



UPPSALA
UNIVERSITET

PhD student in Immunophysiology

Published: 2023-02-28

Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 54,000 students, more than 7,500 employees and a turnover of around SEK 8 billion.

The Department of Medical Cell Biology at Uppsala University is a strong and international research environment. The department has more than 110 employees, of which about 25 are doctoral students, 10 postdoctoral fellows, and 40 researchers, teachers and professors.

The research group of Professor Mia Phillipson is offering a 4-years funded PhD Student position in endometrial immunophysiology. The team is an international, dynamic and very successful research group with a well-established collaborative network and strong funding. The conducted research is aiming to uncover novel roles of immune cells and to find means to regulate their specific functions in settings spanning from organ development and regulation of homeostasis to tissue healing, angiogenesis and inflammation. The laboratory is equipped with or have access to advanced technical tools and technologies.

[Read more about our benefits and what it is like to work at Uppsala University](#)

Duties

The unique ability of the human endometrium to undergo monthly menstrual cycles of proliferation, differentiation, breakdown, shedding and scar-less repair is fundamental

to mammalian life. Circulating and fluctuating ovarian hormones are known to regulate the menstrual cycle, but the involved self-renewing mechanisms and cellular contributions within the stem cell niches are largely unknown. In fact, the localization and characteristics of endometrial stem cells still remains to be defined, as does the functions of the immune cells, which at times constitute up to 70% of the endometrial cellularity. Based on our previous findings of immune cells including neutrophils and macrophages being important for repairing injured tissues, we now want to investigate what these cells do during the endometrial injury-repair process with specific focus on their interactions with the stem cell niche. The overarching goal with this research is to generate knowledge that can be used for the development of treatments of abnormal uterine bleeding (AUB) and endometriosis. This is a full-time, four years position. Other tasks at the Department might include teaching undergraduate students as well as administration (max 20%), which will prolong the total time of employment to the same extent.

Requirements

To meet the entry requirements for doctoral studies, you must

- hold a Master's (second-cycle) degree in a relevant field such as immunology, endocrinology, microbiology, molecular, cell biology or physiology, or
- have completed at least 240 credits in higher education, with at least 60 credits at Master's level including an independent project worth at least 15 credits, or
- have acquired substantially equivalent knowledge in some other way.

Additional qualifications

The application should contain a brief description of research interests and relevant experiences, CV, copies of diplomas and transcripts, and the applicant's thesis (or a draft). If available, please also submit letters of reference or contact information of previous research supervisors.

Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, §§ 1-7 and in [Uppsala University's rules and guidelines](#).

About the employment

The employment is a temporary position according to the Higher Education

Ordinance chapter 5 § 7. Scope of employment 100 %. Starting date as agreed.

Placement: Uppsala

For further information about the position, please contact: Mia Phillipson, 018-471 44 19, mia.phillipson@mcb.uu.se

Please submit your application by the 28th of March 2023, UFV-PA 2023/648.

Are you considering moving to Sweden to work at Uppsala University? [Find out more about what it's like to work and live in Sweden.](#)

Please do not send offers of recruitment or advertising services.

Submit your application through Uppsala University's recruitment system.

Placement: Department of Medical Cell Biology

Type of employment: Full time , Temporary position

Pay: Fixed salary

Number of positions: 1

Working hours: 100%

Town: Uppsala

County: Uppsala län

Country: Sweden

Union representative: ST/TCO tco@fackorg.uu.se

Seko Universitetsklubben seko@uadm.uu.se

Saco-rådet saco@uadm.uu.se

Number of reference: UFV-PA 2023/648

Last application date: 2023-03-28

[Apply for position](#)