

**Researcher in intravital microscopy/infection biology
(temporary employment) at [the Department of Molecular Biosciences, The Wenner-Gren Institute](#).
Closing date: 9 August 2020.**

The Department of Molecular Biosciences, Wenner-Gren Institute (MBW) conducts experimental basic research in molecular cell biology, integrative biology and infection and immune biology. The research environment is characterized by modern and advanced methodologies and has a strong international profile.

MBW is one of the larger departments of the Faculty of Science at Stockholm University with more than 30 research groups and about 200 employees, of whom 65 are doctoral students. Read more about MBW at www.su.se/mbw.

Project description

The position is based at the Intravital Imaging Facility at Stockholms University (IVMSU) headed by Director Dr. Christiane Peuckert and is also tightly associated with the research group Cell Biology of Nutrient Regulated Gene Expression headed by Professor Per O. Ljungdahl. The aim of the work within IVMSU (60 %) is to develop intravital imaging methodologies, train researchers in intravital imaging and assist in facility management.

The aim of the research project carried out in collaboration with the Ljungdahl group (40 %) is to establish intravital imaging methodologies to investigate the pathobiology of *Candida albicans* using rodent models.

Main responsibilities

The researcher is expected to obtain expertise and state-of-the-art working knowledge regarding a wide spectrum of techniques required to exploit the full capacity of multiphoton intravital microscopy. In collaboration with the Ljungdahl group the researcher will use in vivo imaging methods to visualize the pathobiological progression of *Candida albicans* infections during the colonization of specific organs.

In parallel, the researcher will participate in providing technical support for users of the IVMSU facility, the latter including user training, method development to enable imaging in various research projects ranging from cells to rodent models, and daily facility management activities.

Qualification requirements

Researchers are appointed primarily for purposes of research and must hold a Swedish doctoral degree or an equivalent degree from another country.

Assessment criteria

In the appointment process, special attention will be given to relevant research experience. Researchers appointed for this position must hold a Swedish doctoral degree (or an equivalent degree from another country) in biosciences or biomedicine. Extensive experience in working with animal models, specifically with rodents, and documentation of completed courses in the ethical handling of research animals is a requirement.

The candidate should have good working knowledge of light microscopy. The ability to effectively collaborate with the members of the assembled team researchers is essential. Excellent English language skills, both written and spoken, are a requisite.

The ideal candidate should have a strong background in experimental biology and documented experience working with research animals and the related skills such as in-depth knowledge of rodent anatomy. During the course of employment, the researcher should be able to develop the necessary theoretical and practical skills required for intravital imaging, including surgical techniques and anesthesia. Candidates with relevant expertise, including molecular microbiology, infection biology or fungal pathogen-host interactions, and previous experience with two-photon microscopy, will be prioritized. Good Swedish language skills are an advantage.

Great emphasis will be placed on personal characteristics. We are looking for a highly motivated and focused individual to work as a productive member of a competent team of interdisciplinary experimentalists.

Terms of employment

The position involves full-time employment for one year, with the possibility of extension. Start date 2020-09-15, or as per agreement.

Stockholm University strives to be a workplace free from discrimination and with equal opportunities for all.

Contact

Further information about the position can be obtained from the Director of IVMSU, Christiane Peuckert telephone: +46 8 16 10 40, IVMSU@su.se, or from Professor Per O. Ljungdahl telephone: +46 8 16 41 01, per.ljungdahl@su.se.

Union representatives

Ingrid Lander (Saco-S), telephone: +46 708 16 26 64, saco@saco.su.se, Alejandra Pizarro Carrasco (Fackförbundet ST/Läraryrket), telephone: +46 8 16 34 89, alejandra@st.su.se, and seko@seko.su.se (SEKO).

Application

Apply for the position at Stockholm University's recruitment system. It is the responsibility of the applicant to ensure that the application is complete in

accordance with the instructions in the job advertisement, and that it is submitted before the deadline.

Please include the following information with your application

- Your contact details and personal data
- Your highest degree
- Your language skills
- Contact details for 2–3 references

and, in addition, please include the following documents

- Cover letter
- CV – degrees and other completed courses, work experience and a list of publications
- Research proposal (no more than 3 pages) describing:
 - why you are interested in the field/project described in the advertisement
 - why and how you wish to complete the project
 - what makes you suitable for the project in question
- Copy of PhD diploma
- Letters of recommendation (no more than 3 files)
- Publications in support of your application (no more than 3 files).

The instructions for applicants are available at: [Instructions – Applicants](#).

You are welcome to apply!

Stockholm University contributes to the development of sustainable democratic society through knowledge, enlightenment and the pursuit of truth.

Closing date: 09/08/2020

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