

# Biomolecular NMR: tools for studying protein and RNA dynamics

A hands-on PhD course (3 ECTS)

**Venue:** Swedish NMR Centre, University of Gothenburg, Medicinaregatan 5C, Gothenburg, Sweden

**Dates:** September 26-30, 2016

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

**Organizers:** Vladislav Orekhov, Martin Billeter, Göran Karlsson  
Swedish NMR Centre & Department of Chemistry and Molecular Biology, University of Gothenburg

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

**Registration:** send your affiliation, education background, and motivation to attend the course to orov 'at' nmr.gu.se  
deadline – 25 Aug 2016; registration fee - none; number of participants is limited.

**Student support:** lodging and lunches will be provided for the course period. Pls. note in the application if you need lodging.

## Teachers:

- Akke Mikael Lund University, Sweden
- Bermel Wolfgang Bruker BioSpin GmbH, Germany
- Hansen Flemming University College London, UK
- Lundström Patrik Linköping University, Sweden
- Orekhov Vladislav University of Gothenburg, Sweden
- Petzold Katja Karolinska Institute, Sweden

## Topics:

- Dynamics of protein folding and interactions
- Pulse programming, 3D experiments with a pseudo dimension
- Relaxation dispersion, side-chains, and IDPs
- Chemical shifts in protein excited state
- Quantitative Non-Uniform sampling
- Functional dynamics in DNA and RNA

