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

Research Associate or PhD student or Postdoc (f/m/x)

Pathologie

TV-L: 25 h/week (64,94%)

limited for 3 years according to WissZeitVG (Third-party funded project)

Your salary will be based on TV-L

Your tasks

- Development and application of integrative/multimodal machine learning algorithms to analysis of digitized pathological images, multiplexed and molecular data

Your profile

- Completed university education in computer/data sciences, physics, mathematics, bioinformatics, biomedical sciences or similar subject
- Experience with development and implementation of modern machine learning technologies for computer vision and molecular data analysis
- Good knowledge of Python is a pre-requisite
- Previous projects in medical domain would be a plus
- Good team and communication skills, ability to work independently

Our offer

- We provide and have access to numerous high-quality annotated and non-annotated pathology image datasets
- Working within highly clinically relevant research projects
- Computational hardware infrastructure
- Integration with other AI research teams of the

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

Tolkach Lab is a computational pathology/oncology research group at the University Hospital Cologne (www.tolklab.de). We are located in the Institute of Pathology and tightly associated with different other departments and research groups on the campus of the University. The main research directions of the lab are AI-based diagnostic, prognostic, and predictive tools for pathology and oncology, multi-modal data integration, and studies of intratumoral heterogeneity and cancer evolution.

University Clinic Cologne and experience of working back-to-back with clinical specialists
- Working in one of the most beautiful and vibrant cities of Germany

People with disabilities are welcome to apply and will be treated preferentially in the event of equal suitability and qualification.

Contact

Priv.-Doz. Dr. Iurii Tolkach

Tel.: +49 221 478-6365

Universitätsklinikum Köln AöR
Geschäftsbereich Personal
Kerpener Str. 62
50937 Köln

Uniklinik Köln Karriere

Application deadline: 22.02.2026

Job-ID: c91iore1

apply now

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