

## Professor/Associate Professor in Molecular Biology

**Professor/Associate Professor in Molecular Biology/Bioinformatics at Faculty of Bioscience, Fisheries and Economics, Department of Arctic and Marine Biology, the University of Tromsø**

**Application deadline: 31.01.12**

**The following reference number must be quoted in your application: Ref. 2011/5310**

The University of Tromsø has a position vacant as Professor/Associate Professor in Molecular Biology/Bioinformatics. The position is attached to Department of Arctic and Marine Biology, and should complement current molecular biological research at the Department with computational approaches to contemporary biological questions and thus facilitate the link between biology and computational data generation and handling.

For further information, please contact Head of Department Mette Marianne Svenning, phone +47 77 64 68 81 ([mette.svenning@uit.no](mailto:mette.svenning@uit.no)).

**Qualifications required:** In order to be awarded a professorship, applicants shall be able to document substantially more extensive research of high quality than that required to attain a doctorate degree. For permanent appointments as Associate Professor, the minimum requirement is a Norwegian doctoral degree in biology or bioinformatics or an equivalent qualification within the field.

The applicant must document familiarity with statistical programming environment (e.g. R), programming languages, relational database systems and large data set analysis, including sequence data and/or population genetics data. Experience in modelling and visualization of data for systems biology approaches would be of additional benefit.

It is expected that the successful applicant will actively develop research in an area within Computational Biology, in close collaboration with existing science groups at the department. The generation of large sets of metagenome and metatranscriptome data as well as population genetics data by various groups within the Department is an ideal setting for a candidate with expertise in assembly and alignment of high-throughput genome or transcriptome sequence data, automated homology searches and sequence annotation, phylogeny prediction, genetic polymorphism detection and/or evaluation of population marker sequences.

The applicant must document that he/she has applied bioinformatics methods for questions related to molecular biology and that this work has been recognized at international level (e.g. by peer-reviewed publications).

The successful applicant should be team-oriented and willing to support existing and future projects with his/her know-how and contribute to the establishment of novel areas at the fast developing interface between Molecular and Computational Biology.

In addition, the applicants' ability for project acquisition, international collaborations and experience with administrative responsibilities will be evaluated. In the application a research plan of the applicant's current activities and ideas for future research should be included, emphasizing his/her ideas of integration into ongoing activities at the Department.

Teaching experience at the university level is required. The successful applicant will teach courses in data analysis using existing databases as well as programming and generation of custom made databases. Teaching responsibilities include the co-supervision or supervision of students at bachelor, master and PhD level.

The applicants must be able to document teaching qualifications in the form of university-level teaching seminars, other teaching education or through having collected a teaching portfolio. In special

circumstances, documented practical teaching skills may also be assessed equally. Teaching portfolio, cf.: <http://uit.no/iplu/6637/13>

Excellent command of written and spoken English and Norwegian (or another Scandinavian language) is mandatory. Foreign applicants not speaking Norwegian will be obliged to learn the language within a reasonable period of time.

**Working conditions:** The main principle is that each employee within the category of both positions shall spend an equal amount of time on teaching and research and development work, after time spent on other duties has been deducted. As a norm the time resources spent on administrative duties constitute 5 % for scientific staff.

The successful applicant must be willing to engage himself/herself in the ongoing development of his/her discipline and the university as a whole and be interested in building up national and international networks.

Employees in permanent posts of professor, dosent (professor), førsteamanuensis (associate professor) and førstelektor (associate professor) are entitled to apply for a paid sabbatical (Research and Development), cf. the [Guidelines for allocation of R&D sabbatical](#) (in Norwegian only).

**Remuneration:** The remuneration for Professor/Associate Professor is in accordance with the State wage scale code 1013 / 1011. A compulsory contribution of 2 % is made to the Norwegian State Pension Fund.

**Department of Arctic and Marine Biology (AMB)** includes 7 research groups that are located in altogether 4 buildings (NFH building, Naturfag building, Arctic Biology building and Climate laboratory building). Research and teaching at AMB has a broad span, from molecular mechanisms at cellular/subcellular levels via studies of adaptations at the organismal level to ecological interactions in aquatic and terrestrial environments. The Department represents a timely and exciting academic unit in biology that will meet future challenges in basic research, industrial and management-oriented research with a strong focus on the North. The Institute cooperates with regional institutions and has extensive national and international research collaboration. The staff counts 40 permanent scientists, 24 technicians, 6 administrative positions and 65 temporary employees (researchers, postdocs, PhD research fellows, technicians).

