

# Biomolecular NMR Spectroscopy

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Biochemistry II

Biomolecular NMR

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Date: December 2013

Duration: 2-3 Days

Biochemistry seeks to understand life at a molecular level by examining the relationship between the structure and function of biomolecules, in particular proteins, nucleic acids and lipids. To achieve this, we use techniques such as Biomolecular NMR Spectroscopy to determine the three-dimensional structures and dynamics of biomolecules as well as how they interact with each other and other molecules in solution at near-physiological conditions.

This lab rotation will help the participants to familiarise themselves with the initial steps of Biomolecular NMR Spectroscopy. This includes, but is not limited to, preparation of isotopically enriched protein samples, theoretical concepts of NMR spectroscopic techniques, processing of NMR and their analysis.

The duration of this practical course will be **2-3 days**, depending on the individual interest of the participants and will take place in **December 2013**. The size of the group should not exceed **2 persons**.

If you have further questions feel free to contact us via Email ([bionmr@rub.de](mailto:bionmr@rub.de)) or just visit us in room NC 5/171.