



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

Open Postdoc position at FUB for CSC scholarship candidates 2017

Please note: the postdoc position is only offered to Chinese who graduated with a PhD degree from a Chinese university.

<u>Department/Institute:</u>	Institute for Biology, Epigenetics of Plants
<u>Subject area:</u>	Plant Molecular Biology, Epigenetics, Stress Physiology
<u>Professor / Research Group:</u>	Prof. Dr. Daniel SCHUBERT (Mr.)
<u>Number of open Postdoc positions:</u>	1
<u>Project title:</u>	Epigenetic regulation of stress memory

Postdoc Project description:

Research in the group focuses on memory processes in plants: how plants remember transitions in the lifecycle and how they memorize stressful events to become more resistant to subsequent stresses (see AG Schubert website and CRC973 website; also Schatlowksi et al. 2010, Plant Cell 22: 2291; Lafos et al. 2011, PLoS Genetics 7: e1002040; Müller-Xing et al. 2014, Plant Cell 26: 2457). The project will contribute to deciphering molecular and genetic mechanisms of epigenetic gene regulation which confer prolonged stress memory in plants. We are using Arabidopsis as model but are also interested in evolutionary aspects of epigenetic gene regulation and transferring results to crop species. The project will combine biochemical, molecular and genetic analyses and use cutting-edge technologies and facilities for imaging and mutant analyses, cell-type specific, epigenomic profiling (INTACT, ChIP-Seq) and biochemical analyses. The detailed project will be determined based on your interest and experience. The group is part of the part of the Dahlem Centre of Plant Sciences (DCPS), which is a focus area of FU Berlin, and the Collaborative Research Center (CRC) 973 "Priming and Memory of Organismic Responses to Stress" which offer both excellent training and facilities.

Language requirements:

English: IELTS 6.5 or TOEFL 95 ibt.

Academic requirements:

PhD in plant molecular biology. A background in epigenetics, plant development and/or stress physiology is an advantage. The successful candidates are expected to be highly motivated and creative team players.

Information of the professor or research group leader:

The group consists of several international students and the working language is English. More information on the research topics, publications etc can be found here:

http://www.bcp.fu-berlin.de/en/biologie/arbeitsgruppen/genetik/ag_schubert/index.html

http://www.sfb973.de/research/Project_C7/index.html

<http://www.dcps.fu-berlin.de/index.html>

Please note:

In a first step the complete application should be submitted to the Beijing Office for evaluation by November 6, 2016. Please don't contact the professor before. He/She will get in contact with you after having received the complete application.