



The Leibniz Institute for Farm Animal Biology (FBN) is a foundation under public law and member of the Leibniz Association. The Institute with about 300 employees is performing fundamental and applied research in the field of the biology of farm animals. The Institute provides an interdisciplinary research environment and excellent experimental and analytical facilities.

The Institute of Genetics and Biometry seeks a highly motivated

Postdoctoral Researcher (m/f/d) in the field of Statistical Genomics

starting from April 1st 2019 for a fixed term period of 3 years

Reference number: 2019-06

Project Description:

We are studying physical and genetic measures of the proximity of molecular markers on the bovine genome. A combined physical-genetic map will be constructed using extensive genotype data from national breeding companies. The relationship between recombination rate between pairs of molecular markers and physical position on the genome will be elucidated by advanced statistical methods. We will develop further software and provide access to our results via data base with web-interface. The project is funded by the German Ministry of Education and Research (BMBF).

Your responsibility:

- Handling of high-dimensional SNP genotype data
- Implementation of statistical approaches and set-up of software pipeline
- Study of genetic map functions
- Development of data-base concept and realisation of access to project results

Requirements:

A potential candidate for the postdoc position should have a university degree in agricultural science (main subject animal or plant breeding), biomathematics or associated life science disciplines and should have been trained in such fields during his/her doctoral studies. The candidate should have knowledge about population-genetic theory and should have extensive experience in analysing molecular genetic data. Furthermore, programming skills (e.g. R, Fortran) are mandatory. Good skills in oral and written communication in English and the ability to work in a diverse group of researchers are required.

We offer

- Multifaceted and challenging research tasks in a performance-oriented and family-friendly environment
- Modern equipment and integration in international and national research projects
- Employment conditions according to the provisions of Tarifvertrag für den öffentlichen Dienst der Länder (TV-L), remuneration at the level of **salary grade 13 TV-L**
- Participation in the company pension scheme (VBL)
- Assistance with formal issues while settling into the new living environment

Application:

For further information please contact Dr. Dörte Wittenburg (wittenburg@fbn-dummerstorf.de). Your application should include a motivation letter, curriculum vitae, addresses of two referees, publication list and copies of relevant documents. Please send one comprehensive PDF document per e-mail to personal@fbn-dummerstorf.de (reference **St.Nr: 2019-06**).

The Institute is committed to increase the proportion of women in areas where they are under-represented and suitably qualified women are encouraged to apply. Candidates with disabilities will be given preference in the case of equal qualifications and capacity to complete the project. We explicitly encourage applications from international candidates. Candidates must fulfill the requirements for temporal contracts according to § 2 WissZeitVG.

Application and travel expenses in the context of the application cannot be reimbursed. By submitting your application, you consent to the processing of your personal data for the purpose of the application procedure.

The selection process is starting now and will be continued until staffing.
Further information can be found at www.fbn-dummerstorf.de.