Postdoc/Researcher - optimise the use of PET/MRI in patients with prostate cancer

About the position

We are looking for an ambitious and dedicated candidate for a three years Postdoc/Researcher position to optimise the use of PET/MRI in patients with prostate cancer.

The Postdoc/Researcher will be part of the MR Cancer Group at the Department of Circulation and Medical Imaging (ISB) working within the field of personalized cancer medicine. Our long-term objective is to improve cancer detection and treatment through advanced non-invasive imaging. For more information about the research group, please visit the following web page: http://www.ntnu.edu/isb/mr-cancer

This position is a fixed term, full time (100 %) position for three years starting from June 1st 2020.

The position reports to the Head of the MR Cancer Group, professor Tone F. Bathen (https://www.ntnu.edu/employees/tone.f.bathen)

The candidate will be working on a multicenter project aiming to improve the treatment of prostate cancer, which is the most commonly diagnosed cancer type among men in Norway. Simultaneous PET/MRI facilitates the combination of PET imaging with the current clinical standard MRI. Combining these complementary techniques may lead to a higher sensitivity and specificity for detection of lymph node and distant metastases than either modality alone. The main aims of the project are (1) to evaluate the sensitivity and specificity of prostate specific membrane antigen (PSMA) PET/MRI for detection of pelvic lymph metastases in high risk prostate cancer, and (2) to evaluate detection rates, and investigate how PSMA PET/MRI impacts treatment decisions in prostate cancer patients with recurrent disease. Both studies will be performed with a prospective, multicenter design in close collaboration with hospitals in Trondheim, Tromsø and Bergen together with an interdisciplinary research team. Patient enrollment starts in March 2020. The position offers challenging and varied tasks in an environment characterised by active, committed and skilled employees, and the candidate is expected to take a central role in data analysis and publishing of the results.

Main duties and responsibilities

- Implementing and performing a clinical study
- PET/MRI acquisition and analysis
- Interaction with local, national and international interdisciplinary researchers
- Data analysis; writing, publishing and communication of results to peers, users and the general public.

Qualification requirements

- PhD in medicine, medical technology, or image analysis
- Experience from PET and/or MRI (image acquisition, reading or analysis)
- Capability to work efficiently both independently and in teams
- Experience in medical statistics
- Strong record of publications in international peer-reviewed journals
- The position requires strong English oral and writing skills

Desired qualifications

- Experience with participation in clinical, multicenter studies
- Being able to communicate in a Scandinavian language
- Basic programming skills

Personal characteristics

- Strong analytical skills
- Strong writing skills, capable of synthesizing and expressing complex ideas clearly
- Team player, collaborative, and respectful; values the inputs and opinions of others
- Self-motivated, ambitious, resilient, resourceful, result-oriented, and independent

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal suitability, as well as motivation, in terms of the qualification requirements specified in the advertisement

We offer

- exciting and stimulating tasks in a strong international academic environment
- an open and inclusive work environment with dedicated colleagues
Salary and conditions

Postdoctoral candidates are remunerated in code 1352, and are normally remunerated at gross from NOK 542 400 per year. From the salary, 2 % is deducted as a contribution to the Norwegian Public Service Pension Fund.

The gross salary for the position of researcher code 1109 is normally remunerated at gross from NOK 523 200 - 594 400 before tax per year, 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 criterias 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.

Generell informasjon

A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background. Under the Freedom of Information Act (Offentleglova), information about the applicant may be made public even if the applicant has requested not to have their name entered on the list of applicants.

Questions about the position can be directed to Professor Tone F. Bathen, email: tone.f.bathen@ntnu.no, telephone: 00 47 95020196

For enquires regarding the application procedure, please contact HR Consultant Sissel Sollien, email: sissel.sollien@ntnu.no, telephone: 00 47 48051191

About the application:

Publications and other academic works that the applicant would like to be considered in the evaluation must accompany the application. Joint works will be considered. If it is difficult to identify the individual applicant's contribution to joint works, the applicant must include a brief description of his or her contribution.

NTNU is committed to following evaluation criteria for research quality according to The San Francisco Declaration on Research Assessment - DORA.

Please submit your application electronically via jobbnorge.no with your CV, short statement from a former supervisor/tutor/teacher, publication list (if applicable) diplomas and certificates. Applicants invited for interview must include certified copies of transcripts and reference letters.

Application deadline: 31.03.2020

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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 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

Jobbnorge ID: 183161, Deadline: Tuesday, March 31, 2020