

PhD Studies at the International Helmholtz Research School of Biophysics and Soft Matter

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The International Helmholtz Research School of Biophysics and Soft Matter (IHRS BioSoft) at **Forschungszentrum Jülich, Heinrich-Heine-Universität Düsseldorf, Universität zu Köln, and Forschungszentrum caesar Bonn** provides an in-depth training in Biophysics and Soft Matter. A comprehensive framework of **experimental and theoretical** tools enables PhD students to gain deeper understanding into the structure, dynamics, and function of complex systems. The three-year PhD programme reflects the increasing importance of interdisciplinary knowledge in research and provides comprehensive training in scientific and transferrable skills. Projects for the PhD thesis can be selected from the following research areas:

- Complex Fluids
- Colloid and Polymer Physics
- Dynamics of Macromolecules
- Supramolecular/Amphiphilic Self-Assembly
- Bioelectronics and Biomechanics
- Cell Biophysics
- Plant Biology
- Structural Biology
- Cellular Signalling Pathways
- Receptor-Ligand-Interactions
- Artificial and Biological Membranes
- Optical Spectroscopy and Imaging
- Statistical Physics, Computer Simulations
- NMR, PET
- Light, Neutron, and X-ray Scattering
- Rheology
- and many more

The Research School is open to highly qualified and motivated applicants from all countries. Applicants should hold a Master's or other degree comparable to a German University Diploma in biological, chemical or physical sciences. The teaching language is English; sufficient command of the language is required for acceptance.

The Research School is committed to an equal opportunity policy. We therefore welcome and encourage applications of qualified women and disabled candidates. Please forward your application documents (the completed application form, your CV, and scans of the MSc and BSc certificates) to Dr. Thorsten Auth: admission_biosoft@fz-juelich.de

Further information: www.ihrs-biosoft.de