

Jobbnorge ID: 200093

Deadline: 2/28/2021

Website: <https://www.usn.no/>

Scope: Fulltime

Duration: Fixed Term

Faculty of Health and Social Sciences have a vacancy for a position as

PhD Research Fellow in medical physics/radiography/computer science

About the position

The Faculty of Health and Social Sciences has a vacancy for a 100% position as PhD Research Fellow in medical physics/radiography/computer science from 01.09.2021.

The position is located at the Department of Optometry, Radiography and Lighting Design and reports to the Head of the Radiography programmes Anita Norsteien. The place of employment is Campus Drammen.

The employment period will be three years of full time with no teaching obligations.

About the PhD-project

The project will be developed to strengthen USN's participation in the HARMONIC project, which is financed through Euratom grant agreement No 847707 over five years (2019 - 2024). The Barcelona Institute for Global Health (ISGLOBAL) coordinates the project, which has 23 partners in ten countries with expertise in radiation epidemiology, molecular epidemiology, dosimetry and biology. The University of Southeast Norway (USN) and Oslo University Hospital (OUS, Department of Pediatric Cardiology and the Norwegian Cancer Registry) are partners in the part of HARMONIC that deals with children with heart defects; the project aims at better understanding the long-term health effects of medical exposure to ionising radiation in children, specifically those undergoing X-ray guided imaging for cardiac interventions, see <https://harmonicproject.eu/>.

USN contributes in three work packages: WP3 Data collection and establishment of the cohort, WP4 Dosimetry and dose reconstruction, and WP6 Dissemination. The doctoral project will be related to automatic gathering and analysis of data from the PACS in order to do dose reconstruction and optimization of diagnostics and intervention of children with congenital heart defects (WP3 and WP4). The software "DICOM Inspector" is developed by partner Luxembourg Institute of Science and Technology (LIST). The software will be tested and implemented in consultation with Sykehuspartner, OUS ICT department and department for diagnostic physics, so that we can harvest metadata from DICOM in PACS back in time, and more complete dose information (RDSR) from 2021.

USN has a particular responsibility to find out to what extent children who undergo cardiac interventions are investigated by other radiological examinations (conventional X-ray, CT, nuclear medicine). These examinations contribute to radiation dose as well, and must be taken into account when analyzing the correlation between radiation early in life and later development of cancer. As soon as the cohort is established, it is therefore part of the project to look up information in various medical information systems about which other examinations the children have undergone during assessment and treatment over time.

Qualifications

Applicants to the PhD position must have a Master's degree (120 ECTS) equivalent higher education qualifications in medical physics/radiography/computer science. The degree must be accomplished before application deadline. Emphasis will be placed on whether the applicant has an interest or relevant experience in the use of medical information systems, knowledge of apparatus and equipment for angio- and intervention and/or pediatric cardiology.

It is a requirement that the successful applicant is granted admission to the university's doctoral programme in Person-centred-health-care within three months of accession in the position. For admission to the Programme the weighted average grade is B or higher is usually required, see. <https://www.usn.no/english/research/postgraduate-studies-phd/our-phd-programmes/person-centred-health-care/>

The project will strengthen the HARMONIC project with ICT, dosimetry and simulation expertise, and be closely linked to already planned tasks in HARMONIC. The project description will be developed in collaboration with supervisors from USN and the Department of Diagnostic Physics at OUS, the Cancer Registry of Norway and the Department of Pediatric Cardiology at OUS.

Co-operation between staff members is an integrated part of the working atmosphere at the University of South-Eastern Norway. The candidate must be motivated and demonstrate a proven ability to work effectively within a team and in a collegiate manner to formulate and realise common objectives.

The candidate must have the ability to work independently and at the same time have the motivation to share knowledge and take part in team work. Personal suitability for the post will be emphasised.

The applicant must document that he/she is fluent in English orally and in writing. It is an advantage but not a prerequisite to master Norwegian or a Scandinavian language.

