

Job advertisement

The Friedrich-Loeffler-Institut is one of the world's leading research institutes in the fields of animal diseases, animal welfare, animal husbandry, animal nutrition and farm animal genetics. It is part of the portfolio of the Federal Ministry of Food and Agriculture and informs and advises the Federal Government in these areas.

The Institute of Farm Animal Genetics of the Friedrich-Loeffler-Institut in Neustadt at Mariensee/ Mecklenhorst has a vacancy, conditional on project funding, for the following position as soon as possible:

A PhD position (m/f/d) to be filled at the earliest possible date.

The position is with a term of **36 months** limited, with a payment of 65% of the remuneration group 13 TVöD - Bund, tariff area West. The position will be embedded in the project "Innovative ways of regional sustainable use of animal genetic resources in domestic fowl" (RegioHuhn)

Field of work:

The project focuses on the genetic improvement of local chicken breeds and the use of cross-bred progeny of such breeds with high-performance chicken lines in organic farming. The work will focus on quantitative genetic analyses of phenotypic traits of fattening and laying performance as well as traits related to animal health. Genome-wide association analyses will be performed using SNP data, and genetic parameters will be estimated to serve as the basis for simulation studies to establish genomic selection within purebred populations of local breeds. The goal is to improve the performance of the local breeds in the context of animal health and welfare traits, and their suitability for crossbreeding in organic agriculture.

Tasks:

- Genome wide association analyses for performance and animal health data.
- Assessment of genomic selection schemes through simulation studies including the development of a genomic breeding value estimation upon simulation of different breeding scenarios
- Data collection in experimental studies on chickens
- Participation in laboratory work for DNA analysis, in particular sequencing
- Preparation of projectrelated reports
- Publication of results in peer reviewed journals

Requirements:

- Completed university graduation in agricultural sciences, veterinary medicine, biology or related fields of study.

Advantageous are:

- Knowledge in quantitative genetics
- Knowledge of current methods in molecular genetics and bioinformatics
- Knowledge of statistical methods of quantitative genetics and population genetics
- Confident use of relevant software, especially R
- Experience with animal experiments
- Experience in methods of breeding program planning by means of simulation

Our institute is committed to a family-friendly working environment through flexible working hours. Our social benefits include company health and reintegration management, company social services, company pension plans and capital-forming benefits. The Mariensee site is well connected to public transport.

The Friedrich-Loeffler-Institut is committed to inclusion. Applications from people with severe disabilities are therefore expressly welcome. They will be given preferential consideration in the selection process.

In line with our international orientation, we welcome applications from people of all nationalities and ethnicities.

For more information, please contact Prof. Dr. Weigend at the following extension: 05034 / 871 5180.

We look forward to receiving your application. Please send your informative documents by **19.03.2023** as a PDF document directly by e-mail to 027.23@fli.de with the subject "**Position 027/23**". Alternatively, you can send your application by postal mail to Friedrich-Loeffler-Institut, Department of Personnel, Postfach 1318 in 17466 Greifswald - Insel Riems. Please note that incomplete documents may lead to exclusion from the application process.

A confirmation of receipt as well as further communication will be sent by e-mail. Please check your spam filter settings!