



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 Biology
<u>Subject area:</u>	Neuroscience
<u>Name of Supervisor:</u>	Prof. Dr. Ursula Koch
<u>Number of open PhD positions:</u>	1
<u>Type of the PhD Study:</u>	Full-time
<u>Project title:</u>	Sensory processing in autism spectrum disorders

PhD Project description:

My group investigates the neural basis of sensory perception in mice with autism spectrum disorders. Humans (and mice) with autism spectrum disorder suffer from behavioral abnormalities, difficulties in social communication, language acquisition and sensory integration. One prevalent feature is also a pronounced hypersensitivity to several sensory modalities. The proposed PhD project aims to find out the underlying mechanisms why autistic people are hypersensitive to sounds and also have problems with sound perception and communication. By using molecular, anatomical and physiological methods the PhD candidate will find out differences in function, connectivity and processing in brain areas dedicated to sound processing in mice with autism spectrum disorder.

Language requirements:

IELTS: 6.5 or TOEFL: 95 ibt.

Academic requirements:

Master degree in Biology, Biophysics, Physics or a degree in Medicine

Information of the professor or research group leader:

AG Koch webpage: http://www.bcp.fu-berlin.de/en/biologie/arbeitsgruppen/physiologie_biochemie/ag_koch/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.