



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

Open PhD position at FUB for CSC scholarship candidates 2017

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/Applied Genetics |
| <u>Subject area:</u> | Plant Molecular Biology |
| <u>Name of Supervisor:</u> | Prof. Dr. Thomas SCHMÜLLING (Mr.) |
| <u>Number of open PhD positions:</u> | 1 |
| <u>Type of the PhD Study:</u> | Full-time |
| <u>Project title:</u> | Regulation of Plant Development and Stress Responses by Cytokinin |

PhD Project description:

Cytokinin is a plant hormone regulating numerous aspects of plant development as well as some plant stress responses (see e.g. Werner and Schmölling, Curr. Op. Plant Biol. 12, 527-538, 2009). The project will explore the mechanism(s) of cytokinin action in the context of a specific function which is addressed in our research portfolio, which includes its action in the shoot apical meristem, its influence on seed yield (Bartrina et al., Plant Cell, 2011), its role in response to cold and circadian stress (see Nitschke et al., Plant Cell, 2016). Part of our work is devoted to transferring know how from model plants to crop plants in order to increase their performance and yield. The exact topic can be discussed depending on interest and background experience. The institute offers excellent conditions and is part of the Dahlem Centre of Plant Sciences (DCPS), which is a focus area of FU Berlin.

Language requirements:

IELTS 6.5 or TOEFL 95 ibt.

Academic requirements:

Master in Biology with a major in Plant Molecular Biology, Biochemistry, Genetics or equivalent.

Information of the professor or research group leader:

Website: http://www.angenetik.fu-berlin.de/index_eng.html

Please note:

In a first step the complete application should be submitted to the Beijing Office for evaluation by January 4th, 2017. Please don't contact the professor before. He/She will get in contact with you after having received the complete application in January.