Norwegian University of Life Sciences

Global challenges regarding energy and climate change, the environment, health, food safety, technology and renewable solutions, use and conservation of land and natural resources, and development of the bio-economy, requires greater effort. NMBU is well equipped to conduct further research in these fields. NMBU's expertise spans entire value chains and includes both basic and applied research.

On 1 January 2014, the Norwegian School of Veterinary Science and the University of Life Sciences merged and became -NMBU, the Norwegian University of Life Sciences. NMBU has 1700 employees and 5200 students, and is currently located on two campuses - Ås, about 30 km south of Oslo, and Adamstuen in Oslo. In 2020, the new research- and education-building for veterinary science will be completed and all of NMBU will then be located at Campus Ås.

Further information about NMBU is available on www.nmbu.no

Senior researcher position in animal nutrition - Ref.no. 18/00586

The Department of Animal- and Aquacultrual Sciences, Faculty of Biosciences, at the Norwegian University of Life Sciences (NMBU) has a senior researcher position in animal nutrition.

The Faculty of Biosciences is organized in two departments: Department of Animal and Aquacultural Sciences and Department of Plant Sciences. The Faculty has the main goal of advancing sustainable agriculture through basic and applied research on plants and animals including fish (aquaculture). The faculty employs approximately 240 scientists, technicians, and administrative personnel. Around 480 bachelor and master students and 90 PhD students are enrolled in educational programmes within the faculty, offering a stimulating and supportive learning environment.

The Department of Animal and Aquacultural Sciences (IHA) is recognized as a leading international institute in the fields of ethology, breeding and nutrition. Our expertise encompasses animal housing and management, feed technology and metabolism, and quantitative and molecular genetics.

IHA is currently inviting applications for a full-time, 5-year senior researcher position, with possibilities for extension depending on available funding. The position is jointly funded by Foods of Norway, a prestigious Centre for Research-based Innovation, and the project “FeedMileage - Efficient use of feed resources for a sustainable Norwegian food production”, funded by the Research Council of Norway and closely tied in with Foods of Norway.

Foods of Norway (www.foodsofnorway.net) is hosted by IHA and comprises partners with a broad multidisciplinary expertise from three faculties at NMBU and 18 research and innovation partners from the forestry, aquacultural and agricultural sectors. Foods of Norway’s goal is to make Norwegian fish and animal farming industries more competitive and innovative by developing novel feed ingredients from bioresources and ensuring efficient feed resource utilization.

FeedMileage aims to improve utilization of national fibre-rich feed resources, increase genetic robustness and improve gut health of the animals. A further goal is to reduce the environmental impact of this production sector through lowered greenhouse gas emissions and reduced nutrient excretion. The project is a collaboration between the Faculty of Biosciences (host) and the Faculty of Veterinary Medicine at NMBU.

Research project
The research project involves evaluating novel feed ingredients in diets for monogastric animals and farmed fish. The candidate will be mainly associated with work package 2 (impact of novel and improved feed ingredients on nutritional value and feed efficiency) in Foods of Norway, and work package 4 (improving the utilization of local feed resources in monogastric animals) in the FeedMileage project. The focus will be on growth performance and health in monogastric farm animals and fish by using established and novel methods.

Main tasks

- To design and conduct growth performance experiments with farm animals or fish i.e., planning, sampling, and sample processing and analyses.
- To develop novel feed ingredient by processing, and to formulate diets for monogastric farm animals and fish.
- To study the impact of novel feed resources and components on animal growth performance and health using state of the art tools (including nutrigenomic tools).
- To process and perform statistical analysis of data.
- To generate scientific publications.
- To help develop research protocols in relevant research areas
- To supervise graduate students and young scientists

Minimum required qualifications

- A PhD degree or equivalent in animal science. Candidates from other disciplines, e.g. veterinary science, food science, human nutrition or biology, may also be considered.
- At least 3 years research experience after obtaining the PhD degree with farm animals, preferably in monogastric animals.

Additional qualifications

- Experience with project leadership
- Hands-on experience with handling of experimental farm animals, collecting data and sampling of blood, organs and tissues for analysis of biological responses in nutritional studies.
- Course in Laboratory Animal Science for Researchers (FELASA C certified) would be an advantage.
- Experience in use of nutrigenomic tools, chromatographical techniques and biochemical assays is also advantageous.
- Excellent knowledge of oral and written English

Desired personal qualities
We are seeking a highly ambitious and creative person with good collaboration skills. It is important that you are organized, work efficiently and can deliver according to goals and milestones of the projects. The successful candidate has a collaborative attitude, functions well in teams and demonstrate good communication skills.

The candidate must not have any allergies that could affect their work with feed, chemicals or farm animals.

Remuneration
The position is placed in code 1109 Researcher on the government pay scale, pay grade 57-77 (currently NOK 490.900 - 722.400), depending on qualifications and seniority. Pay increases are according to seniority.

Further information
Prof Margareth Øverland, E-mail margareth.overland@nmbu.no, +47 6723 2655 or Dr. Liv Torunn Mydland, E-mail liv.mydland@nmbu.no +47 6723 2635

Application
To apply online for this vacancy, please click on the **'Apply for this job'** button above. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not done so already) and log in before completing the online application form.

Application deadline: 15th March 2018

Applications should include (electronically) a cover letter, curriculum vitae, full publication list, copy of up to five selected peer review articles, copies of degree certificates and transcripts of academic records (all certified), and a list of two persons who may act as references (with phone numbers and e-mail addresses). Publications should be included electronically by the application deadline.
Printed material which cannot be sent electronically should be sent by surface mail to the relevant department at the Norwegian University of Life Sciences, P.O. Box 5003, NO-1432 Ås, by 15th March 2018**.** Please quote reference number 18/00586.

If it is difficult to judge the applicant’s contribution for publications with multiple authors, a short description of the applicant’s contribution must be included.

A compulsory contribution of 2 % is made to the Norwegian State Pension Fund. A good working environment is characterized by diversity. We encourage qualified candidates to apply, irrespective of gender, physical ability or cultural background. The workplace will if necessary be facilitated for persons with disabilities.

According to the Freedom of Information Act § 25 the list of applicants for this position may be made public irrespective of whether the applicant has requested that his/her name be withheld.

Jobbnorge-ID: 147280, Søknadsfrist: Avsluttet