Professorship in Fisheries Genetics

Applications are invited for a position as professor in Fisheries Genetics. The professorship is affiliated with the National Institute of Aquatic Resources (DTU Aqua), Section for Marine Living Resources, Research Group for Population Genetics in Silkeborg.

The main research area of population genetics is research on distribution of genetic/genomic resources within and among wild and aquaculture populations in marine and freshwater to describe how processes such as local adaptation, climate change and fishing affect the distribution of resources in time and space. Additionally, genetic traceability tools are developed.

Responsibilities and tasks
The primary research focus of the professor is population genetic structure of commercially and recreationally exploited marine, freshwater and anadromous species, coupled with application and implementation of genetic stock identification methods, such as individual assignment and mixed stock analysis, for fisheries management and traceability of fish and fish products.

Research is also expected to involve identification of local adaptations by means of genomics methods, and evaluation of evolution at the genomic level induced by global change and fisheries/exploitation regime. Research in methods for genetic population monitoring will include retrospective DNA analysis based on archival samples.

The successful candidate is expected to ambitiously contribute in shaping and directing the research area as appropriate for a leading technical university, including fostering cooperation with relevant DTU departments, such as the Department of Systems Biology as well as other national and international collaboration partners. The successful candidate is expected to further develop the research team in fisheries genetics and is expected to engage in a leading role in large international collaborative projects, and to coordinate and implement an expanded use of genetic/genomics methods in several aspects of fisheries science. This includes organising cooperation.

Other duties of the professor include (1) taking a lead position in teaching at the bachelor-, master- and PhD levels, (2) providing advice on sustainable exploitation of aquatic resources on national and international levels, with particular emphasis on genetic resources and biodiversity in exploited marine and freshwater systems under global change.

Qualifications
The position is intended for a candidate with an outstanding track record of internationally acknowledged research in marine population, conservation or fisheries genetics, including giving advice to public authorities, international advisory bodies, industry and other stakeholders.

Furthermore, the candidate must have a strong profile within the fields of population genetics/genomics and application and implementation of genetically based methods in fisheries science and management. In this context, the professorship will serve to strengthen the coupling between population genetics/genomics, fish ecology and fisheries management.

Employment implies original research at the highest international level within all the above research themes (population genetics and genomics, identifying local adaptation, fisheries science under global change). In order to secure the desired strengthening of the coupling between population genetics and fisheries science and -advice, the applicant is expected to be able to demonstrate considerable interdisciplinary activities.

An outstanding record in research leadership, including i) visionary strategic development of the research area, ii) planning, implementing and running innovative multidisciplinary research projects and iii) coordinating input to and leading work of national and international advisory groups is required.

Assessment
In the assessment of the candidates consideration will be given to

- the ability to teach
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results

- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area
- visions within the research area

Salary and terms of employment
The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

Further information
Further information may be obtained from Head of Department Fritz Köster, +45 3396 3300, email: fwk@aqua.dtu.dk.

You can read more about DTU Aqua on www.aqua.dtu.dk

Application procedure:
We must have your online application by **XXX 2013**.

Applications must be submitted as **one pdf file** containing all materials to be given consideration. To apply, please open the link "apply for this job online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter)
- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future activities

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.