Data is the new resource of the 21st century and data availability seems endless. Would you like to establish part of the data relationship lifecycle for plant science? Then the division of Bioinformatics IBG-4 at the Institute of Bio- and Geosciences at Research Centre Juelich is the right place for you. The IBG-4 works on and develops methods and algorithms to achieve a fundamental understanding, especially of high-dimensional data and processes in the bio-economy. The IBG-4 focuses on knowledge management and research data integration.

The institute is part of the national infrastructure for plant research data DataPLANT, which is currently under construction and will allow sustainable storage and access to plant data. Here, the institute is concerted on the standardisation and development of ontologies in collaboration with international teams.

We are looking to recruit a

**Research associate from the field of Data Science**

**Your Job:**
- You will work in the NFDI consortium DataPLANT on the definition of standards (data matrices, biological parameters, environmental conditions, etc.) and their establishment in the field of scientific evaluation and processing of omics data
- You will work on the development of efficient standardisation with regard to data quality control and compatibility of data and workflows
- You will present the scientific results at project meetings and international conferences and publish them in high-ranking scientific journals

**Your Profile:**
- PhD in Data Science and/or plant or similar with relevant and proven experience in the field
- Strong communication and teamwork skills
- Experience with biological and plant science ontologies as well as with standards from the plant community such as MIAPPE
Experience in ontology development / controlled vocabularies as well as data curation
Experience with data management and with the analysis and integration of high throughput data such as next generation sequencing, metabolite profiling and phenomics data in the field of plant or natural sciences are an advantage
Experience in javascript, SQL, R and/or Python/Perl is a plus
Excellent German and English skills, both written and spoken

Our Offer:
We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with:
• A large research campus with green spaces, offering the best possible means for networking with colleagues and pursuing sports alongside work
• Interdisciplinary Data Science and applied bioinformatics in a highly productive research project
• Extensive further training offer
• A wide range of offers for combining work and family
• Flexible working hours, the option of job sharing, and 30 days of annual leave
• Targeted services for international employees, e.g. through our International Advisory Service

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially for a fixed term of 3,5 years, with possible long-term prospects. Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD). Depending on the applicant’s qualifications and the precise nature of the tasks, salary grade 13 TVöD-Bund.

Forschungszentrum Jülich promotes equal opportunities and diversity in its employment relations.
We also welcome applications from disabled persons.