JUSTUS-LIEBIG-UNIVERSITÄT GIESSEN

Founded in 1607, Justus Liebig University Giessen (JLU) is a research university rich in tradition. Inspired by curiosity about the unknown, we enable around 25,000 students and 5,800 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 one of two positions in part-time (50 %) as

PhD student (m/f/d)
in the field of organoids, stem cell research and lung development and disease

The positions are part of the Professorship for Lung Organoids and Tissue Engineering for Advanced Disease Modeling and are 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 Institute of Lung Health (ILH), at the 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 project focuses on utilizing 3D murine and human lung organoid systems for studying lung development and disease.

Your tasks at a glance

- We are looking for an enthusiastic, highly motivated PhD student who wants to contribute to cutting-edge research with a focus on lung organoid models to understand core mechanisms of lung alveolar development and disease
- The successful candidates will be responsible for planning and conducting scientific experiments with the goal to prepare a peer reviewed paper

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

- A completed Master´s or equivalent university degree in biology, biomedicine , biochemistry , medicine, veterinary medicine or equivalent
- Experience with molecular biology and biochemical methods, cell culture, organoid culture, as well as confocal microscopy
- Experience in cell sorting via FACS and experimental lung research would be 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
- A certificate in laboratory animal science (FELASA B) would be advantageous

If you have any further questions, please do not hesitate to contact Prof. Dr. Paolo Panza by e-mail (Paolo.Panza@uni-giessen.de).

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")

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.

You want to break new ground with us?
Apply via our **online form** by **July 15th, 2025**, indicating reference number 353/11. We look forward to receiving your application.