

Job Vacancy

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 30 clinics, 27 institutes and specialized centers. The over 8.000 employees offer medical care with state-of-the art diagnostics and therapies, which meet highest international standards. Patient care is connected with basic and translational research at an internationally competitive level.

Research Associate (f/m/d)

(pay grade: EG 13 TV-L)

Work Area: Institute for Artificial Intelligence in Medicine (IKIM), RG Applied Tumor Bioinformatics

Job ID: 13792

Start Date: 01.10.2026

Work Scope: Full-Time / 38,5 hours per week

Contract Type: limited

Contract duration: 36 months; in accordance with §2 (1) WissZeitVG for qualification goal promotion

Your tasks:

- Opportunity to conduct high-level interdisciplinary research within the newly established DFG-funded Collaborative Research Centre CRC/SFB 1752 "DYNAMO – Immediate Tumor Dynamics in Melanoma Therapy", investigating the earliest mechanisms of therapy resistance in melanoma during the first days and weeks after therapy initiation ("DYNAMO Window"); further information: <https://www.uni-due.de/crc1752/>
- Work in Project C01 "Learning of early immunotherapy-induced phenoscapes through multi-omic spatio-temporal mapping"
- Characterization of murine melanoma models upon immunotherapy
- Data analysis with a particular focus on single-cell omic-related pipelines, multi modal data integration techniques and perturbation modelling
- Multi-ome sequencing
- Application of state-of-the-art single-cell and spatial omics techniques
- Presentation of scientific results at meetings and conferences

Your profile:

- You hold a Master or Diploma degree in molecular or medical biology or bioinformatics or related disciplines
- You are highly motivated to expand your knowledge in bioinformatics, single-cell/spatial biology, perturbation modeling, and precision medicine
- Ideally, you have prior knowledge and experience in cancer (melanoma) research and single-cell data analysis
- You are able to work both independently and in interdisciplinary teams
- You are proficient in spoken and written English

What to expect:

- Cutting-edge research & technology innovative project:
 - Participation in a newly established DFG-funded Collaborative Research Centre featuring a strong interdisciplinary translational focus
 - Access to state-of-the-art technologies including single-cell multi-omics, spatial transcriptomics, multiplex imaging and ML-supported data integration
- Networking & collaboration scientific community:
 - Integration into an interdisciplinary, internationally visible cancer research network
 - Diverse teams: daily interaction with professional colleagues across experimental, computational, and clinical research
 - Exchange opportunities: excellent avenues for close scientific collaboration and external career development
- Mentoring & career development:
 - Structured guidance: continuous, high-quality mentoring tailored to your academic progression
 - Enrollment into the Graduate School for Biomedical Science 'BIOME' (<https://www.uni-due.de/biome/>)
 - Skill building: active participation in CRC events, lab rotations, hands-on workshops, and specialized training activities
- Work environment & infrastructure:
 - Top-tier facilities: excellent institutional infrastructure located directly at the University Hospital Essen campus, or nearby IKIM

Look forward to:

- A **secure job** in the public service of the state of NRW
- **Fair payment** in accordance with the collective wage agreement (TV-L) incl. annual bonus payment and supplementary company pension scheme
- **30 days of vacation** per calendar year (for a full-time position)
- **Interdisciplinary work** with colleagues from other departments
- Working with **modern equipment** and certified quality standards
- **Family-friendly corporate culture**, e.g. company daycare center, vacation program for school-age children, advice and support from the Employee Service Office in all life situations
- **Wide range of training and continuing education opportunities**, e.g. at the Training Academy of UK Essen
- **Health management**, e.g. company integration management, vaccinations, promotion of sports activities
- **Attractive fringe benefits**, e.g. reduced-price canteen meals, community events, accommodation in student residences



General conditions:

- The pay grade classification depends on the personal and collective legal prerequisites.
- The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply.
- The participation in secondary employment depends on the „Hochschulnebenbeschäftigungsverordnung“ of North-Rhine Westphalia.
- Disabled applicants will be preferentially considered in case of equivalent qualification.
- The position is also available as part-time employment.”

Contact person and further information about the position:

You will find detailed information on the job advertisement and contact persons behind the button - Apply now:

<https://bewerbung-karriere.ume.de/Vacancies/13792/Application/CheckLogin/1>

We use your data exclusively for application purposes in accordance with the applicable data protection regulations. Further information can be found in the privacy statement on our homepage at: www.uk-essen.de.