

The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life. On 1 January 2016, NTNU will merge with the University Colleges of Ålesund, Gjøvik and Sør-Trøndelag. The merger will give us more comprehensive educational offerings and larger research environments. Together, our four institutions will create Norway's most exciting, innovative and largest university.

Faculty of Natural Sciences and Technology
Department of Biology

PhD positions in Biology

Two PhD positions are available at the Department of Biology. The appointments are for 3 years, with the possibility of 1 extra year with 25% teaching duties in agreement with the department. The positions is financed by the Department of Biology.

Further information about the Department can be found at <http://www.ntnu.edu/biology>

Job description

Detailed information on our PhD programs is available at: <http://www.ntnu.edu/nt/research/phd>, Extended project descriptions are available at: <https://www.ntnu.edu/biology/phd>

Qualifications

The applicant must have an MSc (or equivalent) in the relevant research field specified. Prospective candidates are requested to first contact the specified contact person under each project title, prior to applying for the position.

The successful candidate should be creative and strongly motivated, and have a strong ability to work problem oriented. He/she should also enjoy interdisciplinary research and take keen interest in learning and working in teams.

The positions require fluency in spoken and written 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 regulations for PhD programs at NTNU state that a Master degree 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 is required and C or higher of the BSc. Candidates from universities outside Norway are kindly requested to send a Diploma Supplement or a similar document, which describes in detail the study and grade system and the rights for further studies associated with the obtained degree:
http://ec.europa.eu/education/tools/diploma-supplement_en.htm

Terms of employment

The appointment of the PhD fellows will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees. Applicants must agree to participate in organized doctoral study programs within the period of the appointment and have to be qualified for the PhD-study.

NTNU's personnel policy objective is that the staff must reflect the composition of the population to the greatest possible extent.

The position as PhD is remunerated according to the Norwegian State salary scale. There is a 2% deduction for superannuation contribution.

Further information can be obtained by contacting the professor listed below for the respective projects, Department of biology, NTNU

- The transfer of energy from protozooplankton to larval fish in a warming ocean (contact person: Assoc. professor Nicole Aberle-Malzahn, email: nicole.aberle-malzahn@ntnu.no)
- The effects of temperature on the developmental toxicity of organophosphate compounds in fish (contact person: Professor Augustine Arukwe; email: arukwe@bio.ntnu.no)
- Optimizing lipid profiles of plants/algae for feed/food/industrial use. (contact person: Professor Atle M. Bones; email: atle.m.bones@ntnu.no)
- Efficient reuse of water and nutrients in aquaponic systems combining production of fresh water and marine fish with plants and algae. (contact person: Professor Atle M. Bones; email: atle.m.bones@ntnu.no)
- Biodiversity in heterogeneous environments (contact person: Professor Bente J. Graae (email: bente.j.graae@ntnu.no))
- Effects of phenotypic variation on spatial population dynamics (contact persons: Assoc. Prof. Vidar Grøtan; email: vidar.grotan@ntnu.no)
- Ecotoxicology expanded: individual and population responses to combined effects of temperature and toxic compounds using Daphnia as a model organism (contact person: Assoc. Professor Veerle Jaspers; email: veerle.jaspers@ntnu.no)
- The genomics of adaptation to global warming: a thermal tolerance experiment in zebrafish (contactperson: Assoc. professor Fredrik Jutfelt; email: fredrik.jutfelt@ntnu.no)
- Evolution of thermal tolerance and its relation to pace of life syndromes. (contact person: Assoc. professor Fredrik Jutfelt; email: fredrik.jutfelt@ntnu.no)

- Detoxification, tolerance, genotoxic and cellular effects of inorganic and organic compounds (PAH/PCB) on marine algae. (contact person: Assoc. professor Åse Krøkje; email: ase.krokje@ntnu.no)
- Effects of petroleum oil on lipid metabolism in Calanoid species (contact person: Professor Rolf Erik Olsen, email: rolf.e.olsen@ntnu.no)
- Functional relationships between telomere dynamics, physiology and life history traits in a small passerine bird, the House sparrow (*Passer domesticus*) (contact person: Assoc. professor Thor. H. Ringsby, email: thor.h.ringsby@ntnu.no)
- Understanding the Sea Lice parasite - host metabolic interaction (contact person: Assoc. professor Per Winge, email: per.winge@ntnu.no)
- Physiology and ecology of gonad development in a keystone marine fish species. (contact person: Professor Trond Amundsen, email: trond.amundsen@ntnu.no)

Extended project descriptions are available at: <https://www.ntnu.edu/biology/phd>

The application

Applications with CV, certificates from both Bachelor and Master, possible publications and other scientific works, copies of transcripts, (copies of documentation on English language proficiency test) and reference letters should be submitted.

Candidates can apply within a maximum of two projects. Mark clearly which projects you are applying.

Applications must be submitted electronically through this page.

Applications submitted elsewhere will not be considered.

The reference number of the position is: NT- 86/14

Application deadline: February 1, 2016

Jobbnorge-ID: 120545, Søknadsfrist: Avsluttet