Jobbnorge-ID: 101003
Søknadsfrist: Avsluttet
Nettside:
Omfang:
Varighet:

PhD position in Magnetic Resonance Imaging: Sequence Development for Cancer Diagnosis Applications NT-33/14

A PhD position is available at the Department of Physics. The appointment has a duration of 3 years with the possibility of until 1 year extension with 25% teaching duties in agreement with the department. (To undertake the teaching duties it is a requirement that the candidate speaks Norwegian or another Scandinavian language). The position is financed by NTNU.

Information about the department
The position is organized at the Department of Physics. Currently, there are 26 professors, 14 associate professors, 4 adjunct professors, 71 PhD research fellows and 16 postdoctoral positions appointed at the Department of Physics.

Our research spans a broad spectrum of natural sciences and technology, which in turn allows us to offer an education that provides a solid basis for future careers. Physics research is carried out in experimental as well as theoretical fields, often across conventional boundaries between disciplines. Our central research areas are materials science, nanoscience, surface physics, modern optics, astrophysics, solar energy, biophysics, and medical technology. Research staff at the institute makes a special effort to increase the awareness and understanding of the importance and impact of physics in our society.

Further information about the department is available at: http://www.ntnu.no/fysikk/english

Job description
The theme of the PhD research is Sequence Development and Implementation for Accelerated Diffusion Weighted MRI in Cancer Diagnosis Applications. We are seeking a person with good understanding of MR Physics and C++ programming.

The project will be carried out in close collaboration with the MR Cancer research group at the Department of Circulation and Medical Imaging, NTNU (www.ntnu.edu/isb/mr-cancer), and St.Olav University Hospital HF.

The project is organized under the PhD program in Biophysics and Medical Technology. Detailed information on our PhD programs is found at: http://www.ntnu.edu/nt/research/phd
Further information about the project can be obtained from assoc. professor Pål Erik Goa, Department of Physics, NTNU, Tel. +47 735 93634, E-mail: pal.e.goa@ntnu.no

Qualifications
The applicant must have an MSc (or equivalent) in Physics, Bio/Medical Physics or Medical Imaging, and a documented background in Magnetic Resonance Imaging. Experience from signal processing, C++ and matlab programming will be considered an advantage. The candidates' motivation and personal qualifications will also be emphasized.

The successful candidate should be creative, with a strong ability to work problem oriented. He/she should also enjoy interdisciplinary research and take keen interest in learning and working in teams.

The regulations for PhD programs at NTNU state that a Master degree or equivalent 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) for the two last years of the MSc is required and C or higher of the BSc. Candidates from universities outside Norway are kindly requested to send a Diploma Supplement or a similar document, which describes in detail the study and grade system and the rights for further studies associated with the obtained degree: http://ec.europa.eu/education/lifelong-learning-policy/ds_en.htm

The position requires spoken and written fluency in the English language. Applicants from non-English-speaking countries outside Europe must document English skills by an approved test.

Terms of employment
The appointment of the PhD fellows will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees. Applicants must agree to participate in organized doctoral study programs within the period of the appointment and have to be qualified for the PhD-study.

NTNU has a personell policy objective that the staff must reflect the composition of the population to the greatest possible extent.

The appointment will be made according to the general regulations regarding university employees. PhD research positions are remunerated in salary code 1017, normally at start wage level 50 on the Norwegian Government pay scale, gross NOK 420.800 per year before tax. There is a 2% deduction for superannuation contribution.
For information about NTNU and Trondheim, see www.ntnu.no and www.trondheim.no/engelsk

The application
The candidates' motivation, skills and personal qualifications for both the position and the project should be described in the application letter. Applications with CV, certificates from both Bachelor and Master, possible publications and other scientific works, copies of transcripts, (copies of documentation on English language proficiency test) and reference letters should be submitted.

Applications must be submitted electronically through this page (jobbnorge.no).
Applications submitted elsewhere will not be considered.

The reference number of the position is: **NT- 33/14**
Application deadline: **May 1st 2014**

Tilleggsinformasjon

Arbeidssted: