

**NTNU - Norwegian University of Science and Technology**  
**Institutt for sirkulasjon og bildediagnostikk**

*The Norwegian University of Science and Technology (NTNU) in Trondheim represents academic eminence in technology and the natural sciences as well as in other academic disciplines ranging from the social sciences, the arts, medicine, teacher education, architecture to fine art. Cross-disciplinary cooperation results in innovative breakthroughs and creative solutions with far-reaching social and economic impact.*

**Faculty of Medicine**  
**Department of Circulation and Medical Imaging**

## **Eight PhD positions available at MI Lab, Faculty of Medicine, Norwegian University of Science and Technology (NTNU) - DMF 21-10**

MI Lab (Medical Imaging Laboratory for Innovative Future Healthcare) is an inter-disciplinary research centre integrating industry, hospital and university. The overall goal is to facilitate better health care and improved patient treatment through research and innovation in medical imaging.

MI Lab is located in Trondheim, Norway, in the fully integrated university hospital, St. Olavs Hospital. Its main success factor is creating an environment of close daily collaboration between medical doctors and technology researchers. At present the multi-disciplinary research team includes PhD students and post doctors with the following backgrounds:

Medicine	Cybernetics	Neuroscience	Psychology
Physics	Electronics	Physiology	
Mathematics	ICT	Molecular biology	

The MI Lab partners are St. Olavs Hospital, GE Vingmed Ultrasound, FAST, MediStim, Sonowand, NordicNeuroLab, Arctic Silicon Devices, Odetect, CorTechs Labs and Sintef.

For more information on MI Lab please see: [www.ntnu.no/milab](http://www.ntnu.no/milab)

The PhD positions will have different tasks in the areas of ultrasound technology, including acoustics, probe design, electronics, signal processing and image/video analysis. Also clinical research projects in applications of a new pocket-sized ultrasound scanner, and heart and brain imaging with MR and Ultrasound are available.

We will to some extent tailor each PhD project to the candidates special competence and interests.

Master students in their last year are also encouraged to apply.

These applicants will be evaluated on the same line as other applicants, but may only start a PhD fellowship after finished Masters's degree.

**MI Lab and NTNU want to attract outstanding and creative candidates who can contribute to our ongoing research activities.**

**In the evaluation the main criteria will be:**

- the academic quality of the applicant
- the ability to work in an interdisciplinary research team
- personal creativity and innovation
- the candidate's motivation for the position

**Qualificaions and practical information:**

For a PhD position a Master's degree or equivalent is required 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).

Applicants must also be able to communicate fluently in English (spoken and written).

Selected applicants will be invited to undergo an interview. If none of the applicants holds up to the high standards of MI Lab, it may be decided not to hire any of the applicants.

The duration of a PhD fellowship is 3 years.

The PhD students in MI Lab are encouraged to take part in the Norwegian Research School in Medical Imaging. See: [www.ntnu.no/medicalimaging](http://www.ntnu.no/medicalimaging)

Applications from all countries are welcome. Trondheim is an ideal place to combine an academic career with a good personal life. Norway, like other Scandinavian countries, has generous rules for both maternity and paternity leave. Professional daycare for children is easily available. Trondheim has two international schools with English as the language of instruction, including Pre-school, Primary - and Middle school. Having a population of 160 000, Trondheim is a small city by international standards, and thus has low crime rates, little pollution, and easy access to a beautiful countryside. Still, the city can rival many larger cities in the availability of cultural facilities, having a professional theater, a professional symphony orchestra, and a soccer football club, Rosenborg, which regularly qualifies for Champions League. The Trondheim Municipal School of Music and Culture is outstanding, and caters for all levels of talent and a wide variety of cultural genres.

NTNU is an equal opportunity employer and welcomes applicants from both EU/EEA and non-EU countries. The university is strongly committed to diversity within its community, and welcomes applications from members of ethnic minorities. NTNU wants to increase the share of women in research positions. Women are encouraged to apply. Mentor program for women in academic positions is offered.

Salary is according to the general policies of NTNU. Depending on qualifications and academic background, Research Fellows at the Faculty of Medicine will be remunerated at wage levels 45-55 on the Norwegian State salary scale, with gross salary from NOK 353 000 - NOK 420 600 a year, of which 2% is deducted for the Norwegian Public Service Pension Fund. A yearly amount for operating costs will be added.

The successful applicant must agree to the conditions laid down for public employees in Norway.

### **How to apply:**

The application must contain information about education, examinations and previous experience, and also a short description of the applicants' motivation for the position. Certified copies of testimonies and documents must be attached, and all documents must be in English (unless they already are in a Scandinavian language). Copies of publications and any other work which the applicant wishes to be taken into account should also be enclosed. Joint works will be considered. If it is difficult to specify the input of the applicant in a joint work, a short summary should be attached outlining the applicant's input.

Please send the application including CV, publication list, verified certificates and addresses of references via the website: [www.jobbnorge.no](http://www.jobbnorge.no) The file number for the position, DMF 21-10, is to be clearly stated on the application.

### **Application deadline: March 1, 2010.**

For further information please contact:

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