

# Biomolecular NMR: modern tools for data processing and interpretation

An advanced hands-on PhD course (3 ECTS)

- Venue:** Swedish NMR Centre, University of Gothenburg, Medicinaregatan 5C, Gothenburg, Sweden
- Dates:** September 25-29, 2017
- 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://nmr.gu.se/english/events>
- Registration:** describe your affiliation, education background, and a motivation to attend the course in an e-mail to orov 'at' nmr.gu.se  
deadline – 15 July 2017; registration fee - none; number of participants is limited.
- Student support:** lunches will be provided for the course period. Limited number of lodgings stipends is available, please note in the application if you need the lodging.

## Teachers:

- Billeter Martin, Orekhov Vladislav, Mayzel Maxim, Pustovalova Yulia  
*University of Gothenburg, Sweden*
- Gutmanas Aleksandras  
*PDB Europe, EMBL-EBI*
- Hoch Jeffrey, Maciejewski Mark, Schuyler Adam  
*UConn Health, USA*
- Kazemi Sina, Würz Julia  
*Goethe-University, Frankfurt, Germany*
- Kazmierczuk Krzysztof  
*University of Warsaw, Poland*

## Topics:

- World of modern NMR signal processing
- Automatic Assignment and structure calculation
- Validation of NMR structures and experimental data
- NMRbox: introduction and tour of embedded software
- NUS outside frequency dimensions
- Quantitative Non-Uniform sampling
- High-dimensional NUS spectra of IDPs