**Faculty of Biosciences, Fisheries and Economics (BFE)** consists of Department of Arctic and Marine Biology (AMB), Norwegian College of Fishery Science (NFH) and [Tromsø University Business School \(HHT\)](#). The main task of BFE is to conduct teaching and research dissemination at a high national and international level within all relevant fields. Prioritized research areas are aquatic and terrestrial ecosystems, climate, life in the arctic, marine bioprospecting, fish health, marine alimentary products, business and macro economics, resources and environment, markets and management of marine resources. The interdisciplinary profile of the faculty provides good opportunity to develop research projects involving several research groups at the faculty according to its strategy. <http://www.uit.no>

**Evaluation:** Applicants will be assessed by an expert committee. The main emphasis will be placed on assessment of the submitted scientific works. Teaching qualifications, popularisation/dissemination and policy and administration work will also be considered. Applicants must provide names of possible references.

Candidates will be invited to an interview and a lecture to present their recent research and outline plans for this position.

In the event that there are no suitably qualified applicants for the position, an interim appointment for a period of no more than three years may be made in accordance with the Civil Servants Act Section 5.1. A permanent appointment shall be made upon application before the three-year period elapses based on a new evaluation. The appointment will become permanent in the event that the applicant is found to be suitably qualified.

In the event of an interim appointment on the basis of lacking teaching qualifications, the applicant must before the three-year period elapses document teaching qualifications through collecting a teaching portfolio. A permanent appointment shall be made upon application before the three-year period elapses based on a new evaluation. The appointment will become permanent in the event that the applicant is found to be suitably qualified.

The University of Tromsø wishes to recruit female researchers. In the event that two or more applicants are found to be approximately equally qualified, female applicants will be given priority.

Applicants shall also complete and submit the form regarding teaching qualifications, [uit.no/poa/vitenskapelige-stillinger](http://uit.no/poa/vitenskapelige-stillinger)

Applicants must submit a list of all their scientific works including details of publication.

**The application** is to be submitted electronically on the application form available at this page.

***In addition, the application***, including CV, certified copies of diplomas and references, the completed form regarding teaching qualifications and the list of scientific works, must be sent in 4 copies within the closing date for applications, *directly* to:

**Faculty of Biosciences, Fisheries and Economics**  
**University of Tromsø**  
**9037 Tromsø**  
**Norway**

*All documentation that is to be evaluated must be certified and translated into English or a Scandinavian language.*

**THE SCIENTIFIC WORKS** - published or unpublished - the applicant wishes to be taken into consideration during the evaluation process must be submitted in 3 copies arranged as 3 complete sets. The scientific works shall be sent, within the closing date for applications, directly to the Faculty of Biosciences, Fisheries and Economics (as above).

Applicants shall also refer to “Supplementary regulations for appointment to teaching and research positions at the University of Tromsø” (in Norwegian only) and “Regulations concerning appointment and promotion to teaching and research posts”: [uit.no/poa/vitenskapelige-stillinger](http://uit.no/poa/vitenskapelige-stillinger)

Questions concerning the organisation of the working environment, such as the physical state of the place of employment, health service, possibility for flexible working hours, part time, etc. may be directed to the telephone reference in the advertisement.

According to personnel policy objectives that the staff shall reflect the composition of the population in general, both with respect to gender and cultural multiplicity, women and persons with a minority ethnic background in particular are encouraged to apply. The University of Tromsø is an IW (Inclusive Workplace) enterprise, and will try to adapt the working conditions for employees with impaired capacity.

Personal data given in an application or CV will be processed in accordance with the Act relating to the processing of personal data (the Personal Data Act). In accordance with the Freedom of Information Act, section 25, 2nd paragraph, the applicant may request not to be registered on the public list of applicants. The University may nevertheless decide that the name of the applicant will be made public. The applicant will be notified beforehand in the event of such publication.

In case of discrepancies between the Norwegian and the English version of this description, the Norwegian version takes precedence.

**UNIVERSITY OF TROMSØ**  
**N-9037 Tromsø**