

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.

The **Working Group “Hematology and Stem Cell Transplantation”** of the **Department of Hematology and Stem Cell Transplantation** (Dr. rer. nat. G. Knittel, Prof. Dr. med. C. Reinhardt) is currently seeking a

PhD student in preclinical hematology research (m/f/d)

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

The pay grade classification depends on the personal and collective legal prerequisites. The employment is for the duration of a third-party funded project for 36 months. An extension might be possible according to available funding and the maximum employment duration as given by laws regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz).

In context of the DFG research grant “Mechanisms of humoral immunodeficiency in CLL”, we are looking for a highly motivated and skilled PhD student in the area of preclinical hematology research. In CLL, infections are a major cause of death. This project aims to elucidate the mechanisms of suppression of the humoral immune response by the malignant cells. The project is a collaborative effort between our working group and the group of Prof. Dr. Ralf Küppers.

Your tasks:

- Investigation of the mechanisms of immune suppression by CLL cells
- Planning, conduction and analysis of *in vivo* and *in vitro* experiments
- *In vivo* immunization and infection assays
- Flow cytometric analyses
- Bulk and single cell transcriptomic analyses
- Multiplex immunofluorescence imaging
- Supervision of undergraduate students, presentation of scientific results

Your profile:

- Completed Diploma or master degree in natural sciences
- Ability to work in teams
- Fluent in English, ideally basic command of the German language
- Self-motivated, creative and proactive
- Experience in standard laboratory techniques (immunoblotting, flow cytometry, PCR)
- Experience with *in vivo* research is a plus
- Experience with R and/or python is a plus

- Experience with spatial transcriptomics or multidimensional imaging data is a plus

We offer:

- A friendly, collaborative and motivated work environment
- The freedom to realize own research ideas
- Access to *in vivo* model systems and leading-edge technology platforms
- Great opportunities for scientific collaboration with leading researchers
- Support in obtaining the necessary qualifications for an academic career

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.

Please send your application including the cover letter, your curriculum vitae, copies of all university degrees and contact data of 2-3 references in English or German language preferably by email as a single pdf file within 2 weeks after publication of this advertisement with reference to tender number **10043** to 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.