

Small secreted proteins in maize anther and tassel development

PhD Student Position in Plant Development

As part of the Collaborative Research Center [SFB924](#) “*Molecular mechanisms regulating yield and yield stability in plants*” the [van der Linde lab](#) is seeking a highly motivated PhD student interested in plant developmental biology. We offer a structured PhD program via our graduate school [RIGeL](#). Salary is in accordance to German TV-L E13 50-65%, depending on the qualification.

The van der Linde lab is part of the [Department Cell Biology and Plant Biochemistry](#), which 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, RNAseq, *in situ* hybridization, biotechnology, biochemistry and various microscopic imaging techniques.

The successful applicant will have access to leading-edge facilities and national as well as international collaborations via SFB924, including training within the Regensburg Graduate School RIGeL providing ideal conditions 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 <https://www.uni-regensburg.de/equal-opportunities/>).

Preference will be given to people with disabilities in the case of otherwise equal aptitude.

Please submit your application documents including a motivation letter as a single pdf-file to Dr. Karina van der Linde (karina.van-der-linde@ur.de) until **May, 31, 2019**.