



Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 7,500 employees in one of Europe's biggest research centres and help us to shape change!

Data is the new resource of the 21st century, and its availability seems boundless. If you're passionate about contributing to the establishment of a crucial segment in the data relationship life cycle for plant science, we invite you to join the Omics-/Database-based Bioinformatics institute division (IBG-4) at the Institute of Bio- and Geosciences at Forschungszentrum Jülich. IBG-4 specializes in data integration, classical bioinformatics, data science, and machine learning.

The offered position will focus on the ELN-RO project, which has the aim to establish seamless interoperability between Electronic Lab Notebooks and Research Object-Crates (<https://helmholtz-metadaten.de/de/inf-projects/elnro>). The project will be embedded in collaborations with several projects focused on the development of databases, software, tools, and services for research data management, such as DataPLANT, FAIRagro and MibiNet.

We are looking to recruit a

Research Associate - Data management and software development

Your Job:

- You will work on the development of (meta)data extraction tools from electronic lab notebooks
- You will create tools for data transformation and integration from electronic lab notebooks to standardized data containers (e.g., RO-Crates)
- You will be involved in the maintenance of other tools from the field of research data management (e.g., Data Management Plan Generator, Ontology Curation Tools)
- You will collaborate closely with domain scientists to ensure that the developed tools and models align with real-world scientific workflows in plant sciences and chemistry, and demonstrate their application in concrete scientific use cases
- You will present the scientific results at project meetings and international conferences and publish them in scientific journals

Your Profile:

We look forward to receiving your application until 29.06.2025 via our **Online-Recruitment-System!**

Questions about the vacancy?

Get in touch with us by using **our contact form**.

Please note that for technical reasons we cannot accept applications via email.
www.fz-juelich.de

- Master's Degree or PhD in data science or bioinformatics with strong experience in software development for front-end and back-end solutions and research data management
- Knowledge in programming languages (Python, HTML and JavaScript)
- Profound knowledge and experience with data managements topics such as Electronic Lab Notebooks, ontologies, data containers, FAIR data, etc.
- Knowledge and experience in ontology development / controlled vocabularies as well as data curation is advantageous
- Structured and analytical thinking as well as a systematic, careful working method
- Willingness to complement and collaborate with existing research units at the research center
- Excellent English skills, both written and spoken
- Working knowledge of German is a plus

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
- Full-time position with the option of slightly reduced working hours and 30 days of annual leave
- Targeted services for international employees, e.g. through our International Advisory Service

In addition to exciting tasks and a collaborative working atmosphere at Jülich, we have a lot more to offer:

<https://go.fzj.de/benefits>

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is for a fixed term of 2 years, with possible long-term prospects. Salary and social benefits will conform to the provisions of the Collective Agreement for the Public Service (TVöD-Bund), pay group 13, depending on the applicant's qualifications and the precise nature of the tasks assigned to them. All information about the Collective Agreement for the Public Service (TVöD-Bund) can be found on the BMI website: <https://go.fzj.de/bmi.tvloed> . The monthly salaries in euros can be found on page 66 of the PDF download.

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.

Further information on diversity and equal opportunities: <https://go.fzj.de/equality>