



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

Open PhD position at FUB for CSC scholarship candidates 2018

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

<u>Department/Institute:</u>	Department of Biology, Chemistry, Pharmacy / Institute of Chemistry and Biochemistry – Inorganic Chemistry
<u>Subject area:</u>	Halogen Bonding, Main Group Chemistry
<u>Name of Supervisor:</u>	Prof. Dr. Sebastian Hasenstab-Riedel
<u>Number of open PhD positions:</u>	1
<u>Type of the PhD Study:</u>	Full-time
<u>Project title:</u>	Using halogen bonding concepts for the preparation of new catalysts

PhD Project description:

In this project, the concept of halogen bonding will be used for the development of new main group catalysts. It is well known that the halogen bonding can be used for the activation of small molecules. The species in question will be characterized by standard inorganic techniques such as X-ray, NMR, UV/VIS, IR and Raman spectroscopy in conjunction with state-of-the-art quantum-chemical calculations.

Language requirements:

German: TestDaf: 16 or DSH 2 **OR** English: IELTS: 6.5 or TOEFL: 95 ibt.

Academic requirements:

A Master's degree in chemistry or physics is required.

Information of the professor or research group leader:

<http://www.bcp.fu-berlin.de/en/chemie/chemie/forschung/InorgChem/agriedel/index.html>

Please note: In a first step, the complete application must be submitted to the Beijing Office for evaluation by January 4th, 2018. 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.