

## PhD position in

### Molecular biology of plants / microbiology

for the project

### Cell-surface immune sensors – guards of plant microbiota

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. Plant-associated microbiota can improve plant fitness and are therefore of great interest for the development of sustainable agricultural management practices. The project aims at a mechanistic understanding of the role of plant immune receptors in controlling the bacterial phyllosphere microbiome in the model plant *Arabidopsis thaliana*. The prospective candidate will investigate how alterations in expression and tissue distribution of immune receptors impact leaf colonisation with synthetic bacterial communities and plant health. The project is part of the DFG-funded priority programme SPP2125 DECryPT (Deconstruction and Reconstruction of the Plant Microbiota). Further information on the Ranf lab is available on our webpage ([www.ranf.wzw.tum.de](http://www.ranf.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 basic molecular plant sciences and microbiology. The applicant is required to have a very good diploma/master's degree in biology, biochemistry, biotechnology, or microbiology. Knowledge of and practical experience in molecular plant sciences or microbiology are desirable. Good writing and communication skills in English are essential.

We offer an international and scientifically stimulating surrounding with focus on basic molecular plant sciences. Information on the scientific environment is available on the webpage of the chair of phytopathology and the local Collaborative Research Centre SFB924 ([www.wzw.tum.de/pp](http://www.wzw.tum.de/pp) and [sfb924.wzw.tum.de](http://sfb924.wzw.tum.de)). 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 seeks to increase the percentage of employed women and therefore women are explicitly encouraged to apply. Handicapped persons with equivalent qualification will be given preference.

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](mailto:stefanie.ranf@wzw.tum.de). Application deadline is **August 30<sup>th</sup>, 2018** but may be extended until a suitable candidate is found. For questions regarding the PhD project please contact:

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