



Doctoral/PhD Positions

Topic: “Cattle Digestive Physiology and Nutrition”

Level of employment: full time (30 hours/week)

Length of employment: 3-4 years

Deadline for applications: 1.12.2021 (position will remain vacant until filled)

Start: January 2022 or any time thereafter (negotiable)

Project Description

Several Doctoral/PhD positions are open at the Christian-Doppler Christian-Doppler-Laboratory for Innovative Gut Health Concepts in Livestock (CDL-LiveGUT) located at the University of Veterinary Medicine in Vienna/Austria. In a nutshell, the aim of the research is to understand the molecular basis of rumen/gut microbiome × host interactions both driven from the animal individual characteristics and the diet. Upon this knowledge, feeding strategies will be tested to better exploit the such beneficial interactions and enhance gastrointestinal health. The CDL-LiveGUT is joint research cluster that brings together various disciplines of animal nutrition, microbial ecology, gut physiology, and biomarker discovery, with a main goal to enhance gut health in farm animals by developing early biomarkers of gut health disorders and feeding approaches to prevent them.

<https://www.cdg.ac.at/forschungseinheiten/labor/innovative-darmgesundheitskonzepte-bei-nutztieren>

Tasks

Under close guidance of senior researchers and laboratory staff, the main tasks of the positions are:

- Preparation of the experimental protocols
- Performance of the animal experiments, as well as ex vivo and in vitro trials
- Laboratory analyses using various platforms such as chemical, molecular biological and immunohistochemistry
- Data analysis using various data mining approaches
- Preparation of manuscripts for scientific journals and research reports
- Dissemination of research data at conferences, meetings and other venues
- Participation in journal clubs, seminars and courses of the graduate school
- Assisting in teaching some classes relative to their PhD program

Requirements

We are seeking highly motivated and creative young scientists. Candidates with strong interests in animal nutrition, digestive physiology, and animal health are welcome to apply. They will be part of a large team at the CDL-LiveGUT, so that a teamwork spirit is necessary. Other specific requirements are:

- Diploma/MSc in Veterinary Science, Animal Science, Biological Sciences or with similar backgrounds
- Experience/interests and curiosity for advanced animal research



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- The candidates with backgrounds in biology/molecular biology with animal experience are highly preferred
- Excellent working knowledge of English

Remuneration, benefits and contact application

The positions are for up to 4 years and will lead to graduation. The actual monthly remuneration for a PhD position at the University is 2.228,60 EUR (paid 14 times per year) with a 3% yearly increment. The employment includes also an attractive social security, health insurance and retirement package. Furthermore, in the framework of the University support program for employees several other benefits are available such as Christmas vouchers, professional coaching, language courses, health consultations etc. The employment place will be at the Campus of the University and at University Research Farm in Kremesberg (around 50 km from Vienna).

Contact /Further Information

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www.vetmeduni.ac.at/tierernaehrung

To apply, please send your application (CV, short description of research interests, copies of certificates obtained, reference contacts and any eventual publication list) to: qendrim.zebeli@vetmeduni.ac.at. Review of applications will start by December 1, 2021. Positions will remain vacant until adequate applicants are hired.
