PhD Program between Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

Open PhD Position at Freie Universität Berlin, offered only to Chinese CSC scholarship candidates 2027

Department/Institute: **BCP, Institute of Chemistry and Biochemistry**

Subject area: **Biophysical Chemistry**

Name of Supervisor: **Prof. Dr. Stephan Block**

Number of open PhD positions: *1*

Type of the PhD Study: 1 (full time preferred)

Project title: **Single-molecule studies on glycan-protein interactions**

PhD Project description:

In this project, advanced microscopic approaches with single-molecule sensitivity, such as total internal reflection fluorescence microscopy, fluorescence correlation spectroscopy, and atomic force microscopy will be used to quantify the impact of biomolecular interactions on the molecular transport in complex environments (e.g., within hydrogels or extracellular matrices). The investigations will focus on glycan-protein interactions, which are important players in various biological processes such as the penetration of biological barriers by viruses and bacteria.

Language requirements:

- IELTS: 6,5 oder TOEFL: 95 ibt

Academic requirements:

Master or Diploma in Chemistry, Biophysics, Physics, Biochemistry or a related field

Information of the professor or research group leader (website, awards etc.):

Website: https://www.bcp.fu-berlin.de/en/chemie/chemie/forschung/PhysTheoChem/block/
Please note: In a first step, the complete application should be uploaded to the online portal (https://fuberlin.moveon4.de/form/60acfece5d328710e40bdbd5/eng) for evaluation by January 15th, 2027.