



Postdoctoral Research Fellow in Haematopoietic Stem Cell Research

About the position

At the Faculty of Health Sciences, the Department of Medical Biology a position has become available for a Postdoctoral Research Fellow in Haematopoietic Stem Cell Research. The position is affiliated with the research group Stem Cell Aging and Cancer.

The group aims at understanding malignant haematopoietic stem cell behaviour and regulation. Our goal is the identification of novel therapeutic targets of potential clinical interest. We use a variety of state-of-the-art techniques, including novel mouse genetic tools, stem cells, omics and advanced imaging. Our group has a broad international network and strengthens translational research through established collaborations with the University Hospital of North Norway (UNN). For more detailed information: www.uit.no/research/sac

This Postdoctoral position is a fixed term position of a duration of two years. Appointment to the position of Postdoctoral Research Fellow is mainly intended to provide qualification for work in academic positions. It is a prerequisite that the applicant is able to carry out the project over the full course of the employment period. No person can hold more than one fixed-term position as a Postdoctoral Research Fellow at the same institution.

More than 200 staff members from all over the world have their workplace at the [Department of Medical Biology](#) (IMB). The Department consists of 13 research groups concentrating on fundamental biomedical research problems, including research on various cancer forms, cardiovascular diseases, the body's immune system and antibiotic resistance. The Department is also involved in marine bio-prospecting and testing of new drugs.

IMB provides education for students studying medicine, dentistry, biomedical laboratory sciences, biomedicine and pharmacy.

Responsibilities

Acute myeloid leukaemia (AML) is a highly aggressive haematopoietic malignancy often associated with poor response to chemotherapy and outcome. It has been proposed that the presence of mutations in at least two genes that specifically confer a survival advantage to the haematopoietic stem cell (HSC) and impede its further differentiation is required for AML development. This suggestion is based on the fact that oncogenes that confer a survival advantage to the HSC and are frequently mutated in human AML are only able to induce myeloproliferative neoplasms in mouse models but not the transition to AML.

The successful candidate will contribute to understand the process of HSC malignant transformation, aiming at using this knowledge for better patient treatment. Further project details will be directly discussed with the applicants.

Contact

The contact person for this position is Group Leader and NCMM Young Associate Investigator Dr. Lorena Arranz:

- phone: +47 77 62 08 41 
- e-mail: lorena.arranz@uit.no

Qualifications

To be awarded the position of Postdoctoral Research Fellow, a Norwegian doctorate in biomedical sciences or equivalent is required, or a corresponding international doctorate degree which is recognised as being equal to the Norwegian doctorate degree. The applicant must have submitted his/her doctoral thesis for assessment prior to the application deadline. It is a condition of employment that the PhD degree has been awarded.

The position requires good knowledge in biomedical research in the haematology field, including acute myeloid leukaemia and bone marrow. Experience with techniques relevant for isolation of cell subsets from the bone marrow, flow cytometry and animal handling is required.

The candidate should be proficient in spoken and written English.

Personal skills will be emphasized, including his/her enthusiasm for research and ability to work independently and interactively in a team setting.

FELASA B or C certificate is required. Applicants should have a strong background in haematopoiesis and the HSC field, including FACS immunophenotype and functional assays of self-renewal, proliferation and differentiation both *ex vivo* and *in vivo*, i.e. transplantation. Experience with basic methods in molecular and cell biology, including extraction and sequencing of DNA/RNA, and immunohistochemistry, are also required. Experience with mouse models of haematopoietic diseases and some knowledge of the HSC microenvironment will be an advantage.

Importance shall be attached to personal suitability for the position and motivations.

We offer

- Interesting work tasks and science of excellence
- A highly competitive academic environment with dedicated colleagues
- Good career opportunities
- A large degree of independence in work
- Pension scheme through the state pension fund

Application

The application must include:

- cover letter including a short description of interests and reasons for applying for the position
- CV containing a complete overview of education, experience, professional work and references
- Diplomas and certificates:
 - diploma and transcript of Bachelor's degree or equivalent (in original language and translated)
 - diploma and transcript of Master's degree or equivalent (in original language and translated)
 - Diploma and transcript of PhD
- list of academic works
- up to 15 academic works. The doctoral thesis is here counted as one work.
- description of the attached works, and a short description of other works to show breadth of output.

It is expected that the successful candidate shall prepare a project description and progress reports some months after commencing employment.

Applications will only be considered if all requested application documents are received before the application deadline. Applications sent to us via e-mail or by any other means will not be considered.

All documentation to be assessed must be translated into English or a Scandinavian language.

Assessment

The applicants will be assessed by an expert committee. The committee's mandate is to undertake an assessment of the applicants' qualifications based on the application documents and the text of the announcement.

The applicants who are assessed as best qualified will be called to an interview. The interview shall, among other things, aim to clarify the applicant's personal suitability for the position and motivations.

UiT is seeking to increase the proportion of women in its academic positions. If two or more applicants are found to be generally equally qualified, the university will prioritise a female over a male candidate.

Working and payment conditions

Working hours will be set aside for research, research-related activities and research administration.

The successful candidate must also be willing to get involved in the ongoing development of their department and the university as a whole.

The remuneration for this position is in accordance with the State salary scale code 1352 A compulsory contribution of 2% to the Norwegian Public Service Pension Fund will be deducted.

General

In addition, applicants shall also refer to the supplementary provisions for the appointment to academic positions such as Postdoctoral Research Fellow, Research Fellow and Academic Assistant at UiT, The Arctic University of Norway, and to regulations concerning terms and conditions of employment for the posts Postdoctoral Research Fellow, Research Fellow, Research Assistant and Resident.

Questions concerning the organisation of the working environment, including that of the physical state of the workplace, health services, possibilities for flexible working hours, part-time work, etc. may be addressed to the telephone reference in this announcement.

At UiT, The Arctic University of Norway, diversity is valued, and we therefore encourage all qualified applicants to apply regardless of their age, gender, functional ability or national or ethnic background. UiT will make the necessary adaptations in order to facilitate for employees with reduced functional ability.

Personal information given in an application and CV will be treated in accordance with the Act relating to the processing of personal data (the Personal Data Act). In accordance with section 25, subsection 2 of the Freedom of Information Act, the applicant may request not to be registered on the public list of applicants. However, the university may nevertheless decide to make the candidate's name public. The applicant will receive advance notification of any such publication.

You can find more information on the website for [arriving staff](#).

We look forward to receiving your application.

About UiT The Arctic University of Norway

UiT - Developing the High North

[UiT The Arctic University of Norway](#) is a multi-campus research university and the northernmost university of the world. Our central location in the High North, our broad and diverse research and study portfolio, and our interdisciplinary qualities make us uniquely suited to meet the challenges of the future. At UiT you can explore global issues from a close-up perspective.

Credibility, academic freedom, closeness, creativity and commitment shall be hallmarks of the relationship between our employees, between our employees and our students and between UiT and our partners.

The Faculty of Health Sciences

The [Faculty of Health Sciences](#) is a national innovation which brings together a wide range of health-related education pathways. This lays the groundwork for a unique level of interdisciplinarity and innovation in health education and research. We work closely with northern services in order to find solutions for tomorrow's challenges.

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