

Job Vacancy

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 26 clinics, 23 institutes and specialized centers. The over 6.000 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 of Immunology** is currently seeking for several

PhD Students (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 provided for a period of 36 months to obtain a PhD degree. An extension of the job duration might be possible to the maximum employment duration as given by laws regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz).

We are interested in basic principles of immune activation and effector control mechanisms in the fields of viral immunology, immunological cancer therapy and auto-immunity. To determine such general molecular and cellular mechanisms we use high-end analysis technology (e.g. scRNAseq, GWAS, high-resolution microscopy) in in vitro and in vivo models. Currently we have open projects on immune exhaustion by cancer cells (Adomati T et al., Cell Rep. 2020), chronic virus infection (Khairnar V et al. Nat Commun. 2018) and antiviral control mechanisms (Lang J et al. Nat Commun. 2020). Projects can be performed in a joint research cooperation (i.e. SFB-, Transregio- and Graduate School).

We offer:

- Working on fascinating projects in a highly motivated international team with the ability to develop a own research profile and a high-level PhD-project
- Support in developing and finishing research projects, including experimental and theoretical analysis of molecular and cellular mechanisms in immunology
- Well funded and cutting edge technology
- Intensive interaction with other excellent world leading research institutions
- Academic career training and long-term perspective

Your profile:

- University degree (master or diploma) in (Bio-)medical Sciences or a closely related study subject
- A strong interest and pro-found knowledge in immunology, virology, molecular biology or oncology
- Highly self-motivated, disciplined, team-oriented

Application documents:

- Curriculum Vitae (including your work experience & techniques you are familiar with; list of publications)
- Cover letter (please state your research interest)
- Research proposal (possible projects you would want to study in future, about 1 page)
- Master thesis and university certificates
- Contact information of 3 referees

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

Please send application documents with reference to the tender number **1082** preferably via email in a single pdf file within 2 weeks after publication to:

Univ.-Prof. Dr. Karl Lang
Direktor des Instituts für Immunologie
Universitätsklinikum Essen
Hufelandstraße 55
D-45147 Essen
GERMANY

E-Mail: KarlSebastian.Lang@uk-essen.de

Homepage: <https://www.uni-due.de/immunology/>

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