



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

Open PhD Position at Freie Universität Berlin, offered only to Chinese CSC scholarship candidates 2019

Please Note: this PhD position is only offered to Chinese PhD candidates for the application in the framework of the FUB-CSC PhD Program.

<u>Department/Institute:</u>	Department of Mathematics and Computer Science
<u>Subject Area:</u>	Computational Systems Biology
<u>Name of Supervisor:</u>	Prof. Dr. Alexander Bockmayr
<u>Number of Open PhD Positions:</u>	1
<u>Type of the PhD Study:</u>	Full-time
<u>Project Title:</u>	Constraint-based Modelling of Metabolism and Regulation

PhD Project Description:

The goal of the project is to develop new mathematical methods and efficient algorithms for modeling metabolic networks and their regulation. The student should have a strong background in mathematical modeling and optimization, especially using discrete and constraint-based methods. In addition, basic knowledge of molecular biology and biochemistry is required.

Language Requirements:

IELTS: 6,5 / TOEFL: 95 ibt

Academic Requirements:

Master of Science in Mathematics or Bioinformatics (or an equivalent degree).
Experience in programming and software development

Information of the Professor or Research Group Leader:

<http://page.mi.fu-berlin.de/bockmayr/>

Please Note: In a first step, the complete application should be submitted to the Beijing Office for evaluation by January 4th, 2019. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the Beijing Office in January.