Norges miljø- og biovitenskapelige universitet

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 5100 students, and is currently located on two campuses - Ås, about 30 km south of Oslo, and Adamstuen in Oslo. In 2019, 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

Systems biology informatics manager for the Digital Salmon - Ref.no 16/00453

The Department of Animal and Aquacultural Sciences seeks a bioinformatician or systems biologist with skills or interest in ontological annotation, semantic interoperability or knowledge management for a researcher position (3 years with possibility of extension). The successful candidate will be central in establishing a knowledge base for the systems biology of farmed salmon, and will work within the Centre for Integrative Genetics (CIGENE).

Research project
The project “Towards the Digital Salmon: From a reactive to a pre-emptive research strategy in aquaculture (DigiSal)” is part of Digital Life Norway, the first call dedicated to systems biology by the Research Council of Norway. Effective management of data and model resources is key in this endeavour, and DigiSal will initiate The Digital Salmon: a knowledge base of salmon genetics and physiology, interfacing closely with complementary databases, repositories, and research infrastructures such as ELIXIR. This knowledge base is a key deliverable of the Digisal project and the long-term ambition is that it will enable aquaculture industry to quickly address emerging challenges, quickly reanalysing existing data and identifying knowledge gaps to rapidly acquire required new data.

Main tasks
The successful applicant will help design the architecture of the Digital Salmon knowledge base, in close interaction with the researchers that will contribute to and benefit from the knowledge base, and with partners that provide technical solutions. Users include bioinformaticians and wet-lab researchers who generate omics data and microscopy images, and systems biologists who develop physiological models e.g. of salmon metabolism.

Academic qualifications
Required

- PhD in relevant field of informatics, bioinformatics or systems biology.

Preferred

- Experience with semantic web standard technologies and semantic annotation.
- Familiarity with knowledge management in cross-disciplinary biology research projects.

Desired

- Familiarity with relevant European research infrastructures and data or model repositories.
- Basic understanding of mathematical modelling in biology.
- Experience in web development.
- Experience in software development.

Desired personal qualities
The systems biology informatics manager will be central in integrating data and models to facilitate transdisciplinary research for salmon production. Thus, the following personal characteristics are important:

- Excellent ability to synthesize information: Collect user requirements, prioritize them, and propose practical solutions.
- Good English skills
- Ability to communicate well with biological researchers to identify users’ needs and promote effective use of the knowledge management system.
- Willingness to spend shorter stays at collaborating institutions
- Ability for independent work displaying initiative, creative and careful thought

NMBU offers:

- The national node for digital production biology within Digital Life Norway, with great opportunities for cross-disciplinary theoretical-experimental, applied research.
- Beautiful surroundings just outside Oslo.
- A sociable and inclusive work environment.
- Good welfare schemes.

Remuneration
The position is placed in government pay scale position code 1109 Researcher, pay grade 57-65 (currently NOK 483 400-560 400), depending on qualifications and seniority.

Further information
For further information, please contact Dr. Jon Olav Vik, Researcher.
E-mail: jonovik@gmail.com; phone +47 67232725

Application
The deadline for application is Thursday, February 25, 2016.
Apply online at jobbnorge.no by clicking on the 'Apply for this job' button above. Please include a cover letter highlighting your suitability for the position, curriculum vitae including experience with similar work, list of any relevant publications, 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).

A compulsory contribution of 2 % is made to the Norwegian Public Service 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: 121417, Søknadsfrist: Avsluttet