

Doctoral student position in

Molecular biology of plants / plant – microbe interactions

for the project

LORE-mediated immunity in Brassicaceae

is available in the Emmy Noether group of Stefanie Ranf at the Chair of Phytopathology at the Technical University of Munich, TUM School of Life Sciences in Freising, close to Munich. Further information on the Ranf lab is available on our webpage (www.ranf.wzw.tum.de).

Plant immune receptors are of great interest for disease resistance engineering and development of sustainable agricultural management practices. The project aims at a mechanistic understanding of the regulation of the immune receptor LORE that senses lipid metabolites of bacteria. The prospective candidate will focus on the investigation of downstream interactors and signalling attenuation of LORE. Most of the work will be performed in the model plants *Arabidopsis thaliana* and *Nicotiana benthamiana*. The project is part of the DFG-funded Collaborative Research Center SFB924 “Molecular mechanisms regulating yield and yield stability in plants” (further information: www.sfb924.wzw.tum.de).

We are looking for a highly-motivated candidate who is able to plan and conduct research independently and accurately after initial training, works well in a team and has a strong interest in molecular plant sciences and plant-microbe interactions. The applicant is required to have a very good master’s degree in biology, biochemistry, or biotechnology. Knowledge of and practical experience in molecular plant sciences are desirable. Good writing and communication skills in English are essential.

We offer an international and scientifically stimulating working environment with focus on molecular plant sciences. More information is available on the webpage of the chair of phytopathology and the SFB924 (www.wzw.tum.de/pp and www.sfb924.wzw.tum.de). Our lab is equipped with state-of-the-art instrumentation for molecular, biochemical and cell biological research and there are core facilities for next generation sequencing, proteomics, and high-end confocal imaging on campus. The salary is according to German income level TV-L E13 (55–65%). The project is grant-funded and will begin as soon as possible. The Technical University of Munich is an equal opportunity employer and particularly welcomes applications from qualified women and individuals with disabilities.

Please send your application (including CV, certificates, one-page motivation letter expressing your interest in and suitability for the project, names of two potential academic referees) as a single composite pdf file by email to stefanie.ranf@wzw.tum.de. Review of applications will start **February 29th 2020** but applications will be accepted until a suitable candidate is found. For questions regarding the PhD project please contact:

Dr. rer. nat. Stefanie Ranf
Technical University of Munich
Chair of Phytopathology
85354 Freising-Weihenstephan
Tel. +49 8161 715626
stefanie.ranf@wzw.tum.de
www.ranf.wzw.tum.de