Doctoral (PhD) student position in Reproductive Endocrinology and Metabolism

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Do you want to contribute to top quality medical research?

To be a doctoral student means to devote oneself to a research project under supervision of experienced researchers and following an individual study plan. For a doctoral degree, the equivalent of four years of full-time doctoral education is required.

The research group

The Division of Reproductive Endocrinology and Metabolism performs research with the aim to yield new key information on the pathophysiology of polycystic ovary syndrome (PCOS) affecting ~15% of women in reproductive age. PCOS is linked to multiple severe health consequences, including reproductive, metabolic, and psychiatric disorders. Despite detrimental impacts on women’s health, the etiology and origin of PCOS has proven elusive. The research is translational, and we combine register-based, cross-sectional, and longitudinal clinical studies with different mice models. The group works in an inspiring and interactive research environment in Biomedicum at Campus Solna and has on-going collaborative projects with national and international colleagues. To learn more about the group, please visit our web page: http://ki.se/en/fyfa/reproductive-endocrinology-and-metabolism

The doctoral student project and the duties of the doctoral student

The project will focus on the etiology and origin of PCOS by investigating how maternal anti-Müllerian hormone/androgen exposure affect the offspring and the transmission of a PCOS-like phenotype to female and male offspring in subsequent generations. Moreover, the PhD project will be involved in projects investigating human endometrium and ovarian cell population by multiomic techniques and possible tissue cross-talk.

The student is expected to fulfil the course requirements of the doctoral program, participate in regular group meetings, seminars, present at national/international meetings and take part in routine work within the research team. Most important the student is expected to plan and drive the research projects, perform experiments, analyze and present results.

What do we offer?

A creative and inspiring environment full of expertise and curiosity. Karolinska Institutet is one of the world's leading medical universities. Our vision is to pursue the development of knowledge about life and to promote a better health for all. At Karolinska Institutet, we conduct successful
medical research and hold the largest range of medical education in Sweden. As a doctoral student you are offered an individual research project, a well-educated supervisor, a vast range of elective courses and the opportunity to work in a leading research group. Karolinska Institutet collaborates with prominent universities from all around the world, which ensures opportunities for international exchanges. You will be employed on a doctoral studentship which means that you receive a contractual salary. Employees also have access to our modern gym for free and receive reimbursements for medical care.

The department is located within the brand new Biomedicum Research center on the Solna Campus of Karolinska Institute. Our collaborations with the clinics at Karolinska University Hospital provide unique opportunities for translational research. More information about research at https://ki.se/en/fyfa/department-of-physiology-and-pharmacology

Eligibility requirements for doctoral education

In order to participate in the selection for a doctoral position, you must meet the following general (A) and specific (B) eligibility requirements at latest by the application deadline.

It is your responsibility to certify eligibility by following the instructions on the web page Entry requirements (eligibility) for doctoral education.

A) General eligibility requirement
You meet the general eligibility requirement for doctoral/third-cycle/PhD education if you:

1. have been awarded a second-cycle/advanced/master qualification (i.e. master degree) or
2. have satisfied the requirements for courses comprising at least 240 credits of which at least 60 credits were awarded in the advanced/second-cycle/master level, or
3. have acquired substantially equivalent knowledge in some other way in Sweden or abroad.*

Follow the instructions on the web page Entry requirements (eligibility) for doctoral education.

*If you claim equivalent knowledge, follow the instructions on the web page Assessing equivalent knowledge for general eligibility for doctoral education.

B) Specific eligibility requirement
You meet the specific eligibility requirement for doctoral/third-cycle/PhD education if you:

- Show proficiency in English equivalent to the course English B/English 6 at Swedish upper secondary school.

Follow the instructions on the web page English language requirements for doctoral education.

Verification of your documents
Karolinska Institutet checks the authenticity of your documents. Karolinska Institutet reserves the right to revoke admission if supporting documents are discovered to be fraudulent. Submission of false documents is a violation of Swedish law and is considered grounds for legal action.

Skills and personal qualities

The candidate we are looking for is highly motivated for a PhD project that aim to investigate inheritance of reproductive, metabolic, and behavioural disease in offspring from mouse-mothers exposed to maternal anti-Müllerian hormone and/or androgens as well as functional and molecular analyses of developmental reprogramming and epigenetic transmission. Work will be performed in vivo in mice and human and in isolated tissues.

For this project it is desired that the applicant has a background in relevant subject and has taken courses that include reproductive physiology and/or metabolic disease. Research experience in
basic laboratory techniques, breading and animal handling (reproductive and metabolic testing), and single-cell RNA/methylation sequencing and computing skills is a strength.

The candidate must be fluent in English and have excellent writing skills. We are looking for a cooperative candidate who thrives working with others. The candidate will join an enthusiastic, collaborative, hardworking and dynamic team.

**Terms and conditions**

The doctoral student will be employed on a doctoral studentship maximum 4 years full-time.

**Application process**

Submit your application and supporting documents through the Varbi recruitment system. Use the button in the top right corner and follow the instructions.

Your application should contain the following documents. We prefer that your application is written in English, but you can also apply in Swedish:

- A personal letter and a curriculum vitae
- Degree projects and previous publications, if any
- Any other documentation showing the desirable skills and personal qualities described above
- Documents certifying your general eligibility (see A above)
- Documents certifying your specific eligibility (see B above)

**Selection**

A selection will be made among eligible applicants on the basis of the ability to benefit from doctoral education. The qualifications of the applicants will be evaluated on an overall basis.

Karolinska Institutet uses the following bases of assessment:

- Documented subject knowledge of relevance to the area of research
- Analytical skill
- Other documented knowledge or experience that may be relevant to doctoral studies in the subject.

All applicants will be informed when the recruitment is completed.


*Your career continues here*

**Want to make a difference? Join us and contribute to better health for all**

**Type of employment**

PhD placement

**Contract type**

Full time
First day of employment  Upon agreement

Salary  Monthly salary

Reference number  STÖD 2-4756/2020

- Elisabet Stener-Victorin, professor, elisabet.stener-victorin@ki.se

Contact

Union representative

- Henry Wölling, SEKO, henry.wolling@ki.se
- Helin Norberg, SACO, helin.norberg@ki.se
- Gunnel Brolin, OFR, gunnel.brolin@ki.se

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