

## Small secreted proteins in maize anther and tassel development

### PhD Position in Plant Development

As part of the Collaborative Research Center SFB924 “*Molecular mechanisms regulating yield and yield stability in plants*” we are seeking a highly motivated PhD student interested in developmental biology. We offer a structured PhD program via our graduate school RIGeL. Salary is in accordance to German TV-L E13.

**The department** of Cell Biology and Plant Biochemistry is located in the new Biology Building of the University of Regensburg that includes among others state-of-the-art plant growth, proteomics and imaging facilities. The vibrant city of Regensburg hosts more than 30,000 students and is known for its UNESCO world heritage, medieval city center.

**The project** aims to study novel small secreted proteins that impact maize anther and tassel development by using the corn smut causing fungus *Ustilago maydis* as a Trojan horse. To do so a broad spectrum of methods will be applied including latest techniques in molecular biology such as CRIPR/cas, biochemistry and various microscopic imaging techniques.

**The successful applicant** will have access to leading-edge facilities and national as well as international collaborations, including training within RIGeL and the SFB924, giving the opportunity to start a strong scientific career. Candidates should have a background in molecular biology and microscopic imaging. Experience with plants, plant pathogens and in biochemistry are desirable but not essential. We are seeking applicants that are enthusiastic for hands-on plant biology, with good communication skills, a MSc in Biology or related discipline and fluent English.

The University of Regensburg is committed to the compatibility of family and career (for more information, please visit [www.uni-regensburg.de/equal-opportunities](http://www.uni-regensburg.de/equal-opportunities)). Preference will be given to people with disabilities in the case of otherwise equal aptitude.

For further information: <http://sfb924.wzw.tum.de>, <http://cell-biology.uni-regensburg.de> and <https://www.rigel-regensburg.de>. Please submit your application documents including a motivation letter as a single PDF to Dr. Karina van der Linde ([karina.van-der-linde@ur.de](mailto:karina.van-der-linde@ur.de)) until September, 30, 2017.