



Data and IT Manager for Omics Data (f/m/x)

Institute for Genetics (IfG) and the Cluster of Excellence for Aging Research (CECAD)

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

The Poetsch Group is looking for a Data and IT manager (f/m/x) to support the team in the study of genomes and how they change with aging and in cancer development. The position strongly focuses on the collaborative development of data analysis infrastructure on high-performance computing with Omics data.

YOUR TASKS

- » Design and implement standardized folder hierarchies and naming conventions across HPC storage systems
- » Collaborative implementation of standard operating procedures for data analysis, software engineering and data analysis pipelines, including for machine learning and deep learning
- » Develop and maintain metadata schemas to enable efficient data discovery, retrieval and data lifecycle management
- » Create and enforce data organization policies and best practices for research teams
- » Implement quota management and work with users to optimize storage efficiency
- » Provide guidance to researchers on data organization best practices
- » Develop documentation, templates, and standard operating procedures

YOUR PROFILE

- » Bachelor's or Master's degree in Computer Science, Bioinformatics or a field of study related to IT
- » Strong experience with Linux/Unix command-line environments
- » Familiarity with HPC storage architectures and parallel file systems
- » Strong attention to detail and systematic approach to data classification
- » Understanding of scientific research workflows and data types
- » Excellent communication skills in order to work with diverse technical and non-technical users
- » Proficiency in Python and R for data analysis
- » Familiarity with tools like samtools and Nextflow

- » Very good interpersonal and communication skills; in particular, the ability to effectively work in a diverse, collaborative and interdisciplinary research environment
- » Excellent written and spoken English skills are an essential requirement

WE OFFER

- » Opportunity to receive training cutting-edge bioinformatics methods, including deep learning on genomics data
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available from 01.07.2026 or at the earliest possible time on a full-time basis (39,83 hours per week). It is a permanent position. If the applicant meets the relevant wage requirements and personal qualifications, the salary will be based on remuneration group II TV-L of the pay scale for the German public sector.

Please apply online in English with proof of the required qualifications and a motivation letter (without a photo) under: <https://jobportal.uni-koeln.de>. The reference number is TUV2605-02. The application deadline is 04.06.2026. For further inquiries, please contact Professor Dr Anna Poetsch (apoetsch@uni-koeln.de) and take a look at our [FAQs](#).

