



Scientist (f/m/x) Data Integration and Synthesis

Apply now

Place of work

Halle (Saale)

Working time

100 % (39h / week)

Contract limitations

limited contract / 31.12.2024 extension beyond this time is possible

Salary

Remuneration according to the TVöD public-sector up to pay grade 13 including attractive public-sector social security benefits.

Contact

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

Prof. Dr. Doris Vetterlein
Helmholtz Centre for Environmental Research - UFZ
Theodor-Lieser-Str. 4
06120 Halle/Saale
Tel. 0345/558 5415
e-mail doris.vetterlein@ufz.de

The UFZ

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.

The job

Within the Department of Soil System Science and especially the DFG funded priority programme (PP) „Rhizosphere spatiotemporal organisation – a key to rhizosphere functions“ (<https://www.ufz.de/spp-rhizosphere/>) we are seeking for a motivated scientist (f/m/x) for supporting our research in data integration and synthesis. The overarching goal is to identify spatiotemporal patterns of biological, chemical and physical parameters in soil and the rhizosphere; the mechanisms responsible for their development and their relevance for plant resource acquisition, plant health, soil carbon sequestration and soil structure development. Time series analyses (5 years of field data), as well as the integration of data sets of different depth/structure (sensor data, microbiome, gene expression, root characteristics) are required for the 2-factorial Central Field Trial in the PP and a other experiments under controlled conditions. Accompanying the evaluation of experiments, appropriate meta-analyses are also envisaged.

Your tasks

Support in data integration and synthesis, in particular in:

- Analysis of coupled soil sensor, microbiome, root gene expression and morphology data from maize field and pot experiments using multi-variate fusion and integration techniques
- Support in statistical evaluation of our data
- Conceptual work, synthesis
- Initiating and writing of integrated publications and meta-analyses

We offer

- Excellent technical facilities which are without parallel
- The freedom you need to bridge the difficult gap between basic research and close to being ready for application
- Work in inter-disciplinary, multinational teams and excellent links with national and international research networks
- A vibrant region with a high quality of life and a wide cultural offering for a balance between family and professional life
- Interesting career opportunities and an extensive range of training and further education courses

Your profile

- Strong background in multi-variate statistics and/or data analysis for one or more of the above-mentioned data sources, including use of R
- Skilled in scientific writing
- PhD related to rhizosphere or root research, soil science, plant physiology or microbiology or statistical evaluations related to those topics
- Very good communication & English writing skills
- Ability to work independently and motivated to work in an interdisciplinary team

Apply now

Application deadline: 17.02.2023

Diversity and Inclusion

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.

Important

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

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More information about jobs at the UFZ:

www.ufz.de/career