

Core Facility BioSupraMol

Summer School:

NMR Spectroscopy in Chemistry and Biochemistry



Summer School 2014

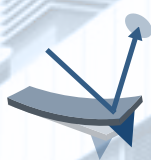
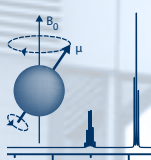
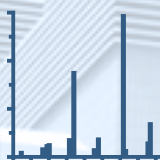
September 11-12, 2014

Freie Universität Berlin

www.biosupramol.de

Thursday, September 11th, 2014

- 09.00 – 09.15 **Opening and Welcome (Rainer Haag, Christian Freund, Freie Universität Berlin)**
- 09.15 – 10.15 **Monika Beerbaum, FMP, Berlin**
“NMR of small molecules”
- 10.15 – 11.15 **Jana Sticht, Freie Universität Berlin**
“An introduction to protein NMR spectroscopy”
- 11.15 – 11.30 *Coffee Break*
- 11.30 – 12.30 **Sascha Lange, Freie Universität Berlin**
“NMR of large protein systems: Solid state and dynamic nuclear polarization”
- 12.30 – 13.30 *Lunch*
- 13.30 – 14.30 **Christian Freund, Freie Universität Berlin**
“NMR spectroscopy of protein-ligand interactions”
- 14.30 – 15.30 **Leif Schröder, FMP, Berlin**
“Reversibly bound hyperpolarized Xenon for NMR sensing applications”
- 15.30 – 16.00 *Coffee Break*
- 16.00 – 17.00 **Christoph Rademacher, MPI-KGF, Berlin**
“Ligand-based NMR techniques”
- 17.00 – 18.00 **Barth van Rossum, FMP, Berlin**
“A pictorial introduction to solid state NMR”
- 18.00 – 19.00 *Dinner*



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Friday, September 12th, 2014

- 09.00 – 10.00 **Daniel Mathieu, Bruker, Rheinstetten**
“Speeding up protein NMR”
- 10.00 – 11.00 **John Gross, University of California, USA**
“Extracting mechanism from ms-usc dynamics of multiprotein complexes involved in gene regulation”
- 11.00 – 11.25 *Coffee Break*
- 11.25 – 12.25 **Volker Dötsch, Goethe-Universität Frankfurt am Main**
“Combination of cell-free synthesis and NMR spectroscopy for the structure determination of membrane proteins”
- 12.25 – 13.25 **Markus Zweckstetter, MPI-BPC, Göttingen**
“NMR spectroscopy in neurodegeneration”
- 13.25 – 13.30 **Closing Remarks (Christian Freund, Freie Universität Berlin)**
- 13.30 – 15.00 *Lunch / Lab tours*

Venue:

**Institute for Chemistry and Biochemistry
Freie Universität Berlin**

**Organic Chemistry
Takustr. 3, 14195 Berlin, Germany, Lecture Hall**

Contact

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