NTNU
Kunnskap for en bedre verden

Jobbnorge ID: 219982
Deadline: 2/20/2022
Website: http://www.ntnu.no
Scope: Fulltime
Duration: Permanent

The NTNU University Museum has a vacancy for

Head Engineer at the National Laboratory for Age Determination

This is NTNU
NTNU is a broad-based university with a technical-scientific profile and a focus in professional education. The university is located in three cities with headquarters in Trondheim.

At NTNU, 9,000 employees and 42,000 students work to create knowledge for a better world.

Video: https://youtu.be/Xt-yHCN5QS0

About the position
We have a vacancy for Head Engineer at The National Laboratory for Age Determination.

The successful candidate will be organized, independent, and able to show initiative while interacting with colleagues. As the laboratory consists of a small group of people, communication within the group is extremely important.

The task distribution will vary depending on demand in the laboratory. The successful candidate is expected to distribute their efforts accordingly.

You will report to the leader of The National Laboratory for Age Determination.

Duties of the position
- Measurement of tree-ring samples for dendrochronological analysis.
- Determination of wood species in charcoals and wood samples by microscopic wood anatomy. This will need some degree of focused study depending on previous experience and evolution of sample in the lab.
- Interaction with users and sample administration. This implies: logging new submissions, taking responsibility for sample handling in the laboratory, archiving sample related documents (both in paper and electronic form), and answering questions regarding the services provided by the laboratory.
- Supervision of junior personnel.

The position will also include these tasks:

- Contribution to the organization of the laboratory including overseeing and ordering consumables.
- Chemical preparation of samples for radiocarbon dating.
- Routine operation of an isotope ratio mass spectrometer (IRMS).
- Maintenance work on equipment in offices and laboratories.
- Database development for tracking samples in dendrochronology might eventually be included.

Required selection criteria
- Bachelor/master from university or technical high school in a relevant field. Prior learning and work experience relevant to the duties in question may compensate for the education requirement.
- 5 years of work experience in a laboratory environment is required.
- Familiarity with common computer programs and willingness to learn new computer programs for instruments and documentation is essential.
- Good communication skills - oral and written, in a Scandinavian language and English.

During interview there will be presentation of some of the equipment and a short test.

Preferred selection criteria
- Previous experience with tree-ring measurements or wood species determination by microscopic wood anatomy is strongly favored.
- Knowledge of different analytical techniques, e.g. mass spectrometry, IR-spectrometry, XRF, is preferred.

- Experience in maintaining scientific equipment and instruments, including small repairs is an advantage.
- Candidates with knowledge of technical or scientific programs will be preferred. Programming and database development experience will be considered.

Personal characteristics
- comfortable working at a microscope for long hours.
- comfortable with/prepared for learning new skills.
- organized, independent, and able to show initiative while interacting with colleagues

We offer
- exciting and stimulating tasks in a strong international academic environment
- an open and inclusive work environment with dedicated colleagues
- favourable terms in the Norwegian Public Service Pension Fund
- employee benefits

Salary and conditions
Head Engineer are remunerated in code 1087, and are normally remunerated at gross from NOK 500.000 to 560.000 per annum before tax, depending on qualifications and seniority. From the salary, 2% is deducted as a contribution to the Norwegian Public Service Pension Fund.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and the acts relating to Control of the Export of Strategic Goods, Services and Technology. Candidates who by assessment of the application and attachment are seen to conflict with the criteria in the latter law will be prohibited from recruitment to NTNU. After the appointment you must assume that there may be changes in the area of work.

The position is subject to external funding.

It is a prerequisite you can be present at and accessible to the institution daily.

About the application
The application must include (Departments to choose from the following):

- CV, certificates, and diplomas
- Name and address of three referees
- If you have publications or other relevant research work

If all, or parts, of your education has been taken abroad, we also ask you to attach documentation of the scope and quality of your entire education, both bachelor's and master's education, in addition to other higher education. Description of the documentation required can be found here. If you already have a statement from NOKUT, please attach this as well.

Joint works will be considered. If it is difficult to identify your contribution to joint works, you must attach a brief description of your participation.

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal and interpersonal qualities. Motivation, ambitions, and potential will also count in the assessment of the candidates.

General information
A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background.

The city of Trondheim is a modern European city with a rich cultural scene. Trondheim is the innovation capital of Norway with a population of 200,000. The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world. Professional subsidized day-care for children is easily available. Furthermore, Trondheim offers great opportunities for education (including international schools) and possibilities to enjoy nature, culture and family life and has low crime rates and clean air quality.

As an employee at NTNU, you must at all times adhere to the changes that the development in the subject entails and the organizational changes that are adopted.

Under the Freedom of Information Act (offentleglova), your name, age, position and municipality may be made public even if you have requested not to have your name entered on the list of applicants.

If you have any questions about the position, please contact Marie-Josée Nadeau, telephone 91840294, email marie.nadeau@ntnu.no. If you have any questions about the recruitment process, please contact Håvar Meyer Bratt, e-mail: haavar.bratt@ntnu.no.

Please submit your application and supporting documentation via jobbnorge.no. If you are invited for interview, you must bring certified copies of certificates and diplomas.

Application deadline: 20.02.2022

NTNU - knowledge for a better world

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The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.

The National Laboratory for Age Determination

Our subject areas are dendrochronology and radiocarbon dating. We determine the age of archaeological and geological material, and provide chronological dating for research, heritage management and private-sector organizations. The staff conduct research on dating methods and their application. Our own history dates back to 1953, and since then the laboratory has been a leader in radiocarbon dating. [The National Laboratory for Age Determination](#) is a section in the [NTNU University Museum](#).

Additional information

Place of service:
Trondheim 7491 Trondheim (Trondheim Municipality)