Norwegian University of Life Sciences

Jobbnorge-ID: 139369
Søknadsfrist: Avsluttet
Nettside:
Omfang:
Varighet:

Postdoctoral fellowship in feed ingredient processing and animal nutrition - Ref.no 17/02208

The Faculty of Biosciences (www.nmbu.no/en/faculty/biovit) contributes to the development of sustainable agriculture and food production systems through basic and applied research in plants, animals and fish (aquaculture). The Faculty is organised in two departments: Department of Animal and Aquacultural Sciences (IHA) and Department of Plant Sciences (IPV).

IHA is currently inviting applications for a full-time, 3-year postdoctoral fellowship, 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 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.

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.

Research project
The candidate will be mainly associated with work packages 1 and 2 in Foods of Norway that focus on developing novel feed ingredients and upgrading the nutritional value of existing feed ingredients by novel processing technology, and on evaluating the effect of diets based on novel feed ingredients on growth performance and health of farmed fish and monogastric animals.

Main tasks

- Develop novel feed ingredients and upgrade the nutritional value of existing feed ingredients.
- Formulate diets and participate in feed production.
- Design and conduct experiments to assess the impact of novel/functional feeds in Atlantic salmon and other monogastric animals (pigs and broiler chickens) on growth performance and health.
- Processing and statistical analysis of data.
- Generate scientific publications.

Minimum required qualifications

- A doctoral degree in feed or food ingredient processing, animal nutrition, or related discipline.
- Appropriate research experience and training in feed/food ingredient processing and feed technology, and in nutritional experimental design, preferably in monogastric farm animals.
- Experience in statistical design and analysis.
- The candidate must not have any allergies that could affect their work with feed, chemicals or farm animals.

Additional qualifications

- Experience in the use of processing equipment (e.g. spray drying, filtration, fractionation).
- Experience in chromatographical techniques and biochemical assays.
- Excellent knowledge of oral and written English

Desired personal qualities
We are seeking a highly ambitious, creative candidate with the potential to become a top research scientist. The successful candidate will have team-work aptitude and good communication skills.

Remuneration
The position is placed in code 1352 Postdoctor on the government pay scale, pay grade 57-65 (currently NOK 489.300 - 567.100), 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: 7th August 2017

Applications should include (electronically) a cover letter, curriculum vitae, full publication list, 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 **7th August 2017.** Please quote reference number 17/02208.

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.

Tilleggsinformasjon

Arbeidssted: