

Jobbnoere ID: 293612
Deadline: 3/18/2026
Website: <http://www.uis.no/>
Scope: Fulltime
Duration: Fixed Term

PhD Fellowship in Agentic AI for Clinical Decision Support

Job description

The University of Stavanger invites applicants for a PhD Fellowship in Agentic AI for Clinical Decision Support at the Faculty of Science and Technology, Department of Electrical Engineering and Computer Science.

This is a trainee position that will give promising researchers an opportunity for academic development through a PhD education leading to a doctoral degree.

The hired candidate will be admitted to the PhD program in Science and Technology. The education includes relevant courses amounting to about six months of study, a dissertation based on independent research, participation in national and international research environments, relevant academic communication, a trial lecture and public defence. Read more about the PhD education at UiS on [our website](#).

The appointment is for three years with research duties exclusively.

A career plan will be prepared that specifies the competencies that the Research Fellow will acquire. Access to career guidance will be provided throughout the doctoral education.

Research topic

The PhD Fellow will be affiliated with the project "Agentic AI for Clinical Decision Support". The project will have as a main focus addressing one of the major global health challenges: suicide. Despite regular contact with mental health or substance use services, many individuals at risk remain undetected. The main goal of this PhD is to develop an AI-based decision-support system that predicts suicide risk across multiple time horizons from patient clinical journals, supporting earlier and more personalized interventions. The project will build upon a unique dataset of more than 9,000 digitized patient journals with ongoing data collection and possibility of further expansion.

The candidate will work at the intersection of AI, information retrieval, multimodal learning, and clinical decision-making. Specifically, to achieve the main goal the project is expected to focus on three main areas:

1. **Natural language processing and large language models** for clinical decision support using a large collection of digitalized patient journals.
2. **Agentic workflows** to integrate, retrieve and reason over longitudinal patient information.
3. **Explainability techniques** to uncover drivers of patients at risk.

The project is a highly interdisciplinary initiative, jointly supervised across the Faculty of Science and Technology, the Faculty of Social Sciences, and Stavanger University Hospital. The candidate will have the possibility of being part of a highly interdisciplinary AI ecosystem at UiS through [Stavanger AI Laboratory](#) and the groups [Information Access and AI \(IAI\)](#), [Biomedical Data Analysis Laboratory \(BMDLab\)](#), and collaborate closely with clinical researchers at [KORFOR \(Regional competence center for addiction research\)](#) at the [Stavanger University Hospital](#). This environment provides a unique opportunity to combine cutting-edge AI research with clinically relevant applications.

Qualification requirements

We are looking for applicants with a strong academic background who have completed a five-year master degree within Computer Science, Artificial Intelligence, Data Science preferably acquired recently; or who possess corresponding qualifications that could provide a basis for successfully completing a doctorate.

To be eligible for admission to the doctoral programmes at the University of Stavanger both the grade for your master's thesis and the weighted average grade of your master's degree must individually be equivalent to or better than a B grade. If you finish your education (masters degree) in the spring of 2026, you are also welcome to apply.

Applicants with an education from an institution with a different grade scale than A-F, and/or with other types of credits than sp/ECTS, must attach a confirmed conversion scale that shows how the grades can be compared with the Norwegian A-F scale and a Diploma Supplement or similar that explains the scope of the subjects that are included in the education. [You can use these conversion scales to calculate your points for admission](#).

The hired candidate should have knowledge in agentic AI, large language/vision-language models or natural language processing.

Emphasis is also placed on your:

- knowledge in multimodal data, longitudinal data and clinical data
- knowledge in statistical quantitative methods

- interest in interdisciplinary research combining AI with different disciplines (example: healthcare).
- motivation and potential for research within the field
- professional and personal skills for completing the doctoral degree within the timeframe
- ability to work independently and in a team, be innovative and creative
- ability to work structured and handle a heavy workload
- having a good command of both oral and written English

Requirements for competence in English

A good proficiency in English is required for anyone attending the PhD program. International applicants must document this with a valid test certificate from one of the following tests:

- TOEFL - Test of English as a Foreign Language, Internet-Based Test (IBT). Minimum result: 90
- IELTS - International English Language Testing Service. Minimum result: 6.5
- Certificate in Advanced English (CAE) or Certificate of Proficiency in English (CPE) from the University of Cambridge
- PTE Academic - Pearson Test of English Academic. Minimum result: 62

The following applicants are exempt from the above requirements:

- Applicants with one year of completed university studies in Australia, Canada, Ireland, New Zealand, United Kingdom, USA
- Applicants with a completed master's degrees taught in English in a EU/EEA country
- Applicants who are exempt based on HK-dir's [GSU list](#)

We offer

- a PhD education in a large, exciting and societally important organisation
- an ambitious work community which is developing rapidly. We strive to include employees at all levels in strategic decisions and promote an informal atmosphere with a flat organisational structure.
- free Norwegian [language courses](#) if you do not have proficiency in Norwegian, Swedish, or Danish at level A2 at the time of employment.
- access to [Lifekeys](#), a digital service for the preservation of personal mental health and well-being
- salary in accordance with the State Salary Scale, l.pl 17.515, code 1017, NOK 550 800 gross per year with salary development according to seniority in the position. From the salary, 2% is deducted as a contribution to the Norwegian Public Service Pension Fund.
- automatic membership in the [Norwegian Public Service Pension Fund](#), which provides favourable insurance- and retirement benefits
- favourable membership terms at a gym and at the [SIS sports club](#) at campus
- employment with an Inclusive Workplace organisation which is committed to reducing sick leave, increasing the proportion of employees with reduced working capacity, and increasing the number of professionally active seniors
- "[Hjem-jobb-hjem](#)" discounted public transport to and from work
- as an employee in Norway, you will have access to an optimal health service, as well as good pensions, generous maternity/paternity leave, and a competitive salary. Nursery places are guaranteed and reasonably priced
- [relocation programme](#)

