

Biomolecular NMR

A hands-on PhD course (2 ECTS)

- Venue:** Swedish NMR Centre, University of Gothenburg
- Dates:** 14-18 Oct 2013
- 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
Gerhard Gröbner, Umeå University, Sweden
- Information:** will be posted at <http://www.nmr.gu.se/english/courses/>
- Registration:** by e-mail to orov 'at' nmr.gu.se; deadline - 1 Oct 2013; registration fee - none; number of participants is limited

Teachers:

- Billeter, Martin, *Univ. of Gothenburg, Sweden*
- Gröbner, Gerhard, *Umeå University, Sweden*
- Karlsson, Göran, *University of Gothenburg, Sweden*
- Mayzel, Maxim, *University of Gothenburg, Sweden*
- Orekhov, Vladislav, *University of Gothenburg, Sweden*
- Uversky Vladimir, *University of South Florida, USA*
- Williamson Philip, *University of Southampton, UK*

Topics:

- Concepts of NMR spectroscopy
- NMR spectrometer and data acquisition
- NMR signal processing: traditional & novel methods
- Resonance assignment
- Solid state NMR on biological membranes
- Molecular interactions in biological solids
- Intrinsically disordered proteins (IDP)