



For our research laboratory "Translational Pulmonology", we are looking for a

Research Associate (PhD Student) (m/f/d)

(Salary in accordance with German public service salary scale TVöD-K/ 65% - limited)

To strengthen our team, we are looking for highly skilled and motivated doctoral candidates with independent and committed work ethics, an extraordinary interest in research and very good team skills. The employment is initially intended for the duration of a third-party funded research project by the German Research Foundation (DFG) for a limited period of 36 months with the aim of obtaining a doctorate degree. Extensions are possible in accordance with the maximum employment periods of the Wissenschaftszeitvertragsgesetz (WissZeitVG) and the availability of third-party funds. The classification is based on personal and collective law requirements.

For our research project funded by the German Research Foundation (DFG) "Molecular endotypes in CD8⁺ T cells contribute to the pathogenesis in patients with concomitant COPD and asthma" we are looking for a dedicated researcher with interest in this topic to complete his or her PhD. In this project, we will use human patient material to better understand the cellular and molecular regulation immune cells in patients with COPD and asthma. By means of molecular and cellular methods, new therapeutic approaches will be identified in order to achieve progress towards personalized medicine in patients with respiratory diseases.

Your responsibilities:

- Planning, organizing and executing experimental work in human ex vivo and in vitro models
- Performance of molecular biological, biochemical, and cellular immunoassays such as sterile work with T cells, flow cytometry, ELISA, real-time PCR, and Western blot
- Analyses of scientific data including genome-wide sequencing data sets (RNAsequencing)
- Writing of scientific manuscripts

Your profile:

- Excellent graduates (diploma or master) in the fields of biology, biomedicine or human biology
- Experience with sterile bench work using cell lines and/or primary cells
- Basic knowledge of the methods described
- Highly interested and motivated to answer scientific questions to work independently and in a team
- Excellent organizational skills
- Good written and spoken English skills

We offer:

- An interesting and diversified work environment with translational aspects
- A stimulating, friendly, team-oriented working atmosphere
- Excellent supervision
- Freedom for the development of own research questions and discussion of independent approaches
- Support in developing soft skills such as didactics, scientific writing, and rhetoric
- The possibility to present own data at scientific national and international conferences
- A performance-related remuneration according to TVöD sector hospitals municipal version
- Additional occupational pension and survivors' benefits (VBL)



Our Profile:

For more than a century, the Ruhrländklinik has specialized in lung diseases and is considered one of the leading medical institutions in the prevention, diagnosis, and treatment of lung and respiratory diseases in Germany. In the specialized lung clinic of the University Medical Center Essen (UME), more than 700 employees provide inpatient and outpatient care to around 20,000 patients annually. For patients with lung diseases, close to 229 beds are available in the Departments of the Clinic for Pulmonology, the Clinic for Thoracic Surgery and Thoracic Endoscopy, Thoracic Oncology, Intensive Care Medicine and Respiratory Denervation as well as Anesthesiology and Pain Therapy.

The high degree of specialization is visible in the numerous interdisciplinary centers of excellence, such as the Lung Cancer Center at the West German Tumor Center (WTZ), the West German Center for Lung Transplantation or for rare lung diseases such as cystic fibrosis (Christiane Herzog Center Ruhr), alpha-1-antitrypsin deficiency or pulmonary fibrosis. For the medical faculty of the University of Duisburg-Essen, the Departments of Pulmonology and

For more detailed information, visit our Website or please contact:

<https://www.ruhrländklinik.de/forschung-lehre/translational-pulmonology/>

Frau Prof. Dr. rer. nat. Schedel-Bockholt, Group Leader of Translational Pulmonology

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Have we raised your interest? Then please send your application documents preferably by Email to the following address:

Bewerbung@rlk.uk-essen.de

Alternatively, please send your application to:

Ruhrländklinik

Westdeutsches Lungenzentrum am Universitätsklinikum Essen gGmbH

Personalabteilung

Tüschener Weg 40

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