

# Stellenausschreibung

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.

The **Institute for Experimental Immunology and Imaging** is currently seeking a

## PhD student (m/f/d)

(pay grade: 13 TV-L / 65% - temporary employment)

The pay grade classification depends on the personal and collective legal requirements. The employment is initially limited until 30.06.2026 within the framework of a third-party funded project. An extension might be possible according to available funding and the maximum employment duration as given by law regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz).

The Institute for Experimental Immunology and Imaging deals with the visualisation and functional analysis of immune cells in vitro and in vivo. The focus is on neutrophil granulocytes. Here, immunological mechanisms of oncogenesis are investigated in a murine system. We use a broad spectrum of immunological methods, such as qPCR, flow cytometry and animal models. The main-focus of our institute is on imaging technologies (e.g. confocal-, lightsheet- and intravital microscopy). Previous experience in these methods is an advantage. For more information, please visit: <https://www.uni-due.de/experimental-immunology/>.

### Tasks:

The task in this project is to investigate molecular mechanisms of neutrophil granulocyte neurotoxicity in experimental stroke in animals (mice) as well as in real human patients. We are investigating a new hypothesis on the causes of particularly severe strokes. If the hypothesis turns out to be correct, this could lead to completely novel therapeutic procedures. Further details can be found at <https://www.medizin.uni-muenster.de/sfb-trr-332/forschung/project-area-c.html> (project C6). The project will investigate the immunological mechanisms of stroke development in a murine system as well as in human patients.

### Your profile:

- Completed Diploma or Master degree in natural sciences in the field of life science or biomedical subject, or equivalent disciplines
- Willingness to work with animals is essential
- A good command of English is required
- Experience in neurobiology and/or immunology is an advantage

**We offer:**

- Our group offers the participation in regular scientific seminars, e. g. project discussions and journal clubs
- In addition, there is the possibility to participate in the graduate school BIOME, which offers a structured training program and an exchange between PhD students from different research groups
- Information on BIOME can be found at: <https://www.uni-due.de/biome>. As part of TRR332, you will have other extensive opportunities for training such as summer schools and on-site trainings

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

Our university offers attractive academic career track options and family friendly conditions.

Please apply with the following documents in English:

Letter of motivation, complete curriculum vitae, university degree certificate, summary of master's or diploma thesis, contact details of at least two potential references, list of publications and proofs of congress attendances (if applicable).

Please send your application documents within 2 weeks after publication of this advertisement on our homepage with reference to the job advertisement number **1278** primarily by e-mail in one coherent PDF file to [bewerbung@uk-essen.de](mailto:bewerbung@uk-essen.de) or in writing to the University Hospital Essen, Personnel Department, Hufelandstraße 55, 45147 Essen.

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](http://www.uk-essen.de).