

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.

Postdoctoral Researcher in Translational Genomics (m/f/d)

(pay grade: EG13 TV-L)

Work Area: Clinic of Ophthalmology

Job ID: 12403

Start Date: Next possible date

Work Scope: full-time / 38,5 h

Contract Type: temporary

Contract duration: 30.09.2026 - with possibility of 1-year extension; in accordance with § 2 (2) WissZeitVG for the duration of the project

Your tasks:

We invite applications from exceptionally talented and enthusiastic postdocs to work in the field of translational medicine to identify and exploit genetic vulnerabilities in cancer. Our group focuses on uveal melanoma and renal cell carcinoma, two tumor types with a high frequency of mutations in the epigenetic modifier and tumor suppressor gene BAP1, leading to increased tumor aggressiveness and metastasis in patients. We provide comprehensive support to identify and validate genetic vulnerabilities in tumors with BAP1 mutations for eventual therapeutic exploitation. To address these questions, state-of-the-art technologies such as RNAi, CRISPR/Cas9, patient-derived organoids and mouse models of metastasis will be used. Major tasks include:

- Design and implement cutting-edge research projects in translational genomics
- Identify new vulnerabilities in BAP1-mutant cancers by functional genomics
- Evaluate drugs *in vitro*, *in vivo* and *ex vivo* in patient-derived organoids as preclinical models of uveal melanoma and renal cell carcinoma
- Ensure a high level of animal welfare and work to improve the quality of life of laboratory animals
- Project management, execution, analysis and publication of translational cancer genomics results

Your profile:

- Successfully completed Diploma or master degree and a PhD in a biomedical or life science subject
- Demonstrated scientific productivity
- Strong background in working with mouse models. An accredited animal handling course is desirable, but not a requirement (FELASA B)

- Experience in cell biology work (cultivation of cell lines and/or organoids), as well as in general molecular biology techniques, such as isolation of nucleic acids, cloning, western blotting, qPCR and ChIP
- A responsible work style, organizational skills and the ability to work in an interdisciplinary team are required
- Knowledge of common computer applications and documentation according to Good Scientific Practice are necessary
- Expertise in genomic analyses, such as single-cell sequencing, is a plus, but not a requirement
- Excellent written and oral communication skills in English

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
- Active 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.
- Disabled applicants will be preferentially considered in case of equivalent qualification.
- The position is also available as part-time employment.
- A certificate according to §23a Infection Protection Act (IfSG) regarding the vaccination and serostatus of measles is required.

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/12403/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.