PhD position (m/f) in Plant Molecular Biology:

Deciphering molecular mechanisms that control plant embryo development under stress

A DFG-funded PhD position (payment according to TV-L) is available at the Julius-von-Sachs-Institute for Plant Sciences / Biocenter, University of Würzburg. We are offering this position **to an enthusiastic and talented student,** who is interested to initiate research on the analysis of *Arabidopsis* **transcription factors in plant embryogenesis**.

The project aims to **unravel central molecular players that control plant embryo development** under detrimental environmental conditions to support research on stress resistant crops. The topic will be experimentally addressed by applying a **broad range of methods** including **molecular biology methods (such as CRISPR/Cas9 mediated genome editing, RNAseq and ChIPseq)**, high resolution **confocal laser scanning microscopy** (LSM) and **computational network analyses**.

The **Julius-von-Sachs Institute for Plant Sciences** offers an **excellent, multi-disciplinary research environment** applying **state-of-the-art techniques** in plant physiology, molecular biology, biophysics, metabolomics and eco-physiology. Moreover, the successful candidate will benefit from soft skill courses due to participation in the **Graduate School of Life Sciences (GSLS)** Würzburg.

Required is a **diploma or masters degree in molecular biology, genetics, biochemistry** or related areas and **very good communication skills in English**. **Experiences in plant molecular biology are mandatory**.

For further information contact **Dr. Christoph Weiste**, Julius-Maximilians-Universität Würzburg, Julius-von-Sachs-Institut, Pharmazeutische Biologie, Julius-von-Sachs-Platz 2, D-97082 Würzburg, Germany. phone: 0049 (0)931-31-82455, email: christoph.weiste@uni-wuerzburg.de or visit our web page: https://www.biozentrum.uni-wuerzburg.de/pbio/startseite/.

Recent publications of the research group: Dröge-Laser and Weiste -***Trends in Plant Science*** (2018); Pedrotti, Weiste et al., - ***Plant Cell*** (2018); Dröge-Laser, Snoek, Snel and Weiste - ***Current Opinion in Plant Biology*** (2018); Weiste et al., - ***PlOS Genetics*** (2017); Weiste and Dröge-Laser - ***Nature Communications*** (2014).

The policy of the University of Würzburg is to create **equal opportunities for women and men**. In order to achieve this target, applications from suitably qualified women are particularly welcome. Preference will be given to handicapped applicants with equal qualifications. Please, **submit your complete application (as a single PDF) including names of suitable references** to: christoph.weiste@uni-wuerzburg.de. Review of applications will begin **August 1st, 2018** until the position is filled.