



UPPSALA  
UNIVERSITET

# PhD student in Cancer and Vascular Biology

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**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 Immunology, Genetics and Pathology at Uppsala University has a broad research profile with strong research groups focused on, among other things, cancer, autoimmune and genetic diseases. One of the basic ideas at the department is to stimulate translational research and thus a closer collaboration between medical research and healthcare. Research is conducted in medical and clinical genetics, clinical immunology, pathology, neuro-oncology, vascular biology, radiation science and molecular tools. Parts of the business are also integrated with the departments of oncology, clinical genetics, clinical immunology, clinical pathology and hospital physics at the University Hospital. The department has teaching assignments in a number of program programs and master's programs within the Faculty of Medicine as well as a number of programs in the field of technical-natural science. The department has a turnover of around SEK 450 million, of which just over half is external research grants. The number of employees is about 500, of which about 100 are doctoral students, and there are a total of over 700 active in the workforce. Please read more about the department's activities here: [www.igp.uu.se](http://www.igp.uu.se).

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

## **Duties**

The candidate will perform research studies in the cancer and vascular biology field

in Anna Dimberg's research group. The project is focused on understanding how the tumor microenvironment affects cancer progression and response to therapy in brain tumors. Cell culture models, experimental tumor models and analysis of tumor tissue from patients will be used to identify and explore new targets for cancer therapy. The work includes molecular characterization of the microenvironment in human brain tumors and experimental models through wet lab experiments and also bioinformatic analysis of internal and external data sets.

Further information about the research group is available at: <https://www.igp.uu.se/forskning/vaskularbiologi/anna-dimberg/>

The PhD position full time research studies for 4 years. The recipient of the PhD position will mainly perform research studies, but other tasks such as teaching and administrative work can be included up to 20 percent. The position will be extended with the time spent at teaching to ensure that 4 years are spent on research studies.

## **Requirements**

- Master degree in medical science
- Ability to work in interdisciplinary projects
- Ability to work independently and jointly in a group
- Solid experience in neuroscience
- Experience in laboratory work
- Experience in bioinformatics analysis of large scale dataset
- Experience in analysing single cell RNAseq data, from raw sequence data processing to downstream analysis
- Expertise in the R programming language, and experience in working in a Linux/Unix computer environment

## **Additional qualifications**

- Previous experience in neuro-oncology research
- Experience in scientific publishing.

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:** Anna Dimberg, 0702-166496, [anna.dimberg@igp.uu.se](mailto:anna.dimberg@igp.uu.se)

**Please submit your application by 12 October 2022, UFV-PA 2022/2835.**

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 Immunology, Genetics and Pathology

**Type of employment:** Full time , Temporary position longer than 6 months

**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](mailto:tco@fackorg.uu.se)

Seko Universitetsklubben [seko@uadm.uu.se](mailto:seko@uadm.uu.se)

Saco-rådet [saco@uadm.uu.se](mailto:saco@uadm.uu.se)

**Number of reference:** UFV-PA 2022/2835

**Last application date:** 2022-10-12

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