

PhD position in

Molecular biology and biochemistry of plants / phytopathology

for the project

Functions of lipopolysaccharide in plant-bacteria interactions

is available in the group of Stefanie Ranf at the Chair of Phytopathology at the Technical University of Munich, TUM School of Life Sciences. The project aims at a mechanistic understanding of the multifaceted role of bacterial cell wall lipopolysaccharide in bacterial pathogenesis in plants. The prospective candidate will investigate the impact of structural alterations of lipopolysaccharide on bacterial virulence and perception through the plant immune system in plants in frame of an Emmy Noether project (German Research Foundation). Further information on the Ranf lab is available on our webpage (www.ranf.wzw.tum.de). The project combines plant biochemistry/pathology and microbiology, and offers a wide methodological spectrum in molecular biology, biochemistry and genetics in both fields.

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. 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. Further information is available on the webpage of the chair of phytopathology and the local Collaborative Research Centre SFB924 (www.wzw.tum.de/pp and 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. Applications should be sent as soon as possible but not later than **December 11th, 2017**. For questions regarding the PhD project please contact:

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