Senior Research Scientist/Research Leader

Computational Radiology and Artificial Intelligence (CRAI), Oslo University Hospital

The Senior Research Scientist fellow will be associated with Unit for Computational Radiology and Artificial Intelligence (CRAI), in the Division for Radiology and Nuclear Medicine at OUH. CRAI is a research hub for the advanced computational methods and artificial intelligence in radiology. The unit was recently established in response to the increasing radiology production demands, and holds a varied portfolio of projects that uses artificial intelligence techniques at its core. The unit holds a particularly attractive work environment at the scenic and quiet Gaustad campus.

CRAI consists of a motivated and dedicated group of individuals with a mixed background, including machine learning-engineers, medical physicists, medical doctors, and Masters- and PhD students with varied backgrounds. The main goal at CRAI is to build, deploy and maintain machine learning models that can serve radiologists through augmented decision support and automated diagnostics. Being fully integrated in the hospital infrastructure and with close connections to the IT departments, CRAI has unique access to large amounts of clinical imaging data, domain experts and the opportunity to deploy fully integrated solutions for clinical use.

Duties and responsibilities

To strengthen and help lead our research team, we are looking for a highly motivated Senior Research Scientist, with a track record in machine learning applied to medical imaging diagnostics. The Senior Research Scientist will be expected to participate broadly in all core academic activities at CRAI, including supervision of Masters students and PhD students, last-authoring publications in peer-reviewed journals and propagating research activities through writing grant proposals. In addition, the Senior Research Scientist will be expected to aid in prototyping and implement optimized and robust data science solutions into clinical production, perform data analysis and exploration on top of the existing infrastructure and design and implement new techniques and technologies in an academic environment.

The position has secured funding for three years, with a very good possibility for extension into a permanent position.

Qualifications

We are looking for candidates with the following qualifications:

- PhD and Post Doc experience from computer science, biostatistics, medical physics or similar disciplines.
- Robust and documented experience with academic publication and grant writing.
- Documented experience with supervision of students at various levels.
- Proficiency in machine learning methods, particularly deep learning.
- Strong programming skills.
- Domain experience in medical image analysis.
- Leadership skills.
- Excellent English skills.
**Personal qualities**

- Good collaboration skills.
- Takes responsibility and can work independently.
- Team spirit.

**We can offer**

- Competitive salary based on education and experience
- Flat hierarchy
- An opportunity to work with big real-world health data
- Strong opportunity to create individual research portfolio
- A pleasant and particularly broad multi-professional environment
- Strong incentive to create and maintain international collaboration
- Excellent welfare scheme

Please submit the application in English. As part of the application for the position, the candidate should include a two-page research statement describing current research focus and suggestions for how your expertise can provide new research opportunities for the group.

In the assessment, the main emphasis will be on the applicant's potential as a senior research leader as shown in the application CV. In addition, consideration is given to professional experience and other activities that are considered important. Finally, personal suitability and compliance within the research group is considered essential.

CV content must be documented with diplomas, testimonials and complete publication list in Webcruiiter.

Please provide contact information for a minimum of three recent references.

The applicants who are considered to be the most qualified will be called in for several interviews. The interviews will aim to clarify the personal fitness for the position, motivation and the development potential for the various tasks assigned to the position.

Further information: Prof. Atle Bjørnerud: atle.bjornerud@fys.uio.no, +47 97539499

**Application deadline: 29.10.2021**

Apply here:

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