Forschungsinstitut für Nutztierbiologie

Our task is to develop sustainable livestock farming in a globalized world. Resource efficiency, taking into account local and global environmental and climate impacts, is just as much a focus as the welfare and health of animals and the safety of the food derived from them. The Research Institute for Farm Animal Biology (FBN) stands for innovative research in international, multidisciplinary teams and a modern research infrastructure. Our green, natural campus is just a short drive from the lively coastal city of Rostock.

The Competence Area `Genetics and Genomics´ invites applications for a

PhD student position (m/f/d)

for 36 months starting at the earliest possible date.

If the personal and collective agreement requirements are met, the payment will be in accordance with the collective agreement for the federal states (TV-L), pay grade

E 13 TV-L (65%)

If you are interested in exploring the negative effects of climate change and the complex relationships between epigenetic regulation, immunological and metabolic adaptation of heat-stressed dairy cows, we welcome you to join our dynamic team for a unique research and qualification opportunity.

Your Tasks:
You will have the opportunity to join an exciting project within the DFG-funded project (EpiHeat). As a member of our team, you will investigate the influence of heat stress on epigenetic and metabolic adaptations on animal health of dairy cows. You will use modern biochemical and molecular biological methods (proteomics, acetylomics, metabolomics). We are specifically interested in understanding the epigenetic basis of hepatic adaptation on metabolic and immune function in relation to the environmental stressor heat.

Your Qualifications:
- Master's degree or equivalent qualification in animal science, veterinary medicine, biology or related biosciences
- Interest in deciphering the connections between epigenetics, nutrition and physiology
- Initial experience with modern biochemical and molecular biological methods
- Profound knowledge of metabolic biochemistry, physiology and statistics
- Enthusiasm for working with farm animals
- Confident handling of common PC programs and application software
- Excellent communication skills in German and English (oral and written), with the ability to present and publish research results
- High motivation to work in a team and independently

What we offer:
This position provides a unique opportunity to contribute to cutting-edge research, addressing crucial questions in livestock farming within the stimulating environment for animal health and welfare and to address important questions in animal husbandry. You will benefit from

- Multifaceted and challenging research tasks in a performance-oriented and family-friendly environment
- Modern equipment and integration into a highly committed international research team
- Employment conditions according to the Tarifvertrag für den öffentlichen Dienst der Länder (TV-L)
- Assistance with formal issues while settling into the new living environment

The FBN is an internationally-oriented research institute performing basic and applied research on the biology of farm animals. As equal opportunities and diversity are important components of our HR policy, we welcome applicants from all backgrounds.

For informal inquiries, please contact **Dr. Franziska Koch** (koch@fbn-dummerstorf.de, phone +49-(0)38208-68870).

We look forward to your application.

Please send applications (single pdf-file preferred), including a motivation letter, detailed CV, copies of diplomas and certificates, and the contact information of references to: **personal@fbn-dummerstorf.de.**

Please quote the job number **2024-09** in your application.

Finally, it should be noted that we are not allowed to reimburse application or travel expenses in connection with the application. By submitting your application, you consent to the processing of your personal data for the purpose of the application procedure.

For more information about the FBN, please visit us online:

www.fbn-dummerstorf.de