Philipps Universität Marburg

At the **Faculty of Biology**, Molecular Plant Physiology, the research group of Prof. Dr. Lars Voll offers one **position** for a

Research Assistant
(PhD student).

The position is offered for a period of 3 years, if no former times of qualification must be considered. The starting date is as soon as possible. The position is part-time (**50 %** of regular working hours) with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13, 50 %). Scientific services belong to the duties in research and teaching.

Project: Plant pathogens have to overcome several lines of defence to successfully infect a host plant. Plant cell walls represent a physical barrier against penetration by fungal pathogens and the cell wall structure critically influences infection success. In addition, perception of cell wall damage leads to the activation of intracellular signalling pathways that communicate with defence signalling. Recently, we identified several genes that are involved in both cell wall damage responses and plant-pathogen interaction. The successful applicant will use genetic, biochemical and cell biology techniques to elucidate the functions selected candidate genes fulfil in both processes.

References to the project under: https://doi.org/10.1186/s12870-019-1934-4, https://stke.sciencemag.org/content/11/536/eaao3070 and https://doi.org/10.1093/jxb/erw434.

The position is limited to a time period deemed adequate for the completion of a doctoral degree. As part of the assigned duties, there will be ample opportunity to conduct the independent scientific research necessary for the completion of a doctorate. The limitation complies to § 2, 1 WissZeitVG.

The successful applicant will hold an MSc-degree or equivalent with a focus on molecular biology, genetics, biochemistry, cell biology or plant physiology and have good knowledge of work with nucleic acids and molecular cloning. Previous experience in confocal laser-scanning microscopy, plant-pathogen interaction or analysis of RNA-Seq data is of advantage. Further requirements include a creative, analytical and critical mindset, the ability to work independently and to further develop the project. The willingness to obtain further scientific qualification, i.e. to obtain a PhD degree, is expected.

Further information is available from Dr. Timo Engelsdorf via timo.engelsdorf@biologie.uni-marburg.de.

The Philipps-University Marburg supports the professional development of early career researchers e.g. through courses and workshops offered by the Marburg Research Academy (MARA), the International Office and members of the institute for teaching and human development.

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualification. Applicants with children are welcome – Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualification. Application and interview costs cannot be refunded.

Please send your application as a single PDF mentioning the registration number fb17-0017-wmz-2020 to Alexandra Emde-Syborg (alexandra.emdesyborg@biologie.uni-marburg.de). Deadline is March, 27th 2020.