

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. State-of-the-art core facilities, including imaging, cell sorting and sequencing are available on site. The oncological research of our faculty was rated #2 nationally and #18 worldwide in the most recent „U.S. News Best Global Universities Ranking“.

The **Research Division** (Head: Professor Sven Brandau) of **Department of Otorhinolaryngology** is currently seeking a

Postdoctoral researcher (m/f/d) in Immuno-Oncology

(Pay grade: E13 TV-L / 100% - temporary employment)

or

2 PhD Candidates (m/f/d) in Immuno-Oncology

(Pay grade: 13 TV-L / 50 % - temporary employment)

The employment is provided for the duration of a third-party funded project (TRR332 – Collaborative Research Center, funded by DFG) until 30.06.2026. The pay grade classification depends on the personal and collective legal requirements.

With this position, you will have the opportunity to work in a translational research project of a newly established Collaborative Research Center. This project will identify clinically relevant factors that help to explain the tumor promoting function of tumor-associated neutrophils in cancer. Pure basic research does not satisfy you. You are looking for a clinical environment and a translational research group. You are willing to work independently and apply your knowledge to an innovative area of re-search.

Your Project

- In your project, you will be the responsible researcher of our research project in the Collaborative Research Center TRR332. You will collaborate with other researchers of the TRR332.
- You will work with advanced tissue analysis technologies, human 3-D in vitro systems, digital pathology and murine cancer models
- You will be responsible for the design, performance and analysis of the research project.
- Your experience with immune cells and immuno-oncology will contribute to a successful out-come of the project
- You will have the opportunity to present your findings at national and international conferences.

Your profile / qualifications

- Completed PhD Thesis and/or a completed academic degree in natural sciences or life sciences (Master or Diploma)

- Experience in immuno-biology, immuno-oncology and molecular biology, neutrophils, tumor microenvironment
- Practical knowledge of cell culture, myeloid cells, flow cytometry, fluorescence microscopy, animal handling
- Accuracy and sense of responsibility, reliability in data documentation
- Cooperation skills to work in a great collaborative team
- Solid English skills

Our group

In our group, you can expect a good working atmosphere and a lively research environment at the interface of basic science and clinical medicine. We offer a wide spectrum of methods ranging from molecular biology, immunology and experimental animal models to patient material and high-end imaging.

The research themes of our group are: immunological tumor-host interaction with a focus on myeloid cells, tumor immunotherapy and the immunobiology of mesenchymal stromal cells (MSCs).

More information can be found here: <https://hno.uk-essen.de/forschung/ag-brandau/>

And here: <https://www.medizin.uni-muenster.de/sfb-trr-332/startseite.html>

Selected publications

Sody, S., et al. (2019) Front. Immunol. 10, 1419

Si Y, et al. (2019) Science Immunology 18;4(40):aaw9159

Lang S, et al. (2018) Clinical Cancer Research 24(19):4834-4844

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.

Please send applications (CV, two letters of recommendation or the contact details of two referees, proof/certificate of PhD, Master Degree or Diploma, presentations/publications, summary of training/experience, spectrum of methods and an English abstract/summary of your PhD thesis) with reference to the tender number **1280** within 2 weeks preferably by **email in ONE single pdf** file to bewerbung@uk-essen.de or to Universitätsklinikum Essen, Personaldezernat, Hufelandstraße 55, 45147 Essen, Germany.

For questions, please contact:

Dr. Tanja Hardt-Knechtli: email: tanja.hardt-knechtli@uk-essen.de

For project-related questions:

Prof. Dr. Sven Brandau email: sven.brandau@uk-essen.de

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: <http://www.uk-essen.de>.