



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

### Open PhD position for CSC scholarship candidates 2015

The PhD position is only offered to Chinese PhD candidates for application in the framework of the FU-CSC Program.

<b><u>Department/Institute:</u></b>	Mathematics and Informatics
<b><u>Subject area:</u></b>	Mathematics in Life Sciences
<b><u>Name of Supervisor:</u></b>	Prof. Dr. Alexander Bockmayr
<b><u>Number of open positions:</u></b>	1-2
<b><u>Project title:</u></b>	Constraint-based modelling of metabolic networks

#### **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:**

The daily research work and the thesis can be done in English.

#### **Academic requirements:**

Master degree in Mathematics, Computer Science or Bioinformatics, with specialization in an area relevant to the project.

#### **Link to professor and further information:**

Prof. Dr. Alexander Bockmayr

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

In a first step the complete application should submit to the Beijing Office for evaluation by January 4<sup>th</sup>. Please don't contact the professor before. He will get in contact with you after having received the complete application in January.