



**Jobbnoe-ID:** 110289

**Søknadsfrist:** Avsluttet

**Nettside:**

**Omfang:**

**Varighet:**

## **PhD Candidate in metabarcoding at Tromsø University Museum**

**Application deadline:** 10.03.2015

**Ref.no:** 2015/399

Tromsø University Museum has a PhD position vacant from 1st of July 2015 for applicants who wish to obtain the degree of Philosophiae Doctor (PhD). The position is attached to the research group in taxonomy and biodiversity.

The appointment is for a period of four years.

The PhD position is for a fixed term, with the objective of completion of research training and research to the level of a doctoral degree. Admission to a PhD programme is a prerequisite for employment, and the programme period starts on commencement of the position. The PhD Candidate shall participate in the faculty's organized research training, and the PhD project shall be completed during the period of employment. Information about the application process for admission to the PhD programme, application form and regulations for the degree of Philosophiae Doctor (PhD) are available at [this site](#).

Further information about the position is available by contacting the project leader, Professor Inger Greve Alsos, +47 77 62 07 96, [inger.g.alsos@uit.no](mailto:inger.g.alsos@uit.no), Head of Department Karl Frafjord tel. +47 77 64 57 25, e-mail: [karl.frafjord@uit.no](mailto:karl.frafjord@uit.no) or Museum Director Marit Anne Hauan, tel. + 47 77 64 50 30, e-mail: [marit.hauan@uit.no](mailto:marit.hauan@uit.no).

### **The position's affiliation**

The main objectives of the Tromsø University Museum are research, development and preservation of the museum's collections and dissemination of science to the public. The museum has two academic departments, the Department of Natural Sciences and the Department of Cultural Sciences, with underlying units; Tromsø Arctic-Alpine Botanical Garden, and the Polar Museum and MS Polstjerna.

This position as PhD is attached to the Department of Natural Sciences, which is responsible for developing and maintaining scientific collections of objects (animals, plants, fossils and minerals) as well as public outreach activities. The department engages in research within the fields of taxonomy & systematics, phylogeography, ecology and biological and palaeontological diversity. The department has laboratories for modern and ancient DNA analyses. The department has a permanent staff of 16, of which 9 are in academic positions. For more information about the Department of Natural Sciences, visit [this site](#).

### **The position's field of research/research project and other duties**

The PhD position will be connected to two ongoing projects. 1) The Norwegian Barcode of Life project (NorBol, <http://www.norbol.org/en/>) is a national network of research institutions collaborating on DNA barcoding of organisms in Norway and a regional node in the International Barcode of Life Project (iBOL). For vascular plants, we do low coverage shotgun sequencing of genomic DNA and assemble the whole plastid DNA, nuclear rDNA and large parts of mitochondrial genome. 2) The After Ice DNA Metabarcoding project (<http://en.uit.no/ansatte/inger.g.alsos>) explores the occurrence of boreal species at northern latitudes by ancient DNA analyses using the P6 loop of the plastid DNA trnL (UUA) intron. Lake sediments have been collected at key sites for palaeoenvironmental reconstructions in Norway and Svalbard.

The PhD candidate will bridge these projects by developing laboratory and bioinformatic tools to apply shotgun sequencing on the ancient samples. This will provide valuable data which the candidate will use to explore effects of past climate change on e.g. species turnover, dispersal, extinction, and phylogenetic diversity. In both projects, we collaborate with colleges at the University Joseph Fourier in Grenoble, who run similar projects focused on the Alps, and the candidate is expected to spend a 3-6 month research stay there.

### **Qualification requirements**

The successful applicant must fulfil the requirements for admission to the faculty's PhD programme, cf. Regulation for the degree of Philosophiae Doctor (PhD) at UiT The Arctic University of Norway. In addition, he/she must be able to document proficiency in English equivalent to Norwegian Higher Education Entrance Qualification, referring to the [PhD regulations at UiT](#).

This position requires a Master's degree in biology, preferable related to next generation sequencing including bioinformatics. Skills in computer programming and knowledge of NW European vascular plants are advantageous.

The applicant must present a one page outline with suggestions for the PhD project, including brief descriptions of aims and methods.

Personal suitability will be emphasised.

### **Working conditions**

The normal period of employment is four years. The nominal length of the PhD programme is three years. The fourth year, distributed as 25 % of each year, shall be used for teaching or other duties for the university, cf. [Guidelines for the research fellow's duties](#).

The position may be assigned duties related to dissemination of science, collection management or other work depending on the qualifications of the applicant and the needs of the museum.

Remuneration for the position of PhD Candidate is in accordance with the State salary scale code 1017 (or code 1378) (or both codes depending on qualifications). A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted.

### **Assessment**

The applicants will be assessed by an expert committee. During this assessment process, emphasis will be attached to the applicant's potential for research as shown by:

- Master's thesis or equivalent,
- any other academic works, and
- project outline

In addition, consideration may be given to work experience or other activities of significance for the implementation of the PhD studies, and to any teaching qualifications. This includes teaching education, teaching experience, experience from popularization and experience/education from other types of dissemination. Information and material to be considered during the assessment must be submitted by the stipulated deadline.

The applicants who are assessed as the best qualified will be called to an interview. The interview shall among other things aim to clarify the applicant's personal suitability for the position.

### **Application**

The application must be submitted electronically via the application form available on [jobbno.no](http://jobbno.no).

The application must include:

- Letter of application
- Proposal for project description
- CV (containing a complete overview of education, supervised professional training and professional work)
- Copies of:
  - diploma and transcript from your Bachelor's degree or equivalent
  - diploma and transcript from your Master's degree or equivalent
  - diploma supplement for completed degrees
  - documentation of English language proficiency
  - project description (if required)
- List of works and description of these (see below)

The list of works shall contain the following information:

- author(s), the work's title
  - for articles: the journal's name and volume, the first and last page of the article, year of publication
  - for publications: publisher, printer, year of publication, number of pages
- The works (published or unpublished) which the applicant wishes to be taken into consideration during the assessment process must be submitted
  - List of references with contact information.

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

***Information and material to be considered during the assessment must be submitted by the stipulated deadline.***

Applicants shall also refer to the [Supplementary regulations for appointment to postdoktor \(Postdoctoral Fellow\), stipendiat \(PhD\) and vitenskapelig assistent \(Research Assistant\) positions at UiT The Arctic University of Norway](#) and to the [Regulations concerning terms and conditions of employment for posts of postdoktor \(Postdoctoral Fellow\), stipendiat \(PhD\), vitenskapelig assistent \(Research Assistant\) and spesialistkandidat \(Resident\). \(In Norwegian only\)](#).

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. as well as questions about the PhD programme may be directed to the telephone reference in this announcement.

UiT has HR policy objectives that emphasize diversity, and encourages all qualified applicants to apply regardless of their gender, functional ability and national or ethnic background.

UiT is an IW (Inclusive Workplace) enterprise, and will emphasize making the necessary adaptations to the working conditions for employees with reduced functional ability.

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 Section 25 subsection 2 of the Freedom of Information Act, the applicant may request not to be registered on the public list of applicants. However, the University may nevertheless decide that the name of the applicant will be made public. The applicant will receive advance notification in the event of such publication.

## **Tilleggsinformasjon**

### **Arbeidssted:**