

**iDiv**German Centre for Integrative
Biodiversity Research (iDiv)
Halle-Jena-Leipzig**External Job Announcement****Reg.-Nr. 4-4760/22-D**

The Martin Luther University Halle-Wittenberg, in cooperation with the German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, offers the following position, **starting from 1 October 2022** or at the earliest opportunity and limited to 30 September 2024:

Postdoctoral Researcher – Plant-microbiome interaction (m/f/d)

as full-time employment (100%).

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled. The workplace will be in Halle (Saale) in the research group of Prof. Marcel Quint.

The project:

The **German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig** is a National Research Centre funded by the German Research Foundation (DFG). Its central mission is to promote theory-driven synthesis and data-driven theory in integrative biodiversity research. It is located in the city of Leipzig and it is a central institution of the Leipzig University, jointly hosted by the Martin Luther University Halle-Wittenberg (MLU), the Friedrich Schiller University Jena and the Helmholtz Centre for Environmental Research (UFZ). More information about iDiv: www.idiv.de.

This position is affiliated with the **Thermomorphogenesis research group** of Prof. Marcel Quint at MLU Halle. The lab aims to understand how plant growth and its interaction with the environment are affected by elevated ambient temperatures in a global warming scenario. The Postdoc will investigate the interaction of plant morphology and plant physiology of selected ecotypes from the model plant *Arabidopsis thaliana* and their root microbiomes in response to a warming climate. For more information, please visit our lab website: <https://quintlab.landw.uni-halle.de>

Tasks:

- Identify natural habitats with different average temperature regimes in northern and southern Europe
- Collect plant and soil material from these habitats during flowering time in the spring of 2023
- Reciprocal planting experiments in pots in growth chambers with automated image-based phenotyping of shoot morphology
- Sample root microbiomes and characterize microbiome community composition across ecotypes, soils, temperatures, and time by DNA fingerprinting
- Analyse the generated data for interaction of plant morphology x microbiome x temperature over time

Requirements:

- Scientific University degree (Diploma/ M.Sc.) in biology, ecology, or a related field
- Doctoral degree (PhD) in plant biology, ecology, or a related discipline
- Excellent scientific publication record
- Trained in identifying and sampling field plants
- Basic expertise in biostatistics, bioinformatics, and data analysis
- Practical skills in DNA/RNA preparation and R programming are a plus
- Motivated to work in an interdisciplinary team as well as the capability to work independently





We offer:

- Work in a dynamic, international, and interdisciplinary environment
- Opportunities to develop and advance scientific networks
- Flexible working hours and a family-friendly working environment
- Participation in our iDiv postdoc career support programme
- Extensive collaborations with iDiv research groups focussing on plant ecology, microbial diversity, and bio-informatics

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply. Applicants with a degree that was not obtained at a German higher education institution must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen) to prove equivalence.

Queries concerning the application process should be directed to flexpool@idiv.de. For project-related questions, please contact Prof. Marcel Quint (marcel.quint@landw.uni-halle.de).

Please submit your full application dossier only in English with registration number 4-4760/22-D until **9 June 2022**. Applications should be submitted via our iDiv application portal at <https://apply.idiv.de>. Applications should include motivation letter tailored to the research project, curriculum vitae, a digital copy of Master's degree/Diploma as well as PhD, publication record and recommendation letters from two scientific references.

iDiv is committed to establishing and maintaining a diverse and inclusive community that collectively supports and implements our mission to do great science. We will welcome, recruit, develop, and advance talented staff from diverse genders and backgrounds.

