

Doctoral (PhD) student position in tumor immunology

At the Department of Oncology-Pathology basic, translational and clinical research and educational activities related to cancer is carried out. Approximately 300 people from many different nations are currently working at the department. We have around 30 research groups with various cancer research profiles and we have around 120 PhD students. The Department of Oncology-Pathology is responsible for undergraduate courses in Pathology, Oncology and Forensic Medicine for medical students, as well as for Tumor biology courses for biomedicine students and Pathology courses for opticians.

A doctoral position is an available doctoral education project to which a PhD student is to be recruited. After the selection process the process for admission to doctoral education will commence. An admission decision will not be taken until an individual study plan has been approved by the departmental admission board.

For more information regarding doctoral (PhD) education, see: <http://www.ki.se/doctoral>.

Research group

Our research focuses on to develop novel cancer therapies and better biomarkers that will lead to improved survival and earlier detection in patients with cancer. Our particular research interest is within tumor immunology and we put considerable emphasis on translating our basic research findings to patient care.

The doctoral education project and the duties of the student

The objective of the announced position is to study how immune suppression controls T cell-mediated immunogenicity against prostate and ovarian cancer. In detail, the project is designed to first identify immunosuppressive factors in patients with cancer and characterize mechanisms of immune suppression of T cells in cancer. How mechanisms of immune suppression circumvent inhibition of T cells will be investigated. The PhD student will work alongside PhD students and postdoctoral fellows of the research group.

The student is expected to play a strong role in scientific hypothesis, experimental design, experimentations, data analysis, presentation of results and manuscript preparation. The project involves various cellular and molecular biology technique including cell culture (tumor cells, lymphocytes), flow cytometry, migration, proliferation, and cytotoxicity assays cloning, qPCR, RNA and protein immunoprecipitation, etc. The student will be responsible to follow the general rules and regulations and time plan of the doctoral program.

Entry requirements for doctoral education at KI

To be eligible for doctoral education following requirements has to be met:

General entry requirements

A person meets the general entry requirements for doctoral/third-cycle/PhD education (according to Higher Education Ordinance Chapt 7, section 39) if he/she:

1. has been awarded advanced/second-cycle/master qualification (i.e. master degree) or
2. has satisfied the requirements for courses comprising at least 240 credits of which at least 60 credits were awarded in the second-cycle/master level, or
3. has acquired substantially equivalent knowledge in some other way in Sweden or abroad.

Specific entry requirements

Proficiency in English equivalent to the course English B/English 6 at Swedish upper secondary school: Proficiency in the English language can be documented by an internationally recognized test such as TOEFL or IELTS, see web-link below for more information.

Applicants who meet the general entry requirements (1 or 2 above) from a university in one of the Nordic countries fulfill the requirements in English.

For more information regarding general and specific entry requirements: <http://ki.se/en/education/entry-requirements-eligibility-for-doctoral-education>

Skills and personal qualities

We seek a highly motivated student who has a strong interest in tumor biology and immunology research. The applicant should have good communication skills and ability to interact effectively and work productively in a team of researchers. Emphasis will be placed on personal ability and previous experience of laboratory work. Excellent ability to express themselves in speech and writing, including scientific writing in English is a requirement. The candidate should have a degree in molecular life sciences or medical laboratory sciences. Previous experience in the fields of molecular biology, tumor biology, microscopy, flow cytometry, immunohistochemistry, gene transfer into lymphocytes, and experience in tissue processing are advantages for this project. Especially advantageous is experience in multicolor flow cytometry on fresh tumor samples. The student will be responsible to follow the general rules and regulations and time plan of the doctoral program.

Candidates should have at least 6 months experience of practical laboratory work.

Assessment criteria

A selection will be made among qualified applicants on the basis of the ability to benefit from doctoral education. Karolinska Institutet uses the following bases of assessment:

- Documented subject knowledge of relevance to the area of research
- Analytical skill
- Other documented knowledge or experience that may be relevant to doctoral studies in the subject

The qualifications of the applicants will be evaluated on an overall basis.

Terms and conditions

The most common way of financial support for doctoral students at KI is doctoral grant the first year and a doctoral studentship (doctoral employment) for year 2, 3 and 4. During the time between recruitment and admission a short-term employment can be offered for up to 6 months.

Application process

An application must contain the following documents in Swedish or English:

- A personal letter and curriculum vitae
- A copy of degree certificates and associated certificates
- A copy of degree projects and any previous publications

The application is to be submitted through the MyNetwork recruitment system.

Anställningsform	Doktorandplats
Anställningens omfattning	Heltid
Tillträde	June 1 2015
Ref. nr.	2-1411/2015
Kontakt	Michael Uhlin, Associate Professor, michael.uhlin@ki.se
Facklig företrädare	Andreas Lundqvist, SACO, 46 8 517 76884, andreas.lundqvist@ki.se; Barbro Näsman-Glaser, OFR, 08-517 739 95 Gunnar Stenberg, SEKO, 08-524 880 75
Publicerat	2015-04-02
Sista ansökningsdag	2015-04-23
Länk till annons	http://ki.varbi.com/what:job/jobID:62499/