



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 research group "Epigenetics and Aging" at Leibniz Institute for Farm Animal Biology invites applicants for a

## Master's thesis

### Reference number: 2018-32

#### Task Description:

We are focused on understanding the molecular changes that occur during early aging that determine healthy lifespan. Our lab combines model organism work (mice and flies) with various techniques, including mass spectrometry, MALDI-imaging, molecular biochemistry, and behavioral testing. In close collaboration with other labs, we will extend our research to include human and livestock studies. We are currently exploring novel modeling of aging to discover innovative therapy avenues, with the goal of preventing fitness decline and cognitive impairment. We welcome applications from excellent, highly motivated candidates who enjoy collaborating with fellow scientists to advance our understanding of the molecular mechanisms of aging.

We seek candidates to work in

1. The impact of the metabolic-epigenetic axis in modulating *Drosophila* healthspan and lifespan.
- or
2. The impact of altered metabolic-epigenetic connectivity during age-associated memory impairment in mice.

#### Requirements:

We are looking for a candidate with bachelor's studies in Biology, Medicine, or a relevant Biological/Biochemical discipline. The candidate should be able to work alongside a PhD student and have a passionate interest regarding scientific integrity. He or she should be motivated to study aging. We seek to employ individuals who are highly motivated team players and have a keen interest in science.

#### Desired assets

- Previous experience (e.g lab rotations) in biochemistry, mass spectrometry, or behavioral experimentation

#### 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

We are an internationally-oriented research institute focusing on basic and applied research on the biology of domestic livestock. 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.

Neither an employment contract within the meaning of labour law and collective labour agreement law nor a claim is established to be taken into consideration by filling vacancies. No remuneration will be granted. Claims under property law cannot be derived. Application and travel expenses in the context of the application cannot be reimbursed.

For more detailed information contact: Prof. Shahaf Peleg (phone +49-(0)38208-68 942, [peleg@fbn-dummerstorf.de](mailto:peleg@fbn-dummerstorf.de)).

We look forward to your application. Please send applications as a single PDF file, including a cover letter indicating your specific interest in joining the Peleg Lab, a detailed CV, copies of diplomas and certificates, and the contact information of one reference either via post to:

Leibniz-Institut für Nutztierbiologie  
Administration ([Ref.No. 2018-32](#))  
Wilhelm-Stahl-Allee 2  
18196 Dummerstorf, Germany

or via e-mail in PDF-format to:

[personal@fbn-dummerstorf.de](mailto:personal@fbn-dummerstorf.de).

The selection process is starting now and will be continued until staffing.

Further information can be found under [www.fbn-dummerstorf.de](http://www.fbn-dummerstorf.de)