We offer

- A stimulating and growing research environment, with good opportunities to develop your career and your academic skills
- A good social environment
- Attractive welfare benefits in the [State Pension Plan](#)
- Opportunity for physical activities within working hours

Data collection must take place in OUS (Oslo), but the candidate will have a permanent office space for analyzes at USN (Drammen), to facilitate collegial collaboration at the PhD program and in the radiographer education.

Salary

PhD Research Fellow (code 1017): NOK 482 200 a year. Further promotion will be based on time served in the position. In special cases, employment in code 1378 may be considered.

A statutory contribution to the state pension plan will be deducted from the employee's salary.

Other information

The Academic Appointments Board for PhD Research Fellowships is responsible for the appointment. An expert assessment of applicants will be carried out. The candidates deemed best qualified will be invited to an interview.

The person appointed must comply with the laws, regulations and agreements that apply at any given time to the post. Please note that approved work permit is a prerequisite for the employment.

According to its human resources policy, the University of South-Eastern Norway targets a balanced gender composition and aims to recruit persons with a background as an immigrant.

The University contributes to the Inkluderingsdugnaden (a voluntary scheme to promote inclusion), and it is our aim that our employees, to the fullest extent possible, shall reflect the diversity of the general population. We therefore encourage qualified applicants with disabilities to apply for the post. The University will facilitate the workplace for employees with disabilities.

Pursuant to section 25, 2nd paragraph of the Freedom of Information Act, information on the applicant may be disclosed even if the applicant has requested not be included on the list of applicants. Applicants will be notified if such requests are not allowed.

Contact information

For more information about the position, please contact:
Professor Hilde M. Olerud, phone +47 922 65 019.
Head of Group Anita Norsteien, tlf: +4731009251.

For questions regarding the recruitment process, please contact:
Karianne Wolff-Sørensen Wiken, email: Karianne.W.Wiken@usn.no

How to apply

The University of South-Eastern Norway makes use of online application management. Applicants to the post must register their application and CV with enclosures online via the Jobbnorge recruitment portal by clicking on the link on the right-hand side - "Søk stillingen" (Apply for the post).

The following documents shall be attached to the online application:

- Transcripts and diplomas of Bachelor's and Master's Degrees (120 ECTS)
- Other relevant certificates (if applicable, must be specified)
- A motivation letter (1 page)
- Documentation of english proficiency
- Any scientific publications and a list of these
- Three references (contact information)

Please note that all documents must be in a Scandinavian language or in English. Any translations must be certified.

The application will be assessed on the basis of the attached documentation as requested above. Each applicant is responsible for ensuring that the required documentation has been uploaded with the application deadline.

The University has been awarded a Charter & Code certificate by the European Commission, and is entitled to use the HR Excellence in Research (HRS4R) logo. The University is also a member of the EURAXESS network, which contributes to good working conditions for mobile researchers.

Welcome to USN

Welcome to USN

Video: <https://www.youtube.com/watch?v=DBbD2GVEIIY&list=PLpMvkOc4MPIYmz28LFGfdXsaQcq2yHsq9&index=4>

About USN

The University of South-Eastern Norway, USN, is one of Norway's largest higher education institutions, with around 18,000 students and 1,900 employees across eight different campuses.

We offer studies, research and knowledge dissemination, all targeting various professions and working life and with a high level of quality internationally. Our goal as a University is to create value both for the individual student and for business and commerce, the public sector and society in general. We achieve this by utilising the best tools we have: education and research.

USN is a University with a strong social commitment where studies and working life are integrated. At USN, we focus on practice-relevant, profession-oriented and applied research and education.

The students shall benefit from innovative educational methods and challenging studies closely associated with society's requirements and needs. They will learn how to adapt to a society and working life that is constantly changing. The University shall meet major social challenges with knowledge and expertise, helping to promote practical solutions, structural changes and new ways of thinking. USN's academic activities shall be embodied by a clear dedication to the UN's sustainable development goals. The University aims to realise this main profile in close cooperation with society and working life.

For more information on USN, please go to www.usn.no

Additional information

Place of service:

Drammen 3045 Drammen (Drammen Municipality)