Diversity

Diversity is a resource in the working and learning environment at UiS. When we have different backgrounds and experiences, we can approach challenges from multiple perspectives and find better solutions. At UiS, we are committed to showing respect for each other's differences and accommodating employees with disabilities. We take into consideration your needs and your situation in various life phases.

If you find this position interesting, we encourage you to apply, regardless of gender, disability, cultural background, or whether you have been out of the workforce for a period.

If there are qualified applicants with disabilities, gaps in their CV, or immigrant backgrounds, we will invite at least one applicant from each of these groups for an interview. If you fall into any of these categories, feel free to indicate it when applying for the position. Learn more about the criteria for being considered an applicant in these specific groups [here](#).

The university aims to recruit more women within the subject area. If several applicants are considered to have equal qualifications, female applicants will be given priority.

Application

To apply for this position please follow the link "Apply for this job". Your application letter, relevant education and work experience as well as language skills must be registered here.

The following documents must be uploaded as attachments to your application:

- cover letter explaining your interest in the project and the relevance of your background and experience. Applications without a cover letter will not be considered. The cover letter should be limited to approximately one A4 page.
- CV with a full summary of your education and experience
- references, certificates/diplomas and other documentation that you consider relevant
- Diploma Supplement or similar and a confirmed conversion scale if this is required
- documentation on competence in English if this is required
- publications or other relevant research work

Applications are evaluated based on the information available in Jobbnorge at the application deadline. You should ensure that your application shows clearly how your skills and experience meet the criteria which are set out above and that you have attached the necessary documentation.

The documentation must be available in either a Scandinavian language or in English. If the total size of the attachments exceeds 30 MB, they must be compressed before upload.

Please note that information on applicants may be published even if the applicant has requested not to be included in the official list of applicants - see [Section 25 of the Freedom of Information Act](#). If your request is not granted, you will be notified.

UiS only considers applications and attachments registered in Jobbnorge.

General information

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and the acts relating to [Control of the Export of Strategic Goods, Services and Technology](#). Applicants must meet security suitability requirements and contribute to a strong security culture.

Employment as PhD Fellow is regulated in [Regulations to the Universities and Colleges Act, chapter IV](#). Admission to the doctoral program is regulated in [Regulations for the PhD degree at UiS](#).

Your qualifications for the position, based on documentation registered in Jobbnorge, will be assessed by an internal expert committee. Based on the committee's statement, relevant applicants will be invited to an interview before any recommendations are made. References will also be obtained for relevant candidates. [More about the hiring process on our website](#).

The appointee will be based at the University of Stavanger. It is a prerequisite that you have a residence which enables you to be present at, and available to the academic community during ordinary working hours.

The position has been announced in both Norwegian and English. In the case of differences of meaning between the texts, the English text takes precedence.

UiS - challenge the well-known and explore the unknown

The University of Stavanger (UiS) has about 12,000 students and 2,200 employees. The university has high ambitions. We strive to have an innovative and international profile, and be a driving force in knowledge development and in the process of societal change. Our common direction is driven by consideration for green and sustainable change and equitable social development, through new ways of managing natural resources and facilitating better cities and local communities. Energy, health and welfare, learning for life are our focus areas.

In constant collaboration and dialogue with our surroundings, regionally, nationally and internationally, we enjoy an open and creative climate for education, research, innovation, dissemination and museum activities. Academic life at the University of Stavanger is organised into six faculties comprising various departments/schools and National Research Centres, as well as the Museum of Archaeology. The university is located in the most attractive region in the country with more than 300,000 inhabitants. The Stavanger region has a dynamic labour market and exciting cultural and leisure activities.

Together with our staff and students we will challenge the well-known and explore the unknown.

The Faculty of Science and Technology offers study programs at bachelor, master and doctoral level. The faculty has established close cooperation on research with NORCE (Norwegian Research Centre AS) and the regional industry. A number of master's and doctoral theses are made in collaboration with the industry. The faculty has established research collaborations with universities in the US and Europe, and has developed several academic environments that are at the forefront internationally. The faculty has about 2,800 students and approximately 500 employees at the Department of Electrical Engineering and Computer Science, Department of Structural Engineering and Materials Science, Department of Mathematics and Physics, Department of Energy and Petroleum Engineering, and the Department of Safety, Economics and Planning.

Department of Electrical Engineering and Computer Science carries out research within Computer Science, Data Science, Cybernetics, Signal Processing and Biomedical Engineering. The research network [Stavanger Artificial Intelligence Lab](#) is hosted by this Department. The Department offers a bachelor program in Electrical Engineering and Computer Science, and master programs in Computer Science, Data Science, Cybernetics, Signal Processing and Biomedical Engineering. In addition, the Department offers a PhD program in the aforementioned areas. There are currently 70 employees, including research fellows and postdocs, and 900 students at the Department.

Additional information

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