



Stellenausschreibung

Our Profile:

For more than a century, the Ruhrlandklinik 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 Department of Pulmonology, 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 Trans-plantation or for rare lung diseases such as cystic fibrosis (Christiane Herzog Center Ruhr), alpha-1-an-titrypsin deficiency or pulmonary fibrosis. For the medical faculty of the University of Duisburg-Essen, the Departments of Pulmonology and Thoracic Surgery are anchored in research and teaching activities at the UME site Ruhrlandklinik.

Post Doctoral Fellow (m/f/d)

(EG13 TVöD-K – full time, start date: 01.07.2024)

To strengthen our research team “Translational Pulmonology”, we are looking for highly motivated candidates with a doctorate degree, independent and committed work ethics, an extraordinary interest in re-search, and very good team skills.

We offer an exciting scientific field of work in a highly relevant research area with the potential of a permanent position. The focus of the Research group ‘Translational Pulmonology’ is the investigation of genetic, molecular, and cellular mechanisms in the field of respiratory diseases (asthma, COPD, cystic fibrosis) in human and mouse models using state-of-the-art techniques. Our translational research is intended to gain new insights into disease development of respiratory diseases and to identify new therapeutic approaches in order to achieve advances towards more personalized medicine.

Your responsibilities:

- Planning, organizing and executing experimental work in murine / human models
- Performance of molecular biological, biochemical and cellular immunoassays
- Analysis of scientific data including genome-wide data sets (whole transcriptome, single cells RNA sequencing, proteomics, metabolomics)
- Independent implementation and development of own projects
- Project monitoring and support of interns, technical staff, master students, doctoral students, and other research associates
- Writing of scientific manuscripts as well as applications for ethics proposals and grant funding

Your profile:

- Graduates (diploma or master) in the fields of biology, biomedicine or human biology with a PhD (Dr. rer. nat or comparable) in medical or biomedical research
- Comprehensive knowledge in the field of immunology and lung diseases
- Excellent knowledge in the field of molecular biology (e.g. cloning, CRISPR/Cas9) and immunological techniques
- Several years of experience working with sterile bench work using cell lines and/or primary cells
- Solid basis of bioinformatics skills and experience with techniques such as single-cell and bulk RNA sequencing, proteomics, and/or metabolomics



- Highly interested and motivated to answer scientific questions working independently and in a team
- Excellent organizational skills
- Good knowledge of German, as the position also involves some teaching responsibilities
- Good written and spoken English language skills

We offer:

- An interesting and diversified work environment with translational aspects
- A stimulating, friendly, team-oriented work atmosphere
- Excellent education and training opportunities
- Freedom for the development of own research projects
- Support in developing soft skills such as didactics, scientific writing, and rhetoric
- Encouragement to present own data at scientific national and international conferences
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For more detailed information, visit our Website:

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

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

Bewerbung@rlk.uk-essen.de

