

Biomolecular NMR

A hands-on PhD course (up to 4 ECTS)

Venue: Swedish NMR Centre, University of Gothenburg

Dates: 12-16 Oct 2015

Target group: PhD students and researchers with projects involving protein characterization by NMR

Organizers: Vladislav Orekhov, Swedish NMR Centre, Univ. of Gothenburg
Martin Billeter, Chem. and Mol. Biology, Univ. of Gothenburg

Information: will be posted at <http://www.nmr.gu.se/english/courses/>

Registration: by e-mail to orov 'at' nmr.gu.se; deadline - 15 Sep 2015; registration fee - none; number of participants is limited.

Student support: a limited number for travel grants will be available (NordForsk). Apply with motivation by 5 Sep 2015

Teachers:

- Billeter, Martin, University of Gothenburg, Sweden
- Bonvin, Alexandre Utrecht University, the Netherlands
- Bermel, Wolfgang Bruker BioSpin GmbH, Germany
- Grishaev, Alexander Nat. Inst. of Standards & Technol, USA
- Karlsson, Göran, University of Gothenburg, Sweden
- Mayzel, Maxim, University of Gothenburg, Sweden
- Orekhov, Vladislav, University of Gothenburg, Sweden

Topics:

- Concepts of NMR spectroscopy
- Pulse programming and shaped pulses
- NMR signal processing: traditional & novel methods
- Current state of automated NMR structure calculations
- NMR/SAXS structure determination
- HADDOCK basics: protein-protein & protein-ligand
- CS-Rosetta and other tools at WeNMR

Faculty of Science



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