

Core Facility BioSupraMol

Summer School: Mass Spectrometry in Supramolecular Chemistry and Biochemistry



Summer School 2013

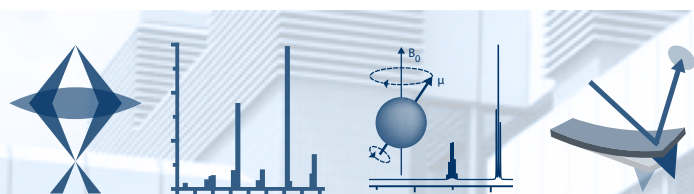
September 19-20, 2013

Freie Universität Berlin

www.biosupramol.de

Thursday, September 19th, 2013

- 09.00 – 09.15 **Opening and Welcome (Prof. Rainer Haag, Freie Universität Berlin)**
- 09.15 – 10.00 **Dr. Andreas Springer, Freie Universität Berlin**
“Introduction to Electrospray Ionization: Why Supramolecular Mass Spectrometry is Special?”
- 10.00 – 10.45 **Dr. Arndt Asperger, Bruker, Bremen**
“Introduction and Principles of MALDI Mass Spectrometry“
- 10.45 – 11.15 **Coffee Break**
- 11.15 – 12.00 **Dr. Alexander Muck, Waters, Eschborn**
“Introduction and Principles of Ion Mobility Mass Spectrometry: TWIMS“
- 12.00 – 14.00 **Lunch**
- 14.00 – 14.45 **Dr. Christoph Weise, Freie Universität Berlin**
“Proteomics – an Overview“
- 14.45 – 15.45 **Dr. Florian Stengel, ETH Zürich**
“MS-based Analysis of Protein Complexes and Protein-Protein Interactions“
- 15.45 – 16.15 **Coffee Break**
- 16.15 – 18.30 **Short Talks / Poster Presentation**
- 17.30 – 18.30 **Dinner**
- 18.30 – 19.30 **Dr. Mathias Schäfer, Universität zu Köln**
“Sophisticated Mass Spectrometry Experiments for Ion Structure & Reactivity Investigations: A Closer Look with IRMPD Spectroscopy and Ion-Molecule Reactions“



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Friday, September 20th, 2013

- 09.00 – 10.30 **Prof. Christoph Schalley, Freie Universität Berlin**
“Supramolecular Chemistry Goes Gas Phase – Case Studies“
- 10.30 – 12.00 **Lab tours**
- 12.00 – 14.00 **Lunch**
- 14.00 – 14.45 **Dr. Gerd von Helden, FHI Berlin**
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- 14.45 – 15.30 **Dr. Kevin Pagel, FHI Berlin**
“Analyzing Carbohydrate Isomers by Ion Mobility Mass Spectrometry –
How Adduct Formation Affects Separation“
- 15.30 – 16.00 **Coffee Break**
- 16.00 – 17.00 **Dr. Perdita Barran, University of Edinburgh**
“Resolving Solution Structures in the Absence of Solution“
- 17.00 – 17.15 **Closing Remarks (Prof. Christoph Schalley, Freie Universität Berlin)**

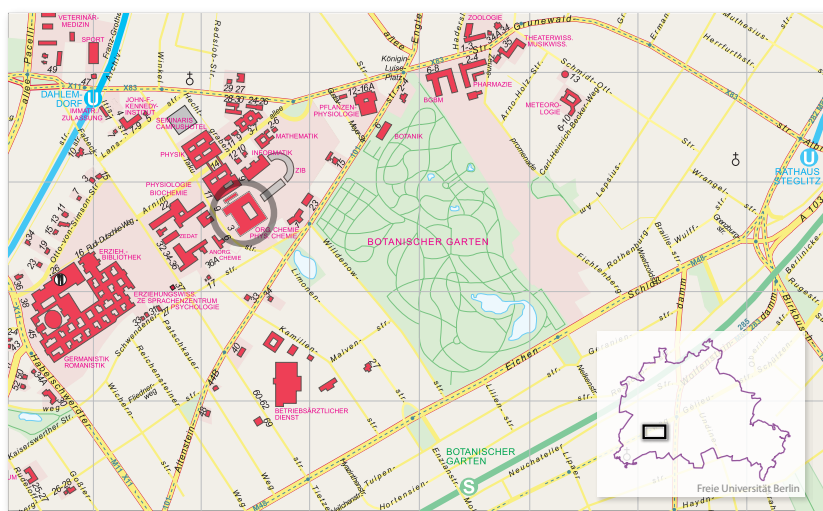
Venue: Lecture Hall, Institute for Chemistry and Biochemistry,
Freie Universität Berlin, Takustr. 3, 14195 Berlin, Germany

The number of participants of the summer school is limited to 60.
Course participants are requested to send a written application until August 31, 2013 to Katharina Tebel:

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Contact

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