



## 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 Transplantation or for Rare and Interstitial Lung Diseases (ZISLE) such as cystic fibrosis (Christiane Herzog Center Ruhr), alpha-1-antitrypsin deficiency. 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: 01.03.2025)

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).

To strengthen our research team “**Interstitial and Rare Lung Diseases**”, we are looking for highly motivated candidates with a doctorate degree, independent and committed work ethics, an extraordinary interest in research, and good team skills.

The Research group of **Prof. Francesco Bonella** focuses on genetic and circulating biomarkers discovery and validation, identification of immunoprofiles in peripheral blood and bronchoalveolar lavage fluid from patients with different subtypes of interstitial lung disease and sarcoidosis. Moreover, we have developed cell culture models with alveolar macrophages to test the impact of different substances on their phenotype. Our translational research is intended to gain new insights into fibrosis perpetuation and progression and to identify new patients stratification strategies (prediction of progression, mortality, and response to treatment) to achieve advances towards more personalized medicine.

### Your responsibilities:

- Planning, organizing and executing experimental work
- Performance of molecular biological, biochemical and cellular immunoassays, including ELISA, CLIA, DNA extraction, PCR, Nanostring
- Independent analysis of scientific data
- Independent implementation and development of own projects
- Project monitoring and support of interns, technical staff, master and 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 human medicine or human biology with a PhD in medical or biomedical research
- Knowledge in the field of immunology and lung diseases
- Experience working with sterile bench work using cell lines and/or primary cells
- Solid basis of statistics and statistic commonly used software (SPSS, STAT)
- Highly interested / motivated to answer scientific questions working independently and in a team
- Excellent organizational skills and long-term vision
- Good written and spoken English language skills (ideally, proficiency level)
- Good knowledge of German, as the position also involves some teaching responsibilities

### 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

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

[francesco.bonella@rlk.uk-essen.de](mailto:francesco.bonella@rlk.uk-essen.de)

