

Founded in 1607, Justus Liebig University Giessen (JLU) is a research university rich in tradition. Inspired by curiosity about the unknown, we enable around 28,000 students and 5,700 employees to advance science for society. Join us in breaking new ground and writing success stories - your own and those of our university.

Support us from January 15<sup>th</sup>, 2023 in full time as a

## **PostDoc (m/f/d) in the field of Silicon in stress tolerance of crop plants**

In accordance with § 2 WissZeitVG and § 72 HessHG, the position is to be filled on a fixed-term basis at the Chair of Plant Nutrition, Department of Plant Nutrition at the Faculty of Agricultural Sciences, Nutritional Sciences, and Environmental Management with the opportunity for own academic qualification. The salary is in accordance with the collective labour agreement of the State of Hessen (E 13 TV-H).

As long as the maximum permissible duration of a fixed-term contract is not exceeded, you will be employed for an initial period of 3 years. An extension for up to another 3 years is possible under the above-mentioned condition.

### **Silicon in stress tolerance of crop plants**

The positive effect of silicon on the stress tolerance of crop plants, especially on cereal crops, is known from many previous studies. However, the underlying mechanisms are not well understood. Your task is to study the effect of silicon on crop stress tolerance with special regard of drought stress. You develop your research together with the team at the Chair of Plant Nutrition and with national and international research partners.

### **Your tasks at a glance**

- Opportunity for own academic and didactic qualification, activities in research and teaching according to § 72 HessHG
- Taking on teaching duties according to the teaching obligation ordinance of the state of Hessen
- Supervision of bachelor and master theses
- Conceptualisation and implementation of experimental research
- Contribution in the acquisition of research grants
- Presentation of research results at scientific meetings and publication in scientific journals

### **Your qualifications and competences**

- Completed PhD degree in crop sciences with focus on plant nutrition or plant physiology (or a similar subject)
- Experience in stress- and ecophysiology of crop plants
- Experience in stress- and ecophysiological methods
- Experience in element or species analysis (ICP-MS, IC, HPLC)
- Excellent knowledge of English (oral and written)
- Experience in scientific publishing
- Good knowledge of German is an asset (teaching)

### **Our offer to you**

- A varied job with flexible working hours
- Free use of local public transport (LandesTicket Hessen)
- More than 100 training seminars, workshops and e-learning opportunities per year for personal development, as well as a wide range of health and sports activities.
- Remuneration according to TV-H, company pension scheme, child allowance and special payments

- Good compatibility of family and career (certificate "audit familiengerechte hochschule")

If you have any further questions, please do not hesitate to contact Prof. Dr. Jakob Santner by e-mail ([Jakob.Santner@agrار.uni-giessen.de](mailto:Jakob.Santner@agrار.uni-giessen.de)).

JLU aims to employ more women in academic research. We therefore particularly encourage female candidates to apply. Due to the women's support plan, there is an obligation to increase the proportion of women. JLU is regarded as a family-friendly university. Applicants with children are very welcome. Applications from disabled people of equal aptitude will be given preference. In general, a division of the position in two part-time positions with 50% of the regular working hours is possible in accordance with the Hessian Equal Opportunities Act.

You want to break new ground with us?

Apply via our [online form](#) by **November 15<sup>th</sup>, 2022**, indicating reference number 656/09. We look forward to receiving your application.