Jobbnorge ID: 274005
Deadline: 3/21/2025
Website: http://www.ntnu.no
Scope: Fulltime
Duration: Project

We are looking for

PhD Fellow in Hybrid PET/MR Technology for Targeted Breast Cancer Imaging

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 43,000 students work to create knowledge for a better world.

You will find more information about working at NTNU and the application process here.

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

About the position

We seek a highly motivated PhD candidate for a three-year PhD position, at the Department of Circulation and Medical Imaging, NTNU in Trondheim, Norway. The position will start autumn 2025, and no later than October 1st.

For a position as a PhD Candidate, the goal is a completed doctoral education up to an obtained doctoral degree. The appointment involves research in the CiMORE research group and the research center 180°N - Norwegian Nuclear Medicine Consortium in the MR research unit. The overall aim in this research environment is to contribute to improved and patient-tailored management of cancer. Our translational approach to cancer research benefits from the close integration between NTNU and St. Olavs University Hospital. The elected candidate will work in a multidisciplinary research community with broad competence and experience in oncology and imaging diagnostics in the integrated university hospital.

The position is funded by the Liaison Committee between the Central Norway Regional Health Authority (RHA) and the Norwegian University of Science and Technology (NTNU) and involves employment on the project: “Piloting 18F-FAPI PET/MRI for applications in breast cancer”.

Your immediate leader is Beathe Sitter (beathe.sitter@ntnu.no).

Duties of the position

The candidate will have a key role in the collaboration with the multidisciplinary breast cancer team and the clinical staff at the PET centre at St. Olavs hospital. The main aims of the project are to implement 18F-FAPI-PET/MRI as a new diagnostic method for breast cancer patients at St. Olavs Hospital and evaluate its diagnostic performance. Tasks of the successful candidate will include patient inclusion, extracting relevant clinical data, and PET/MRI acquisition and analysis. The PhD candidate, together with the project group, will assess the method against established clinical criteria for breast cancer. The candidate is also expected to disseminate new knowledge through publications in internationally recognized scientific journals and contribute to international conferences. The PhD programme includes 30 ECTS of coursework and an independent academic work in the form of a doctoral thesis, estimated to take 2.5 years. Upon completion, the candidate must defend their dissertation in a public PhD defence.

Required selection criteria

- You must have a professionally relevant background in medicine, radiology, medical technology, physics, radiography, nuclear medicine or similar scientific areas. We especially encourage applications from nuclear medicine physicians
- Your education must correspond to a five-year Norwegian degree program, where 120 credits are obtained at master's level
- You must have a strong academic background from your previous studies and an average grade from the master's degree program, or equivalent education, which is equal to B or better compared with NTNU's grading scale. If you do not have letter grades from previous studies, you must have an equally good academic basis. If you have a weaker grade background, you may be assessed if you can document that you are particularly suitable for a PhD education.
- Master's students can apply, but the master's degree must be obtained and documented by July 1st 2025.
- You must meet the requirements for admission to the faculty's doctoral program PhD programme in Medicine and Health Sciences or PhD programme in Medical Technology.

If you cannot document skills in Norwegian, Swedish or Danish at level A2 upon employment, you must complete Norwegian courses corresponding to at least 15 credits before the end of the employment period. NTNU will facilitate this.

The appointment is to be made in accordance with Regulations for the Universities and Colleges Act (university and colleges regulations) and Regulations for the degrees philosophiae doctor (ph.d.) and philosophiae doctor (ph.d.) in artistic development work at the Norwegian University of Science and Technology (NTNU) for general criteria for the position.

Preferred selection criteria

- Documented experience in PET imaging
- Documented experience in image analysis
- Documented experience with performing clinical studies
- Documented experience from interdisciplinary teamwork
- Strong motivation for the position
- Documented experience in communication to peers and the public
- Good written and oral English
- Good oral Norwegian / Scandinavian language

Personal characteristics

- Analytical and structured thinking
- Ability to work independently
- Curiosity and an innovative approach
- Strong collaboration skills
- Excellent oral and written communication skills
- Proactive and solution-oriented

Emphasis will be placed on personal and interpersonal qualities.

We offer

- exciting and stimulating tasks in a strong international academic environment
- an open and inclusive work environment with dedicated colleagues
- As a public employee, you have favourable benefits as a member of the Norwegian Public Service Pension Fund (SPK)

You will be employed as a PhD Candidate at NTNU and will have access to employee benefits and discounts.

