

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.

PhD Student (m/f/d)

(pay grade: EG 13 TV-L)

Work Area: Department of Medical Oncology, Laboratory of Cell Plasticity and Metastasis, West German Cancer Center, University Hospital Essen within the DFG-funded CRC1752 DYNAMO consortium

Job ID: 13641

Start Date: 1st October 2026

Work Scope: Parttime (25,025 hours per week)

Contract Type: Temporary contract

Contract duration: 30.06.2030; in accordance with § 2 (1) WissZeitVG for qualification goal PhD

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.unidue.de/crc1752/>
- Various molecular biology-based methods and techniques as well as siRNA technology, DNA barcoding technology and next-generation sequencing incl. bioinformatic analyses
- Cell-culture assays
- Animal experimental work and analysis of tumor cells in vivo
- Correlation of molecular with biological and clinical data
- Validation of scientific findings, data evaluation and processing of multi-omics data (transcriptome, epigenome)
- Data processing for the purpose of presentation at internal and external symposia
- Project-related supervision of Bachelor and Master students. Introduction and supervision of written and professional work.
- Preparation and presentation of abstracts, manuscripts, lectures, posters

Your profile:

- Completed Diploma or Master degree in natural sciences in the field of either Medical Sciences, Cell Biology, Molecular Biology, Immunology, Biochemistry, Biophysics, Bioinformatics, or equivalent disciplines
- Strong interest in cancer biology, therapy resistance, translational cancer research, multi-omics technologies and in vivo modeling
- Initial experience with bioinformatics analysis of high throughput and multi-omics data
- First experience in molecular and cell biology techniques and interest in working with patient-derived as well as in vivo model systems
- Experience with cell culture methods
- Initial experience or willingness to learn animal experiments
- Candidates should be fluent in spoken and written English
- Candidates should have very good computer skills
- You are flexible, committed and a team player
- You work independently, are responsible and reliable
- High motivation and commitment for active participation in the interdisciplinary program of the consortium

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 „Hochschulnebenbeteiligungsverordnung“ of North-Rhine Westphalia.
- Disabled applicants will be preferentially considered in case of equivalent

qualification.

Application

Applications should include:

- motivation letter
- CV incl. publication list
- Bachelor- and Master certificates and record and all other relevant certificates
- contact details of two academic referees

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

<https://bewerbung-karriere.ume.de/Vacancies/13641/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.