

PhD Studies at the

International Helmholtz Research School of Biophysics and Soft Matter

Soft Matter: Complex Fluids • Colloid and Polymer Physics • Dynamics of Macromolecules • Supramolecular and Amphiphilic Self-Assembly • Flow Dynamics and Microfluidics • Membrane Physics • Non-Equilibrium Behaviour and External Fields

Biophysics: Biomechanics • Bioelectronics • Structural Biology • Biological Membranes • Receptor-Ligand Interactions • Cellular Signalling Pathways • Neurobiology • Cell-Transistor Coupling • Biosensors

Methods: Optical Spectroscopy and Imaging • Light, Neutron and X-ray Scattering • Rheology • NMR • Electron Cryo-Microscopy • Statistical Physics and Computer Simulations • Fluorescence Microscopy • Single-Molecule Techniques • Quantitative Image Analysis • and many more

www.ihrs-biosoft.de