Diversity

Diversity is a strength, and at NTNU we aim to be an employer that reflects the diversity in society and that makes use of the potential of the population's collective skills. Our vision is Knowledge for a better world and our values are creative, critical, constructive and respectful. We believe that an organization that is equal, diverse and gender-balanced is essential for us to achieve our goals.

We strive to attract employees with different skills, life experiences and perspectives to contribute to even better problem solving of our societal mission in research and education.

If you think this position is relevant and interesting, we encourage you to apply, regardless of gender, functional ability and cultural background, or whether you have been out of work for a period of time.

At NTNU we want to increase the proportion of women in scientific positions. We have a number of measures to promote equality.

Salary and conditions

In the position of PhD Candidate, code 1017, your gross salary will normally be NOK 536 200 per annum depending on qualifications and seniority. A 2% statutory contribution to the State Pension Fund is deducted from the salary.

The employment period is full-time (100%) for 3 years or part-time (50%) for 6 years. If learning Norwegian (level A2 corresponding to at least 15 credits) is to be completed before the end of the employment period, the employment period can be extended by 10 weeks after completed and documented the Norwegian course.

For employment as a PhD Candidate, it is a prerequisite that you gain admission to the PhD programme in Medicine and Health Sciences or Medical Technology within three months of your employment contract start date, and that you participate in an organized doctoral programme throughout the period of employment.

The position is conditional on external funding.

As an employee at NTNU, it is important that you keep yourself up to date with academic and organizational changes and adapt to them.

For the necessary academic and social interaction, it is a prerequisite that you are physically present and available to the institution on a daily basis.

The appointment is carried out in accordance with the principles of the State Employees Act, and Export control (legislation that regulates the export of knowledge, technology and services). Candidates who, after assessment of the application and attachments, are considered to bein conflict with the criteria in the latter act, will not be able to be employed.

About the application

Publications and other scientific work must follow the application. Please note that your application will be considered based solely on information submitted by the application deadline. You must therefore ensure that your application clearly demonstrates how your skills and experience fulfil the criteria specified above.

The application must include:

- CV and certificates
- Transcripts and diplomas for bachelor's and master's degrees. If you have not completed the master's degree, you must submit a confirmation that the master's thesis has been submitted.
- A copy of the master's thesis. If you recently have submitted your master's thesis, you can attach a draft of the thesis. Documentation of a completed master's degree must be presented before taking up the position.
- Name and contact information 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. If your institution uses “diploma supplement” (normal for most European institutions), you must attach this. A description of the documentation required can also be found here. If you already have a statement from Norwegian Directorate for Higher Education and Skills (HK-dir), please attach this as well.

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

When assessing the best qualified, we emphasize necessary qualifications such as education, experience and personal suitability. Motivation for the position, ambitions and potential for research will also count when assessing the candidates.

NTNU recognizes a wide range of academic contributions and has committed itself to The San Francisco Declaration on Research Assessment and CoARA (responsible assessment of research and recognition of a greater breadth of academic contributions in accordance with NTNU's social mission).

General information

A public list of applicants with name, age, job title and municipality of residence is prepared after the application deadline. If you wish to be exempt from entry on the public applicant list, this must be justified. Assessment will be made in accordance with current legislation. You will be notified if the exemption is not granted.

If you think this position looks interesting and in line with your qualifications, you are welcome to apply.

If you have any questions about the position, please contact Associate professor Beathe Sitter, telephone +47 99024180, email: beathe.sitter@ntnu.no .

If you have any questions about the recruitment process, please contact HR consultant Helene Berri, e-mail: helene.b.berri@ntnu.no.

Application deadline: 21.03.2025

For practical information about working at NTNU, please visit this webpage.

The city of Trondheim is a modern European city with a rich cultural scene. Trondheim is the tech 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.

NTNU - knowledge for a better world

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

The Department of Circulation and Imaging (ISB) has 260 employees, and its research units are at the Cardiothoracic Centre at St. Olav’s Hospital, integrated with collaborating clinical divisions. The Department of Circulation and Medical Imaging (ISB) includes anaesthesiology, radiology, radiography, ultrasound, magnetic resonance imaging, exercise physiology, cardiovascular physiology, pulmonary physiology, pulmonary medicine, cardiology, vascular surgery, thoracic surgery and biomedical engineering.The department is also responsible for the Centre for Innovative Ultrasound Solutions (CIUS), the Medical Simulation Centre and the MR Centre. More information about the department is available at http://www.ntnu.edu/isb

Additional information

Contact person:

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Place of service:

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