External Job Announcement Reg.-Nr. 5-2223/25-D

The Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences I, as part of the DFG-funded Research Training Group 2498 "Communication and Dynamics of Plant Cell Compartments", a position is to be filled from 01.07.2025 until 30.06.2028 by a

PhD position (m/f/d)

in part time (65%).

The salary will be according to Entgeltgruppe 13 TV-L, depending on the assigned tasks and indicidual qualifiactions.

Tasks:

The Research Training Group 2498 "Communication and Dynamics of Plant Cell Compartments" is a structured PhD program funded by the "Deutsche Forschungsgemeinschaft" (DFG). The RTG 2498 brings together groups from different contributing institutes at the Martin Luther University Halle Wittenberg and the associated Leibniz Institute of Plant Biochemistry (IPB), providing graduate students a stimulating and interdisciplinary scientific environment with access to diverse methodological and instrumental competencies. The institutions are all located at Halle's Weinberg Campus, the second largest science campus in East Germany, which houses most of the university's natural sciences as well as several research institutes and approx. 80 biotechnology companies.

- Conduct research on alternative mRNA isoforms within the framework of the RTG2498 subproject P13 "Alternative mRNA isoforms generated in the nucleus as a source for organellar adaptation to stress"
- Identify stress-induced alternative mRNA isoforms using direct RNA sequencing (Oxford Nanopore) and CAGE-seq data
- Investigate the subcellular localization of proteins encoded by alternative mRNA isoforms using fluorescence-based imaging approaches
- Generate and analyze transgenic Arabidopsis plants (overexpression, CRISPR, T-DNA lines) to study functional roles of alternative isoforms under stress conditions
- Presentation and publication of scientific data

The opportunity to obtain your own academic qualification as part of a doctorate is given.

Requirements:

- Completed scientific university degree in biology, biochemistry or a related field Enthusiasm for molecular plant biology and RNA-based gene regulation
- Expertise and/or motivation to learn and apply molecular biology techniques, including cloning, RNA analysis and fluorescence microscopy
- Strong communication skills and the ability to collaborate in an interdisciplinary research environment
- Excellent English language skills (written and spoken)
- High motivation to work in a cooperative manner within the RTG

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualification. Women are particularly encouraged to apply. Applicants with a foreign qualification

have to show the statement of comparability for foreign higher education qualifications issued by Central Office for Foreign Education|Zentralstelle für ausländisches Bildungswesen (https://www.kmk.org/zab/central-office-for-foreign-education).

If you have any project-related questions, please contact Prof. Dr. Sascha Laubinger, Tel.: 0345 55-26300, email: sascha.laubinger@genetik.uni-halle.de. For any inquiries regarding the application process, please contact the coordinator of the RTG 2498 (Kristin Leimer, Tel.: +49 345 55-24834, email: kristin.leimer@biochemtech.uni-halle.de).

For your application, please use the online application form at: https://rtg2498.uni-halle.de/application_2025/. The deadline for the submission is 17.03.2025

This call for applications is subject to possible budgetary restrictions.

Application costs will not be reimbursed by Martin Luther University. Only applications submitted via the application web form (https://rtg2498.uni-halle.de/application_2025/) can be accepted.