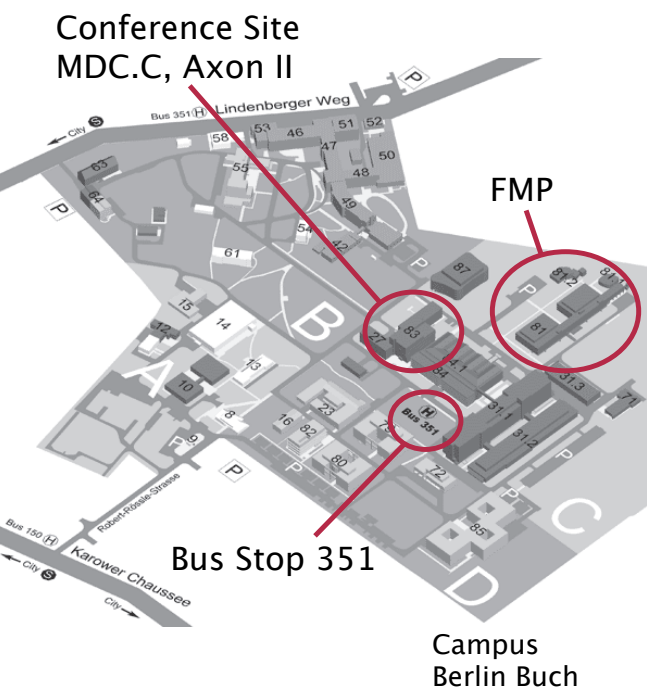


Campus Berlin Buch

by public transportation

- S2 to Berlin Buch
- Bus #351 Robert-Rössle Strasse



Challenges in NMR Spectroscopy



Solids meet Solution and Imaging

Berlin, Germany

22.10 – 23.10.2009

Sponsors



Leibniz-Institut für Molekulare Pharmakologie

FMP

Welcome

We would like to invite you to attend the annual conference of the Berlin-Buch NMR center. This year's meeting focusses on "Challenges in NMR spectroscopy". The symposium takes place on the Science Campus in Berlin-Buch and lasts from Thursday, October 22, to Friday, October 23. Attending the conference is free of charge. In order to plan the meeting and the social event, however, we would like to encourage you to register by sending an email to Andrea Steuer (steuer@fmp-berlin.de). Hotel reservation is available on request.

We are looking forward for this exciting meeting and are hoping that you find time to join us in Berlin !

Linda Ball, Christian Freund, Hartmut Oschkinat, Barth van Rossum, Bernd Reif, Peter Schmieder, Leif Schröder, Phil Selenko

Program

Thursday, 22.10.2009

SOLUTION AND SOLIDS

10:15-11:00 Guido Pintacuda, ENS Lyon
"Paramagnetic proteins and ultra-fast MAS"

11:00-11:45 Stephan Schwarzinger, U Bayreuth
"Spin Labeling in Bio-NMR- Extending the Tool Box"

11:45-12:05 Marvin Bayro, MIT Cambridge
"Molecular organization of PI3-SH3 fibrils by MAS NMR"

12:05-12:50 Chris Jaroniec, Ohio State U
"Atomic resolution structural studies of mammalian prion amyloids by solid-state NMR spectroscopy"

LUNCH

Program

Thursday, 22.10.2009, continued

DYNAMICS

14:00-14:45 Dennis Torchia, NIH Bethesda
"Protein Dynamics and NMR: Thoughts from a 40-year Personal Trajectory"

14:45-15:30 Nils Lakomek, NIH Bethesda
"Nano- to microsecond molecular recognition dynamics in ubiquitin"

15:30-16:15 Fabien Ferrage, ENS Paris
"New methods, better rates. Protein dynamics from NMR relaxation"

COFFEE

16:45-17:30 Ann McDermott, Columbia U
"Enzyme Catalysis And Protein Dynamics: Studies by Solid State NMR and other Methods"

17:30-17:50 Nikolai Skrynnikov, Purdue U
"Comparing order parameters from solids and solution"

17:50-18:35 Martin Blackledge, IBS Grenoble
"A Unified Representation of Protein Structural Dynamics in Solution"

Conference Dinner

Program

Friday, 23.10.2009

SOLIDS AND SOLUTION

8:30-9:15 Rachel Martin, UC Irvine
"SAS experiments for oriented systems"

9:15-10:00 Peter Lukavsky, MRC Cambridge
"RNA structures mediating RNA transport"

10:00-10:45 Adam Lange, MPI Göttingen
"Solid-state NMR characterization of membrane proteins, amyloid fibrils, and a type 3 secretion system needle"

COFFEE

IMAGING

11:15-12:00 Ivan J. Dmochowski, U Penn
"Xenon biosensors: Design parameters and bio-applications"

12:00-12:45 Stefan Kirsch, U Heidelberg
"X-nucleus magnetic resonance imaging"

12:45-13:30 Stefan Petersson, GE Healthcare
"Metabolic MR imaging using hyperpolarized C-13"

LUNCH AND CLOSING