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

The Department of Circulation and Medical Imaging has available a PhD candidate position within Medical Imaging

This position is a fixed term, full time (100 %) position for 3 years starting 1 August 2020.

At the Faculty of Medicine and Health Sciences, NTNU, there is a PhD position available within the field of Medical Imaging. The position is organized at the Department of Circulation and Medical Imaging (www.ntnu.no/isb), situated at Øya, Trondheim. The Department of circulation and medical imaging (ISB) is one of eight departments at the Faculty of Medicine and Health Sciences and provides research and education in ultrasound, MRI, exercise, the circulatory system, anaesthetics and emergency

The PhD Candidate will be part of the MR Cancer Group, which is a multidisciplinary research group working within the field of personalized cancer medicine. For more information about the research group, please visit the following web page: www.ntnu.edu/isb/mr-cancer.

The position offers challenging and varied tasks in an environment characterised by active, committed and skilled employees.

Duties of the position
The candidate will be working on a project directed towards improving the diagnosis of prostate cancer, which is the most commonly diagnosed cancer type among men in Norway. The main aim of the project is to develop, optimize and test Magnetic Resonance Fingerprinting (MRF) of the prostate, which is a new method for fast MR imaging of prostate cancer. In daily practice, the candidate will work with the acquisition, reconstruction, processing and analysis of MRF images, working towards its potential application in clinical practice. The project will have a strong focus on MR physics and image processing but will be carried out in close collaboration with researchers and clinicians at the Dept. of Radiology and Nuclear Medicine and the Dept. of Radiotherapy, St. Olav's Hospital, Trondheim.

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

For more information and how to apply:
www.jobbnorge.no/en/available-jobs/job/185245/

For further information about the position, please contact:
- Professor Tone F. Bathen, email: tone.f.bathen@ntnu.no, telephone: 00 47 95020196
- Researcher Mattijs Elschot, email: mattijs.elschot@ntnu.no, telephone 00 47 40524106

For enquires regarding the application procedure, please contact:
- HR Consultant Julie Hoff, email: julie.hoff@ntnu.no, telephone 0047 72 57 69 84


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.