



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.

<u>Department/Institute:</u>	Institute of Chemistry and Biochemistry
<u>Subject area:</u>	Bioinorganic Chemistry
<u>Name of Supervisor:</u>	Prof. Dr. Nora Kulak
<u>Number of open positions:</u>	1
<u>Project title:</u>	Biologically active metal complexes

Project description:

The PhD project will comprise the synthesis of metal complexes (Cu, Zn) that can exhibit biological activity. Organic synthesis of ligand systems and coordination chemistry as well as characterization of the products will be the main part of the project. Also conjugation to biomolecules is conceivable. The complexes and their bioconjugates, respectively, will be designed such that they can be used for targeting biomolecules in cells. One major application will be the testing of DNA cleavage ability.

Language requirements:

- PhD thesis can be written in English
- Spoken English should be at an advanced level
- Some knowledge in German is preferred; if not, the candidate should show a convincing intention to acquire the language in the country

Academic requirements:

- Background in inorganic or organic chemistry, most preferably coordination chemistry
- Please note that a Bachelor's degree is not sufficient for a full time doctorate

Link to professor and further information:

Kulak group: www.bcp.fu-berlin.de/en/chemie/kulak

Please note:

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