PhD student in Brain tumor research and treatment resistance

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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
A graduate student position is available in the research groups of Fredrik Swartling and Veronica Rendo at the Department of Immunology, Genetics and Pathology of Uppsala University. We are looking for a highly motivated candidate with an interest in studies of malignant brain tumors, with a particular focus on mechanisms of response and resistance associated with current treatment strategies. The candidate’s work will focus on studying the therapeutic potential of p53 reactivation in glioblastoma multiforme, as well as characterizing the role of the transcription factor SOX9 in cancer stem cell biology and response to standard-of-care treatment.

Read more about the research group here, [http://swartlinglab.org/](http://swartlinglab.org/)

The doctoral position comprises full-time studies for a maximum of 4 years. Holders of a doctoral employment will primarily devote themselves to their own education and research, but other tasks such as training of students and administrative work may be included with a maximum of 20% of the employment. In this case, the fully employment will be extended to allow for four years of full-time studies.

Requirements
To meet the entry requirements for doctoral studies, the applicant must hold a Master’s degree in a relevant subject area, such as medicine, biomedicine, molecular biology, pharmacy, genetics or biotechnology. Documented experience of experimental research work with cell culture, mouse work (FELASA certificate or similar), histological analysis, flow cytometry, fluorescence microscopy, quantitative PCR and CRISPR-Cas9 gene-editing are strongly encouraged. Previous experience with large-scale data analysis is a strong merit. Good oral and written English skills are required.

Additional qualifications
Previous experience with brain tumor research will be seen as favourable.

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

About the employment
The employment is a temporary position according to the Higher Education
Ordinance chapter 5 § 7. Scope of employment 100 %. Starting date 1 of September as agreed. Placement: Uppsala.

For further information about the position, please contact: Associate Professor Fredrik Swartling, fredrik.swartling@igp.uu.se

Please submit your application by 14 juli 2023, UFV-PA 2023/2022.

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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 2023/2022  
Last application date: 2023-07-14  
Apply for position