

Invites applications for a postdoctoral scholarship

We are looking for a highly motivated person with a background in molecular biology/biochemistry/bio-technology or similar, to join the Jakobsson lab within the vascular biology division. The environment is very dynamic consisting of five other research groups (Christer Betsholtz, Ulf Eriksson, Kristian Pietras, Jonas Fuxe and Johan Björkegren) with a total of approximately 40 employees.

Area of responsibilities

The blood vasculature is a main player in numerous diseases such as cancer, diabetic retinopathy, atherosclerosis, stroke complications and rheumatoid arthritis. The main focus of the lab is to characterize functional properties of the perivascular mural cells in development (angiogenesis), normal physiology, inflammation, diabetic retinopathy and cancer. We are investigating the regulation of the selective transport of molecules between blood and tissue in physiology and disease.

The work will include isolation and study of mouse embryonic stem (ES) cells and genetic manipulation of such. Also, an array of transgenic organisms will be analyzed by ex vivo and in vivo imaging of the vasculature.

Qualifications

To qualify, the applicant must hold a doctor's degree or a foreign qualification deemed equivalent to a doctorate in the field of molecular biology, biotechnology/engineering or similar.

Previous successful experience in molecular cloning (BAC), tissue culture, in vivo work and advanced microscopy would be an advantage. Lab experience from outside of Sweden is considered a strong merit.

The candidate should be self-motivated, have good communication skills and ability to interact effectively and work productively in a team. Fluency in English is a requirement.

Applicants who have completed their degree no more than three years before the last date for applications should be given priority. Candidates who have completed their degree earlier than this should receive equal priority if special grounds exist.

Postgraduates who have yet to graduate may apply if their public defense is scheduled to take place within three months after the application deadline, in which case verification from the Dissertation Committee or equivalent body must be submitted with the application.

A scholarship for the pursuit of postdoctoral studies may be awarded to a person who comes from a country outside of Sweden and can only be established for the education of the holder. Educational scholarships are restricted for postdoctoral studies lasting up to two years and exempted from Swedish income tax.

A scholarship for the pursuit of postdoctoral studies may be awarded for up to two years in the five years following the public defence (or equivalent) of a doctoral thesis. The scholarship amount is approved for up to six months at a time and is paid monthly.

The position is available for 2 years with possible extension for 1-2 years. The successful candidate should start at the latest April 1, 2012.

Contact persons

For more information please contact Lars Jakobsson, +46-8-524 879 42, lars.jakobsson@ki.se

Union representatives:

SACO: Biborka Bereczky Veress, +46 70-173 85 75, biborka.bveress@ki.se

OFR: Anna Aleman, +46 8 524 866 07, anna.aleman@ki.se

SEKO: Gunnar Stenberg, +46 8 524 880 75, gunnar.stenberg@ki.se

The application, marked with reference number 07482/2011, should be sent to KI Job or to

Jenny Dahlqvist

Karolinska Institutet

Institutionen för Medicinsk Biokemi och Biofysik (MBB)

171 77 Stockholm

The following documents should be enclosed with your application:

- Your full CV
- A cover letter with a brief description of research interests and expertise
- The name and contact details of two-three references

Last day of applications is January 5, 2012