

Founded in 1607, Justus Liebig University Giessen (JLU) is a research university rich in tradition. Inspired by curiosity about the unknown, we enable around 26,500 students and 5,700 employees to advance science for society. Join us in breaking new ground and writing success stories - your own and those of our university.

Support us as of now in part-time (50 %) as a

PhD student (m/f/d) in the field of virology, lung organoids and infectious diseases of the lung

The position is part of the LOEWE Research Cluster CoroPan and is to be filled on a fixed-term basis in accordance with § 2 WissZeitVG and § 72 HessHG with the opportunity for own academic qualification at the Chair of Internal Medicine and Pulmonary Research, Department of Medicine V, Faculty of Medicine. The salary is in accordance with the collective labour agreement of the State of Hessen (E 13 TV-H).

As long as the maximum permissible duration of a fixed-term contract is not exceeded, you will be employed for a period of 3 years.

The proposed research project aims to elucidate the molecular mechanisms underlying the interaction between human coronaviruses and influenza viruses with their human hosts, with a particular emphasis on the modulation of the interferon (IFN) signaling pathway and the innate immune response. This investigation will employ a combination of virological, immunological and molecular biology techniques to dissect how these viruses evade or manipulate host immune defence. The results of this research are expected to provide insights into viral pathogenesis and inform the development of novel therapeutic strategies to enhance antiviral immunity.

Your tasks at a glance

- Contributing to innovative research on human pathogenic viruses and using lung organoid models as preclinical tools
- Planning and conducting experiments with the aim of producing a peer reviewed publication

The provision of academic services (including the processing of a research project financed by third party funds on a temporary basis) also serves the purpose of academic qualification.

Your qualifications and competences

- Completed Master's or equivalent university degree in biology (MSc), biomedicine (MSc), biochemistry (MSc), medicine, veterinary medicine or equivalent
- Experience with virological, immunological, molecular biology methods, cell culture, organoid culture, flow cytometry, preclinical models in infection biology or experimental lung research
- Experience in single cell analyses and cell sorting via FACS is advantageous
- Extraordinary level of autonomy, initiative, analytical thinking and ability to work in a team
- Excellent English language skills and the willingness to work with animal models and under BSL3-lab conditions
- A certificate in laboratory animal science (FELASA B) would be advantageous

Our offer to you

- Integration into an innovative research project
- Interdisciplinary collaboration with excellent scientists
- Opportunity to develop a scientific profile with the opportunity to do a doctorate
- A varied job with flexible working hours
- Free use of local public transport (LandesTicket Hessen)

- More than 100 training seminars, workshops and e-learning opportunities per year for personal development, as well as a wide range of health and sports activities
- Remuneration according to TV-H, company pension scheme, child allowance and special payments
- Good compatibility of family and career (certificate "audit familiengerechte hochschule")

If you have any further questions, please do not hesitate to contact Irina Kuznetsova, PhD by e-mail (Irina.Kuznetsova@innere.med.uni-giessen.de).

JLU aims to employ more women in academic research. We therefore particularly encourage female candidates to apply. JLU is regarded as a family-friendly university. Applicants with children are very welcome. Applications from disabled people of equal aptitude will be given preference.