Lund University is one of Europe's leading universities. Here, history and tradition lay the ground for the study and research environments of tomorrow. We offer education and research within engineering, science, law, social sciences, economics and management, humanities, theology, fine art, music and theatre. Through interaction with business and the community we ensure that knowledge and innovations benefit society. The University has 47 000 students and 7 200 staff from all over the world, based mainly in Lund, Malmö and Helsingborg. We work with 680 partner universities in more than 50 countries.

Lund University invites applications for the following position:

**Post-doctoral scholarship**

**Placement:** Department of Experimental Medical Science  
**Ref No:** V2021/2915  
**Duration:** 6 months. The scholarship can be drawn for a total of two years.  
**Starting time:** 2022-06-01 or upon agreement  
**Last day for applying:** 2022-04-14

**Description:**

We are seeking a postdoctoral fellow to join a new team led by Christopher Douse based in the Wallenberg Neuroscience Center at Lund University. We are interested in applying biochemical, structural and functional -omic methods to explore molecular mechanisms of chromatin regulation in neural stem cells.

In general the lab is interested in how chromatin structure influences outputs such as transcription and splicing in human brain development. Our current particular interests are: (i) understanding how improper regulation of chromatin may lead to neurodevelopmental disorders and (ii) delineating mechanisms underpinning epigenetic control of transposable elements.

In this project we will combine molecular biology and biochemical methods to study the mechanisms by which chromatin regulators interact and remodel chromatin structure in neural development. The project will involve the measurement of protein-DNA and protein-protein interactions in vitro and in cells, and the pursuit of novel protein-DNA complex structures. The recipient of the scholarship will have the opportunity to learn about several cutting-edge...
methods for profiling chromatin regulation, including in advanced neural stem cell models.

Qualifications

The project would ideally suit a biochemist or molecular/structural biologist. An interest in chromatin, epigenetics and/or transposon biology would be beneficial. Your wet lab skills could include: protein biochemistry, structural biology (X-ray, cryoEM), proteomics, epigenomic profiling (e.g. ChIP-seq, CUT&RUN). Technical training will be provided where required.

Eligible candidates must have obtained their PhD within the last three years. Moreover, eligible candidates must not have held positions at Lund University within the last two years.

The application should contain:

(i) A brief cover letter summarizing your experience and interests; (ii) your academic CV including 2-3 references; (iii) PhD diploma

Information:

Dr. Christopher Douse
E-postadress: christopher.douse@med.lu.se

Appointment procedure:

Applications are to be sent to Dr. Christopher Douse via e-mail: christopher.douse@med.lu.se

Dnr V2021/2915 shall be indicated on the application.

Information regarding post doc scholarships at Lund University

• The scholarship amounts are paid quarterly.

• The scholarship follows the regulations laid down by the University Vice-Chancellor (LS 2010/68, A13).

• The scholarship is intended for the holder’s own education/professional development and does not constitute remuneration for work or other service that has been carried out or will be carried out on behalf of the University.

• The scholarship does not give any entitlement to sickness benefit, parental allowance, holiday pay or pension.

• The host faculty/department and the scholarship holder shall draw up in writing an agreed plan for the studies/development.
• The Scholarship holder is to be informed about the length of the stay, assured social conditions, and continual review of the scholarship holder’s development.

• The Scholarship holder is to be informed about insurance covering the scholarship holder and the need to check his/her own insurance requirements.

• The scholarship holder is to be treated equally to students/researchers in the same situation but with different sources of funding.

• The scholarship holder is to be assured and to contribute to a good working environment.

• The Scholarship holder is to be informed about the risk of possible retrospective taxation in Sweden in cases where the scholarships are administered and paid out by LU and the scholarship holder gains employment at LU shortly after the period of the scholarship.

• There may be a risk of the scholarship holder being taxed in his/her home country; the scholarship holder should investigate this before the period of the scholarship.