

The UFZ has a strong commitment to **diversity** and actively supports **equal opportunities** for all employees regardless of their origin, religion, ideology, disability, age or sexual identity. We look forward to applications from people who are open-minded and enjoy working in diverse teams.

**Your contact for any questions you may have about the job:**

Mika Tarkka  
mika.tarkka@ufz.de

Please submit your application via our online portal with your cover letter, CV (please omit your photo, age, or marital status) and relevant attachments.

**Closing date for applications:**  
15.07.2022

**Place of work:** Halle (Saale)

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz association. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

## PhD position (f/m/x) Topic: "Spatial and temporal analysis of maize root gene expression to elucidate how the maize interacts with the rhizosphere microbiome and the environment"

65% working time (25,35 h/week), start date September 1st, 2022 limited to 3 years

### Your tasks:

- Isolating RNA from maize roots, as well as the analysis of Illumina RNA sequencing and Biomark RT-qPCR array data, also in combination with data from collaborating projects
- Conducting root microscopical analyses, and installing and operating soil based microcosm experiments
- Preparing manuscripts and participating in training courses, workshops and conferences

### Your profile:

- Diploma or M.Sc. in biology, biochemistry, bioinformatics, or related sciences
- Trained in sampling and analysis of gene expression or microbiome data, in bioinformatics or biostatistics
- Experience in conducting experiments
- Practical skills with cDNA preparation, RNA sequencing, microscopy and R programming are a plus
- Highly motivated candidate who is excited to work in an interdisciplinary team
- Interested to integrate information in an interdisciplinary project
- Capability to work independently
- Good written and oral communication skills in English are necessary

### We offer:

- Top level interdisciplinary research at a research centre which enjoys an excellent reputation within Germany as well as internationally
- Excellent technical facilities
- Work in inter-disciplinary and multinational teams
- Excellent links to national and international research networks
- Support and optimal training courses by our graduate school (HIGRADE)
- Remuneration in accordance with the TVöD public-sector pay grade 13 (65%)

More information about jobs at the UFZ:

[www.ufz.de/career](http://www.ufz.de/career)