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PhD student position in the research group of Bo Nilsson

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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 45,000 students, more than 7,000 employees and a turnover of around SEK 7 billion.

Department of Immunology, Genetics and Pathology 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 45,000 students, more than 7,000 employees and a turnover of around SEK 7 billion. The Department of Immunology, Genetics and Pathology at Uppsala University (www.igp.uu.se) 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-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 in a number of educations at the Disciplinary Domain of Science and Technology. The department has a yearly turnover of around SEK 420 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.

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Duties/project description

The aim of the research project is to study the mechanisms behind activation of the complement system and thrombo-inflammation as well as the development of techniques for complement and thrombo-inflammation diagnostics. The project comprises both preclinical and clinical applications and will utilize diagnostic methods such as immunoassays, capillary immunoelectrophoresis and immunohistochemistry, as well as in the production, purification and characterization of antibodies and recombinant proteins.

More information about the research

group: https://igp.uu.se/research/clinical_immunology/bo_nilsson/

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 position will be extended with the time devoted to teaching to allow four years of full-time graduate studies.

Requirements

Completed master's degree (240 credits) or equivalent with courses that include molecular biology, immunology and techniques in biosciences or similar. Very good knowledge in English both written and oral is a requirement. The applicant should have experience in diagnostic methods such as immunoassays, capillary immunoelectrophoresis and immunohistochemistry, as well as in the production, purification and characterization of antibodies and recombinant proteins. Knowledge in cell biology, including handling of platelets, is also required.

Additional qualifications

Deep insight into complement biology and interdisciplinary areas related to the project, such as drug development and nanotechnology, is an advantage. Great

emphasis will be placed on personal suitability and interest in research in thrombo-inflammatory processes and associated methodology.

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

Information about education at the postgraduate level, admission requirements and admission decisions can be found at <https://mp.uu.se/web/info/forska/forskarutbildning/medicin-och-farmac/>.

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 Programmes Committee at the Disciplinary Domain of Medicine will formally approve the student's admission.

About the employment

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

For further information about the position, please contact: Kristina Nilsson Ekdahl, 0722-320726, kristina.nilsson_ekdahl@igp.uu.se

Please submit your application by 11 Februari 2022, UFV-PA 2021/4990.

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 2021/4990

Last application date: 2022-02-11

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