

We are looking to support our rapidly growing team as soon as possible:

- Bioinformatician / Computational Biologist (f/m/x)

Kinderklinik - Department of Experimental Pediatric Oncology

TV-L: 38,5 h/week (100%)

limited for 3 years according to WissZeitVG within the framework of a third-party funded project

Your salary will be based on TV-L

Your tasks

We are looking for a talented and motivated Bioinformatician/Computational Biologist/Computer Scientist with a strong interest in genomics and biology of pediatric cancer. The candidate will be involved in the analysis and interpretation of large-scale next-generation sequencing datasets from pediatric tumor samples. In addition, the candidate will contribute to the development and implementation of computational workflows and analysis pipelines for high-throughput genomic data and participate in the integration of different molecular data types. Particular emphasis will be placed on the analysis of single cell sequencing data and spatially resolved transcriptomics data to investigate tumor heterogeneity and tumor microenvironment interactions in neuroblastoma and related pediatric malignancies. Beyond computational analyses, the candidate will contribute to data interpretation, visualization, and the development of novel analytical concepts for the study of complex cancer genomic datasets. The position includes close collaboration with experimental and clinical researchers and will involve close interaction with the Department of Translational Genomics.

Your profile

The position requires a university degree in a relevant

Your future with us

We are one of the leading university hospitals in Germany and network research, teaching and health care at the highest level. That's why many things are a lot bigger for us: the spectrum of exciting development opportunities. The limitless openness with which specialists from all over the world work together here. Or our commitment as an employer to support all employees as best we can in reconciling their job with their goals and life situations.

This is the University Hospital of Cologne: Everything but ordinary.

Your future in detail

We are one of the leading university hospitals in Germany and combine cutting-edge research with clinical excellence. The Department of Experimental Pediatric Oncology provides a dynamic and highly collaborative research environment with strong connections between
basic science, genomics, and clinical oncology. The successful candidate will work in the group of PD Dr. Carolina Rosswog, embedded in the Department of Experimental Pediatric Oncology led by Prof. Matthias Fischer. The candidate will collaborate closely with Bioinformaticians from the Department of Experimental Pediatric Oncology and from the group of Prof. Martin

field, such as bioinformatics, computational biology, computer science, mathematics, physics, or a related discipline. Preferably, applicants hold an advanced degree (Master of Science or Ph.D.), although candidates with a Bachelor's degree and substantial relevant research experience will also be considered. Applicants should have strong experience in the analysis of highthroughput sequencing data, particularly genomic and transcriptomic datasets. Solid programming and data analysis skills, preferably C++, R and/or Python, are expected, as well as experience working with large-scale biological data. A genuine interest in cancer biology and pediatric oncology research is essential. Experience with spatial transcriptomics or related spatial genomics technologies is highly desirable. Candidates should have good communication skills and be able to drive scientific projects with a high degree of independence.

Peifer from the Department of Translational Genomics. The University Hospital Cologne provides access to state-of-the-art genomics technologies, computational infrastructure, and interdisciplinary research networks.

Our offer

- **Everything but ordinary:** You can expect a secure job in a challenging, innovative environment – including company pension schemes and regular working hours without business trips.
- **Work-life balance:** Whether full-time or part-time, with or without children – with numerous support options, we will find the right path together.
- **Team spirit in R(h)ine culture:** You will be warmly welcomed by an interdisciplinary team that values mutual respect and helpfulness.
- **Strong perspectives:** We offer extensive training opportunities – so you can continuously grow and set new goals.

People with disabilities are welcome to apply and will be treated preferentially in the event of equal suitability and qualification. The position is suitable for staffing with part-time employees.

Contact

PD Dr. Carolina Rosswog

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Geschäftsbereich Personal
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Uniklinik Köln Karriere

Application deadline: 20.09.2026

Job-ID: 7087nqg8

apply now

We look forward to receiving your application and getting to know you!