PhD position in Comparative Cancer Genomics

Published: 2021-06-15

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 Medical Biochemistry and Microbiology (IMBIM) at Uppsala University provides a broad international environment for research and teaching. The Department’s research covers three collaborative and partially integrated sections: Cancer, infections and immunity as well as genetics and genomics. More info: http://www.imbim.uu.se/research-areas/.

We are seeking a highly motivated candidate with the ability to work independently and with a strong interest in pursuing a PhD degree at Uppsala University in comparative cancer genomics with specialization in both human and dogs. The study plan is focused on identifying genes that underlie osteosarcoma in dogs and humans as well as genes that underlie glioblastoma.

**Project description and working tasks**: The Lindblad-Toh and Forsberg-Nilsson labs (the latter at IGP, UU) have a strong focus on genomic analysis of non-coding constraint mutations affecting gene regulation in brain tumors and osteosarcoma. The PhD student will perform computational analysis of next-generation sequencing data, with a focus on tumor mutations in the genomic data from dogs and humans. In addition, the student is expected to interact with lab personnel about the design and interpretation of experimental aspect of validating the findings. We use whole-genome sequencing data from tumors and normal tissue, RNA seq data and
integration of various database resources to identify and further study regulatory
tumor mutations.

**Qualifications:** Candidates should hold a Master degree or equivalent (corresponding to 240 credits), with a focus on bioinformatics, cancer genomics and/or evolutionary genetics. Strong skills in programming is also a requirement. Very good oral and written communication skills in English are required. Emphasis will also be given on personal qualities such as collaboration and communication skills as well as analytical capacity. The candidate is expected to take own initiatives as well as to collaborate with national and international colleagues both within and outside of the group.

**The selection is based on the following criteria:** completion of the above qualifications, grades in relevant courses, suitability of the courses to the research program, previous experience in working and/or performing research in the wider area that relates to the project described above. An integrated assessment of the applicant is generated in order to employ the best possible candidate that can succeed in the doctoral studies and contribute to a positive development of the research program.

To be employed as a PhD student, the applicant must be accepted in the postgraduate program. Information concerning doctoral education, requirements and rules of admission can be found in: [http://www2.medfarm.uu.se/utbildning/forskarniva/](http://www2.medfarm.uu.se/utbildning/forskarniva/). The length of the study period for full time employment is a maximum of four years. Terms for graduate studies can be found in Högskoleförordningen 5 kap §§1-7.

**Formal Duties:** The successful candidate will engage in research and doctoral studies. Other duties at the department, i.e. administration and teaching, may be included in the employment up to a maximum level of 20 %.

**Application:** Please submit your application by using the Uppsala University application portal, and by including i) a CV, ii) publications and/or a copy of master thesis or equivalent, iii) a letter describing your research interests, skills and motivation to apply for the position, together with iv) contact information of at least two referees (phone numbers and e-mail addresses).
Salary: According to local agreement for PhD students.
Starting date: as soon as possible or as otherwise agreed.
Type of employment: Temporary position according to the Higher Education Ordinance chapter 5 §§ 1-7.
Scope of employment: 100%. 

For further information about the position please contact: Professor Kerstin Lindblad-Toh, kerstin.lindblad-toh@imbim.uu.se.

Please submit your application by July 15, 2021, UFV-PA 2021/1891.

Are you considering moving to Sweden to work at Uppsala University? If so, you will find a lot of information about working and living in Sweden at www.uu.se/joinus. You are also welcome to contact International Faculty and Staff Services at ifss@uadm.uu.se.

Please do not send offers of recruitment or advertising services.

Submit your application through Uppsala University’s recruitment system.

Placement: Department of Medical Biochemistry and Microbiology
Type of employment: Full time , Temporary position longer than 6 months
Pay: According to local agreement
Number of positions: 1
Working hours: 100 %
Town: Uppsala
County: Uppsala län
Country: Sweden
Union representative: Saco-rådet saco@uadm.uu.se
ST/TCO tco@fackorg.uu.se
Seko Universitetsklubben seko@uadm.uu.se
Number of reference: UFV-PA 2021/1891
Last application date: 2021-07-15

Login and apply