



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>	FB BCP/ Institut für Biologie
<u>Subject Area:</u>	Neuroscience
<u>Name of Supervisor:</u>	Prof. Ursula Koch
<u>Number of Open PhD Positions:</u>	1
<u>Type of the PhD Study:</u>	Full-time or Sandwich
<u>Project Title:</u>	Sensory Processing in the Autistic Brain

PhD Project Description:

Our research group focuses on the question how the autistic brain processes sensory information. We are especially interested neural circuits that analysis sound. People with autism spectrum disorder show deficits in auditory processing including hypersensitivity to loud sounds, deficits in sound discrimination and problems in language acquisition and processing. These sensory disturbances contribute to the well-known social deficits of people with autism spectrum disorder.

The prospective PhD student will be involved in dissecting the development of autistic brains underlying auditory dysfunction in mouse models with autistic spectrum disorders. We use a combination of in vitro and in vivo electrophysiology, anatomical and molecular biology techniques to obtain a detailed picture of changes occurring on the molecular and circuit level in these brains. We are also starting to analyze the behavior of autistic mice especially in the context of vocalizations. We are especially looking for PhD candidates with a strong interest in neuroscience and behavior.

More information about the research group and current research projects is available on our webpage:

http://www.bcp.fu-berlin.de/en/biologie/arbeitsgruppen/physiologie_biochemie/ag_koch/index.html

Language Requirements:

IELTS: 6,5 / TOEFL: 95 ibt

Academic Requirements:

Biology, Physics, Biochemistry, Medicine, Psychology

Information of the Professor or Research Group Leader:

http://www.bcp.fu-berlin.de/en/biologie/arbeitsgruppen/physiologie_biochemie/ag_koch/index.html

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.