



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

### Open PhD position at FUB for CSC scholarship candidates 2016

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

<b><u>Department/Institute:</u></b>	Institute of Biology / Applied Genetics
<b><u>Subject area:</u></b>	Plant Molecular Biology
<b><u>Name of Supervisor:</u></b>	Prof. Dr. Thomas SCHMÜLLING (Mr.)
<b><u>Number of open PhD positions:</u></b>	1
<b><u>Type of the PhD Study:</u></b>	Full-time
<b><u>Project title:</u></b>	Regulation of Plant Development 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. Currently we are investigating the role of cytokinin in regulating shoot meristem activity, seed germination, lateral root development, chloroplast development and gene expression in Arabidopsis. Part of our work is devoted to transferring know how from model plants to crop plants (e.g. root system size in barley) 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 Freie Universität Berlin.

#### **Language requirements:**

Very good knowledge of English is required.

#### **Academic requirements:**

MSc in Biology or Biochemistry

#### **Information of the professor or research group leader:**

[www.angenetik.fu-berlin.de](http://www.angenetik.fu-berlin.de)

and

[www.dcps.fu-berlin](http://www.dcps.fu-berlin)

**Please note:**

In a first step the complete application should submit to the Beijing Office for evaluation by January 4<sup>th</sup>, 2016. Please don't contact the professor before. He/She will get in contact with you after having received the complete application in January.