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 2020

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

Department/Institute: BCP, Institute for Biology
Subject area: Evolutionary Biology
Name of Supervisor: Prof. Dr. Jens Rolff
Number of open PhD positions: 2
Type of the PhD Study: Fulltime
Project title: Evolution of resistance against antimicrobial peptides

PhD Project description:
Antibiotic resistance is one of the most pressing global health issues. Antimicrobial peptides, main players of the immune defense of multicellular organisms, are considered as a new promising group of drugs. They differ from antibiotics in many ways that result in much lower resistance evolution. In my lab we explore the evolutionary dynamics of bacteria exposed to antimicrobial peptides to inform both, medical applications as well as understanding innate immune systems. This project is experimental requires a combination of approaches from experimental evolution, genome sequencing and molecular methods.

Language requirements:
IELTS: 6,5 or TOEFL: 95 ibt

Academic requirements:
Master in Biology, prior knowledge in evolutionary biology and/or microbiology is highly desirable. Knowledge of statistics and standard molecular methods also benevidla.

Information of the professor or research group leader (website, awards etc.):


Please Note: In a first step, the complete application should be submitted to csc@international.fu-berlin.de for evaluation by January 4th, 2020. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the International Office of Freie Universität Berlin in January.