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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 cancer, autoimmune and genetic diseases. A fundamental idea at the department is to stimulate translational research and thereby closer interactions between medical research and health care. Research is presently conducted in the following areas: medical and clinical genetics, clinical immunology, pathology, neuro biology, neuro-oncology, vascular biology, radiation science and molecular tools. Department activities are also integrated with the units for Oncology, Clinical Genetics, Clinical Immunology, Clinical Pathology, and Hospital Physics at Akademiska sjukhuset, Uppsala. The department has teaching assignments in several education programmes, including Master Programmes, at the Faculty of Medicine, and at the Disciplinary Domain of Science and Technology. The department has a yearly turnover of around SEK 500 million, out of which more than half is made up of external funding. The staff amounts to approximately 345 employees, out of which 100 are PhD-students, and there are in total more than 700 affiliated people. Feel free to read more about the department's activities here: 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 the molecular mechanisms that regulate blood vessel formation and immune cell recruitment in tumors, and to determine how abnormal tumor vessels affect tumor progression and response to therapy. 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.

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 biochemistry or a related field
- Experience in working with cell culture models, angiogenesis models and ex vivo organ culture
- Experience in analysis of vessel formation in the retina
- Experience in isolating and culturing primary endothelial cells from the brain
- Experience in proteomics
- Experience in working with experimental glioma models
- Extensive experience in cancer research and experimental tumor models
- Expertise in imaging techniques, including confocal microscopy
- Experience in image analysis
- Experience in cell signalling, cell biology, protein biochemistry and molecular biology

Additional qualifications

- Previous experience in neuro-oncology research
- Experience in scientific publishing
- Ability to work independently and jointly in a group

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

Please submit your application by 6 April 2023, UFV-PA 2023/698.

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

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 2023/698

Last application date: 2023-04-06

Apply for position