABIMAS, Hochschule Mannheim)

