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# PhD student position in 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.**

## **PhD student position in vascular biology with a focus on vascular malformations**

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, neurooncology, 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: <http://www.igp.uu.se>.

Read more about our benefits and what it is like to work at Uppsala University: <https://www.uu.se/en/about-uu/join-us/>

### **Duties**

A Ph.D. position is available in Konstantin Gängel's research group at Uppsala University, department of immunology, genetics and pathology. We are looking for a very motivated candidate that is highly interested in vascular biology. The aim of this Ph.D. project is to study blood vessel function, how vascular malformations develop and how diseases that are caused by vascular malformations can be treated. The selected candidate will establish and characterize mouse models that recapitulate vascular malformations in human diseases, for example, Cerebral Cavernous malformations (CCM), and study those malformations on the molecular and cell biological level via suitable techniques (including advanced microscopy, single-cell RNA-sequencing, immunohistochemistry and biochemistry).

### **Requirements**

The candidate should have an MSc degree in a relevant area (e.g. Medical Sciences or Molecular Biology) and hold a FELASA-C certificate or have equivalent competence. Experience with experimental research and mastering of *in vivo* methods (mouse handling, dissection of tissues, immunostainings) as well as of molecular and cell-biological methods, including confocal microscopy, are required. In addition, good knowledge of spoken and written English is required. The candidate should be independent, have high integrity and should be able to work in a team.

The application should include a CV, copies of degrees and grades, contact details of two references and a short description of the applicant and his/her experience. Letters(s) of recommendation may be included.

Selection of applicants will be done by the future tutor for the selected student in consultation with the postgraduate study group of the Department. The Postgraduate Program Committee at the Disciplinary Domain of Medicine will formally approve the student's admission. Information about the doctoral program, application procedure and rules for admission is available via [http://www2.medfarm.uu.se/utbildning/forskarniva/vill\\_du\\_borja/](http://www2.medfarm.uu.se/utbildning/forskarniva/vill_du_borja/)

### **Additional qualifications**

Strong merit would be knowledge about vascular biology and vascular malformations.

Experience in image processing, image analysis as well as in biochemistry would be advantageous.

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 successful candidate will devote most of the time towards his/her research level education. Other service activities within the department, e.g. education and administrative work can be included within the framework of the employment (maximum 20%).

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:**

Konstantin Gängel, +46(0)733902741, [konstantin.gaengel@igp.uu.se](mailto:konstantin.gaengel@igp.uu.se)

**Please submit your application by 15 November 2022, UFV-PA 2022/3066.**

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

Seko Universitetsklubben seko@uadm.uu.se

Saco-rådet sacco@uadm.uu.se

**Number of reference:** UFV-PA 2022/3066

**Last application date:** 2022-11-15

**Apply for position**