

Founded in 1607, Justus Liebig University Giessen (JLU) is a research university rich in tradition. Inspired by curiosity about the unknown, we enable around 28,000 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 from 01.04.2022 part-time (65 %) as a

## **Research Associate (m/f/d) in the field of molecular animal genetics**

The position is part of the DFG (Deutsche Forschungsgemeinschaft)-funded project "*Study on genetic, epigenetic, transcriptomic and proteomic mechanisms modulating sheep resistance to small ruminant lentivirus*" and is limited until 31.03.2025 at the Chair of Animal and Pathogenetics, Department of Animal Breeding and Genetics at the Faculty of Agricultural Sciences, Nutritional Sciences, and Environmental Management. The salary is in accordance with the collective labour agreement of the State of Hessen (E 13 TV-H).

### **Your tasks at a glance**

The aim of the project is to gain new insights into the mechanisms of host resistance to ovine lentivirus infections at several levels of genome organisation and the host proteome. Your tasks in the work package carried out at JLU are:

- selecting samples originating from lentivirus-affected sheep flocks for whole genome sequencing based on parameters of lentivirus infection (ELISA, qPCR)
- conduct genome-wide association studies (GWAS) regarding infection status using whole genome sequence data
- characterising significantly associated genomic regions by further molecular genetic methods
- conduct further analyses involving the data from the work packages of the other project partners (epigenetics, transcriptomics, proteomics)

In addition to working on the project, there is the opportunity to do a doctorate or habilitation.

### **Your qualifications and competences**

- Completed Master's or equivalent university degree in farm animal science/animal science, agrobiotechnology, bioinformatics, veterinary medicine, human medicine or biology
- A completed doctorate is desirable
- Several years of experience with the implementation of genome-wide association studies and the necessary software
- Knowledge of handling whole genome sequences and the software required for this purpose
- Several years of experience in carrying out molecular genetic methods (laboratory work)
- At least basic knowledge of the German language, very good knowledge of English

### **Our offer to you**

- 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 Prof. Dr. Gesine Lühken by e-mail ([gesine.luehken@agrar.uni-giessen.de](mailto:gesine.luehken@agrar.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.

You want to break new ground with us?

Apply via our [online form](#) by **February 3<sup>rd</sup>, 2022**, indicating reference number 717/09. We look forward to receiving your application.