

Postdoctoral Fellow in Membrane Protein Structural Biology

at DBB. Closing date: 2nd June 2024.

The department's premises are mainly located in the Arrhenius laboratories together with the other chemistry departments and other departments within Life Science. More than 270 people, approximately 60 of whom are PhD students, are currently working at the department. The research spans a wide area and, within many of the projects, is absolutely world-class. The department is unique in Sweden and also in the world due to its interdisciplinary nature and spans a very broad area including cell biology, biochemistry, biophysics and theory. For more information about our operations, see our website www.dbb.su.se.

Project description

The project is focused on determining the structure and function of secondary-active solute protein carriers.

Main responsibilities

We are looking for a biochemist with a focus on membrane protein structural biology, with experience working with transporter proteins. The work includes planning and running research projects, which aim to determine the structure and function of secondary solute protein carriers and their dynamics. Supervision of doctoral students and other participants in the project is also required. Experience of working with membrane proteins; production, isolation and functional studies are a requirement. Experience with single-molecule FRET and analysis of membrane proteins is also desirable. Experience with "single-particle cryo electron microscopy (EM)" is advantageous.

Qualification requirements

Postdoctoral positions are appointed primarily for purposes of research. Applicants are expected to hold a Swedish doctoral degree or an equivalent degree from another country.

Assessment criteria

The degree must have been completed at latest before the employment decision is made, but no more than three years before the closing date. An older degree may be acceptable under special circumstances. Special reasons refer to sick leave, parental leave, elected positions in trade unions, service in the total defense, or other similar circumstances as well as clinical attachment or service/assignments relevant to the subject area.

Very good knowledge of English, both spoken and written, is a requirement, as is the habit of giving research presentations and documenting the work. Experience in supervising students and technical staff is also important. Personal qualities important to this position are the ability to work independently as well as in collaboration with other team members to achieve common goals. In the appointment process, special attention will be given to research skills. In the appointment, special weight will be attached to scientific ability. Ability to use cryo EM to analyze membrane protein structure of membrane proteins as well as production of membrane proteins is also of great importance.

Scholarships for postdoctoral qualification can be established for foreign researchers who place their qualifications in Sweden. The purpose of scholarships for postdoctoral qualification is to promote internationalization and contribute to research qualification after a doctorate or equivalent. The scholarship amount is tax free. The scholarship can be paid out during a two-year period within five years after dissertation.

Terms of employment

The position involves full-time for two years. Start date [2024-07-15] or as per agreement.

Stockholm University strives to be a workplace free from discrimination and with equal opportunities for all.

Application

To apply for the position, please send an email with the following documents to david.drew@dbb.su.se and louise.lehto@dbb.su.se with subject “Application for postdoc position”

Please include the following information with your application

- Your contact details and personal data
- Your highest degree
- Your language skills
- Contact details for 2–3 references

and, in addition, please include the following documents

- Cover letter
- CV – degrees and other completed courses, work experience and a list of publications
- Research proposal (no more than 3 pages) describing:
 - why you are interested in the field/project described in the advertisement
 - why and how you wish to complete the project
 - what makes you suitable for the project in question
- Copy of PhD diploma
- Letters of recommendation (no more than 3 files)
- Publications in support of your application (no more than 3 files).