



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

Post Doctoral Fellow (m/f/d)

(EG13 TVöD-K – full time, start date: 01.02.2024)

The pay grade classification depends on the personal and collective legal requirements. In accordance with the laws regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz) or the Teilzeit- und Befristungsgesetz the duration of the contract depends on the personal requirements. An extension might be possible according to available funding and the maximum employment duration as given by law regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz).

We offer an exciting scientific field of work in a highly relevant research area. The focus of the Research group ‘Experimental 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

Our Profile:

Our 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 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 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 Thoracic Surgery are anchored in research and teaching activities at the UME site Ruhrländklinik.

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
45239 Essen

