



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Biomedical Data Manager (f/m/x)

Institute for Genetics (IfG) and the Cologne Cluster of Excellence on Aging and Aging-associated Diseases (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 Biomedical Data Manager (f/m/x) to support the team in its research on genomes and their changes with age, as well as on the development of cancer. The position focuses on the collaborative development of an infrastructure and workflow for data analysis and the application of machine learning to a wide range of datasets on somatic mutagenesis.

YOUR TASKS

- » Designing and implementing standardized folder hierarchies and naming conventions across HPC storage systems
- » Development of metadata schemas to enable efficient data collection, retrieval, and data lifecycle management for large quantities of data
- » Collaborative implementation of standard operating procedures for the analysis of genomic data, including the application of machine learning and deep learning
- » Development and implementation of guidelines for the organization of personally sensitive data and best practices for research teams
- » Implementation of research projects in the field of somatic mutagenesis and collaboration with researchers
- » Advising Researchers on best practices for data organization
- » Developing documentation, templates, and standard operating procedures

YOUR PROFILE

- » Bachelor's or Master's degree in bioinformatics, bioengineering, genetics, or a related field
- » 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
- » An understanding of scientific research processes in genetics, data types in genomics, and the correspondingly large volumes of data
- » Excellent communication skills to work with diverse technical and non-technical users
- » Proficiency in Python and R for data analysis
- » Experience with machine learning would be advantageous

- » 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 in cutting-edge methods in bioinformatics, using also 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 at the earliest possible time on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term for 24 months. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 11 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 TUV2609-01. The application deadline is 01 October 2026.

For further inquiries, please contact Professor Dr Anna Poetsch (apoetsch@uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH