



FAMILIE IN DER HOCHSCHULE



Ruhr-Universität Bochum (RUB) is one of Germany's leading research universities, addressing the full range of academic disciplines. A highly dynamic setting enables researchers and students to work across the traditional boundaries of academic subjects and faculties. To create knowledge networks within and beyond the university is RUB's declared aim.

The Chair of **Molecular Genetics and Physiology of Plants** (Prof. Dr. Ute Krämer) in the Faculty of Biology and Biotechnology of the Ruhr University Bochum combines genome-based with molecular-mechanistic approaches to study acclimation and evolutionary adaptation in the interaction of plants with their local environment. One major focus of our work is on the processing and integration of quantitative biological data from modern high-throughput approaches for gaining new insights into biological responses to environmental change. A major task in our research group is the integration of different systems level analyses and existing knowledge into models that can be experimentally verified. Our goal is to generate knowledge by combining work in the natural habitat of plants, field trials and experiments under standardized conditions, as well as investigations at the ecological, organismic, cellular and molecular levels.

In this department, a full-time position (one-year contract, 100% E13) is available, starting at the earliest possible date (and no later than 01/2023):

Research associate (m/f/d) „Data Steward“

**at the Chair of Molecular Genetics and Physiology of Plants, Professor Dr. Ute Krämer
Ruhr University Bochum
(please apply now or until 31st October 2022, “ANR 1093”)**

Our research topic:

The consortium DataPLANT develops innovative solutions for research data management in plant biology within the framework of the National Research Data Infrastructure (NFDI). The consortium is headed by the University of Kaiserslautern, the Albert-Ludwigs-University of Freiburg, the Eberhard-Karls-University of Tübingen and the Research Centre Jülich, with integration a number of partners who generate large amounts of research data. In particular, the focus is on automated solutions for the handling of research data as well as their annotation, processing and visualization. The main goal is to design such solutions, also within the framework of software tools, tailored to plant biological processes. A major challenge is the very large amounts of data that have to be processed in everyday research. The employment contract will be issued by TU Kaiserslautern, but the place of work will be in the office at Ruhr University Bochum (100%)

Your tasks are:

- Design and implementation of research data management processes within the framework of the National Research Data Infrastructure DataPLANT.
- Implementation of subject-specific terminologies, ontologies and metadata schemes as well as administration of metadata (from nucleotide sequencing/NGS and chemical analysis) from pre-existing experiments in compliance with FAIR criteria
- Presentation at national and international congresses
- Publication in international journals
- Support and supervision of lectures, courses and workshops on research data management and/or data science

Your requirements are:

- Doctoral degree in the field of quantitative biology, bioinformatics, computer science, or a related quantitative research discipline
- Experience in processing large datasets using scientific software tools and/or corresponding programming skills (e.g. Python, F#/C#, R)
- Experience in supervision and teaching is advantageous
- Independent, responsible, cooperative and committed working style
- Strong interest in interdisciplinary research
- Very good written and spoken English skills

We offer:

- Diverse and exciting tasks in current plant research and research data management
- Opportunity to carry out and design different research projects as part of an open-minded and highly motivated research team (www.rub.de/mgpp/kraemer.html)
- Salary according to the payment scheme of the public service agreement of the state (E 13 TV-L)
- Additional pension plan (VBL)
- Discounted ticket for public transport (job ticket)
- Employer's internal health management
- Versatile and diversified activities in a pleasant working atmosphere of a dedicated and diverse team (www.rub.de/mgpp/kraemer.html; ORCID 0000-0001-7870-4508)

Your convincing application should be addressed to (preferably by E-Mail):

Ruhr University Bochum
Faculty of Biology und Biotechnology
Chair of Molecular Genetics and Physiology of Plants
Universitätsstraße 150, Box 44, ND3/30
44801 Bochum

E-Mail: Ute.Kraemer@ruhr-uni-bochum.de, and additionally mgpp@rub.de

Please address any questions to: Prof. Dr. Ute Krämer (E-Mail: Ute.Kraemer@ruhr-uni-bochum.de).

Additional notes for this job posting

- The employment contract will be issued by TU Kaiserslautern, but the place of work will be in the office at Ruhr University Bochum (100%)
- TU Kaiserslautern encourages qualified, explicitly also female, academics to apply
- Applicants with children are welcome

- Severely disabled people will be favored given adequate qualifications (please include the corresponding documentation in your application in this case)
- Applications will be considered irrespective of the age of the applicant
- Part-time employment is possible on this position in general
- Please submit only uncertified copies of documents and do not use folders or transparencies, as they will not be returned to applicants for reasons of cost
- In your electronic application/application by Email, please submit only a single PDF file
- After the position is filled, all material/files submitted by unsuccessful applicants will be destroyed/deleted in accordance with privacy laws
- No reimbursement is possible of costs incurred in connection with applications or interviews
- We will not confirm the receipt of your application
- With your application you agree to subsequent internal processing of your data for official purposes in accordance with the European Data Protection Law (DS-GVO) and the Data Protection Law of the German states Rhineland Palatinate and North Rhine-Westphalia