

NTNU - knowledge for a better world

The Norwegian University of Science and Technology (NTNU) in Trondheim represents academic eminence in technology and the natural sciences as well as in other academic disciplines ranging from the social sciences, the arts, medicine, teacher education, architecture to fine art. Cross-disciplinary cooperation results in innovative breakthroughs and creative solutions with far-reaching social and economic impact.

The NTNU University Museum, Department of Natural History

The NTNU University Museum is one of Norway's leading institutions in all aspects related to natural and cultural history collections, from making them accessible, to studying, conserving and safeguarding them for future generations.

The Department of Natural History (INH) manages and contributes to the Museum's natural history collections. The Department conducts research in biogeography, biosystematics, and ecology with an emphasis on conservation biology. The two botanical gardens, Ringve and Kongsvoll, form part of this department.

PhD-position in Archaeological Genomics

The NTNU University Museum is seeking a highly qualified, ambitious and motivated candidate for a PhD-position in human archaeological genomics (human population genetics, molecular evolution, biodiversity). The appointment has a duration of 3 years. The position is available from December 1, 2018, thus master students graduating before December 1st 2018 can apply.

Job description

The project is interdisciplinary, and the work of the PhD-candidate will be closely associated with the BioCulture research group (including members of the Department of Natural History, Department of Archaeology and Cultural History and The National Laboratory for Age Determination), as well as the Systematics and Evolution (SEG) at the Department of Natural History. The project is financed by the NTNU University Museum.

The successful candidate will conduct his/her research in a project focusing on understanding how historical catastrophes and epidemics have contributed to genomic and epigenomic changes of the Trondheim human population over the last 1000 years. The project will involve work in the field as well as in the laboratory, and the research group will collaborate with international groups within the area. The PhD will be a Joint Doctorate between NTNU and University of Copenhagen (i.e., so-called Cotutelle degree, joint supervision and PhD degree issued from both institutions), and the candidate will spend one year working at the latter institution.

Qualifications

Required qualifications of the successful applicant:

- By the time of commencement of the position, a Master's degree (or equivalent) in evolutionary biology, population genetics or closely related fields
- Excellent results from their education or through later research activity
- Good written and verbal communication ability in English
 - Experience in human genomic data generation and analysis, specifically familiarity with unix command-line
 - Experience with Next generation sequencing (NGS) laboratory methods related to generation and analyses of ancient DNA

Personal characteristics we are looking for:

- Good cooperative skills
- Motivated
- Able to deliver
- Highly goal-oriented

The successful applicant must fulfill the requirements of PhD-students at NTNU and University of Copenhagen, and apply for admission to the PhD-study as soon as possible and no more than 3 months after the appointment.

The position requires spoken and written fluency in the English language. Applicants from non-English-speaking countries outside Europe must document English skills by an approved test. Approved tests are TOEFL, IELTS and Cambridge Certificate in Advanced English (CAE) or Cambridge Certificate of Proficiency in English (CPE).

The evaluation of candidates will be based on:

- Submitted documents, i.e., MSc thesis, project description or equivalent documents
- Scientific publications
- Grades from relevant university-level courses
- Application/cover letter including a description of how this position fits the career plan and interests of the applicant
- Collaborative skills (references)
- An interview (of short-listed candidates)

Admission to PhD programs at NTNU require a MSc (or equivalent) with at least 5 years of studies and an average grade of A or B within a scale of A-E for passing grades (A best) for the two last years of the MSc, as well as an average grade of C or better of the BSc studies. Candidates from universities outside Norway are kindly requested to send a Diploma Supplement or a similar document that describes in detail the study and grade system and the rights for further studies associated with the obtained degree: ec.europa.eu/education/tools/diploma-supplement_en.htm.

Information about the department

The project is interdisciplinary and builds on collaboration between biologists and archaeologists both at NTNU University Museum and University of Copenhagen. The Department of Natural History at the NTNU University Museum has 16 faculty positions, 12 PhD students and 16 technical and administrative positions. The department's research activity is facilitated through two research groups: the Systematics and Evolution Group and the Conservation Biology Group. The Department cooperates formally with the NTNU Department of Biology and is also responsible for teaching biosystematics (systematics, taxonomy, biogeography, floristics, faunistics) at the university.

Further information about the department is available at <https://www.ntnu.edu/inh>

The NTNU University Museum is located in historic Trondheim, Norway's third most populous municipality. Nestled at the meeting of the Nidelva River and the Trondheim Fjord, the mountainous surrounding area boasts many opportunities for hiking, skiing, fishing, and other outdoor activities. Trondheim itself offers exciting activities for students as well as good connections to major European transport hubs. More information about Trondheim here: en.wikipedia.org/wiki/Trondheim. Information about Norway's consistent top placement in global quality-of-life rankings can be found here: oecdbetterlifeindex.org/countries/norway/.

Salaries

The PhD-position follows code 1017, starting grade 50, gross NOK 442 400 per annum (before tax). There will be a 2 % deduction to the Norwegian Public Service Pension Fund from gross salary.

Other information

The terms of employment will be in accordance with existing national regulations of 31 January 2006, with NTNU's supplementary regulations of 1 August 2012. The applicant must commit to undertake organized PhD studies within the employment period. Employment as a PhD candidate requires admission to the PhD program in Biology at the Faculty of Natural Sciences. The best qualified applicants will be invited to an interview. Information about the applicants may be open to public inspection under the Freedom of Information Act.

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The employee is expected to accept possible changes in work tasks.

For more information about the museum see: <https://www.ntnu.edu/inh>

It is a major political objective to achieve a balance of age and gender in the national labour force and to recruit people with an immigrant background. Accordingly, immigrants are encouraged to apply for all advertised positions.

Further information about the department and the open position can be obtained from Professor Hans K. Stenøien, phone: +47 918 975 92, e-mail hans.stenoien@ntnu.no, or Head of Department Torkild Bakken phone: +47 911 11 179, e-mail torkild.bakken@ntnu.no.

The application

Applications must be submitted electronically through www.jobbnorge.no with the following attachments:

1. CV
2. Certificates for Bachelor degree, and Masters degree (if obtained at the time of application)
3. Copies of scientific publications and other scientific work of relevance (including a short explanation of the applicant's contribution in cases where there is more than one author)
4. Copies of transcripts (including copies of documentation on English language proficiency test for non-English applicants)
5. Written documentation of relevant experience
6. Contact information of references
7. Statements about how this position would fit career plan and interest of the applicant.

Please mark the application 2018/18154 .

Applications submitted elsewhere will not be considered.

Application deadline: July 15, 2018.

Jobbnorge-ID: 154078, Søknadsfrist: Avsluttet