



Staff scientist (m/f/d) for bioinformatics (NGS 'long-read' technology)

The West German Genome Center of the Heinrich-Heine University of Düsseldorf is expanding in the field of long-read sequencing and is now seeking a bioinformatics staff scientist to lead and develop our long-read analysis capabilities and efforts.

The aim of the role is two-fold: (i) firstly, develop, support and apply production-level genomic analysis pipelines for established applications like de novo assembly, structural variant detection and metagenomic profiling; (ii) secondly, participate in ongoing scientific projects and contribute to the development of novel analytical and scientific approaches based on long reads.

This position offers the opportunity to play a key role in the implementation of cutting-edge genomics as part of a small, interdisciplinary and highly collaborative team. Our projects span the tree of life, often concerning applications in human, microbial and plant genomics. We employ the whole range of modern long-read technologies (Pacific Biosciences, Oxford Nanopore) to serve our own and our collaborators' needs. Long-read sequencing is a strategic priority of our organization.

Key responsibilities:

- Development and maintenance of pipelines for the analysis of genomic data.
- Analysis of genomic data.
- Communication with internal and external stakeholders, for example concerning questions of technology, study design or data analysis.
- Participation in research projects.
- Participation in the development of innovative analytical or scientific approaches.
- Active participation within the bioinformatics network of the WGGC.

Your profile:

- Strong and proven programming skills in scripting languages, e.g. R, Python or Perl.
- Proven experience in genomics or bioinformatics.
- Proven experience of analyzing genome-scale data sets in a scientific context.
- The ability to summarize and visualize complex datasets to look for patterns or potential biases through detailed analysis.
- The ability to discuss and explain complex ideas to both specialists and non-specialists.
- You are excited by the scientific and medical potential of genomics and like taking the lead on complex and challenging tasks.

We offer:

- The opportunity to work on cutting-edge genomics projects in a research setting.
- A results-focused, collaborative and flexible culture.
- A competitive academic salary and benefits.

This is initially a full-time fixed-term appointment for 3 years, remuneration according to TV-L 14. Please send your complete application (cover/motivation letter, CV, certificates, and names of two reference persons) to Prof. Dr. Karl Köhrer (Karl.Koehrer@uni-duesseldorf.de) as a single PDF document.

The University of Düsseldorf is an equal opportunities employer. Applications of women are thus especially encouraged; applications of disabled persons will be given preferential treatment to those of other candidates with equal qualifications.

For questions and informal enquiries please contact Dr. Karl Köhrer (Genomics & Transcriptomics Laboratory, Karl.Koehrer@uni-duesseldorf.de) or Dr. Alexander Diltthey (Institute of Medical Microbiology and Hospital Hygiene, Alexander.Diltthey@med.uni-duesseldorf.de).

When sending an application, the applicant agrees that the application will be the property of the university clinic Düsseldorf and will, due to costs, not be returned to the applicant.

Please apply within two weeks of the publication of this job posting via mail using the following address:

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