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:** V2020/1206  
**Duration:** 6 months. The scholarship can be drawn for a total of two years.  
**Starting time:** September 1, 2020  
**Last day for applying:** August 15, 2020

**Description:**

The Virus Biophysics group conducts research in physical and medical virology with focus on human herpesviruses. Our research has been at the forefront in this area for several years. The group is led by Professor Alex Evilevitch and consists of both research and technical staff. The laboratory is located at the Biomedical Center in Lund. Here you can read more about our exciting research [https://portal.research.lu.se/portal/en/persons/alex-evilevitch(189df093-a9ea-48c8-a2fc-38ba129d8713)/publications.html#0](https://portal.research.lu.se/portal/en/persons/alex-evilevitch(189df093-a9ea-48c8-a2fc-38ba129d8713)/publications.html#0)

Within the research group we foster a work environment that is developing and stimulating for all employees. We are now seeking a postdoctoral scholar in biophysics/virology/cell and molecular biology/microbiology/biochemistry/pharmacology to study mechanisms of infection in herpesviruses and participate in development of novel antiviral therapies.
Several virus families have spread to pandemic magnitudes among world populations due to their ability to establish latency (e.g. HIV, HTLV, Herpes-viruses). Chief among these are the herpesviruses which are the focus of this proposal. The World Health Organization estimates that nearly 90% of the human population is infected with HSV-1, 65% with CMV, and around 500 million people are infected with HSV-2 (all within the Herpesviridae family). These viral infections can cause a wide variety of human diseases that last a lifetime and periodically reactivate causing recurrent debilitating and sometimes lethal diseases.

One of the major challenges of healthcare in fighting viral infections is the reservoir of latently infected cells, where the viruses go ‘dormant’ while getting passed on as the cell divides and thus showing no signs of infection. However, at any point, viruses can reactivate, leading to so-called lytic infection, producing many copies of themselves within their host, ultimately killing the cell. It is this latency-reactivation cycle that has been poorly understood and has challenged scientists. Therefore, it is essential to understand the fundamental mechanisms that underlie this tenacious viral infection cycle, and will reveal targets for the development of novel therapies. The aim of this project is to investigate how mechanics within the cell and virus regulate the decision between latency and reactivation. You will also participate in a project focused on development of antiviral therapies for herpes treatment.

Qualifications
A postdoc has to have completed a doctoral degree (PhD or an equivalent degree) and have the following requirements fulfilled for employment:

- PhD in physics / chemistry / biophysics / structure biology / cell biology / virology / microbiology / pharmacology
- Great emphasis will be placed on personal qualities.

Other merits include:

- Research experience in drug development

You will also be required to participate in conferences, business trips and student training and supervision.

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:
Please submit your application with curriculum vitae and PhD Diploma.

Information:
Associate Professor, Alex Evilevitch
Tel: +46 (0) 46-222 09 47
E-mail: Alex.Evilevitch@med.lu.se

Appointment procedure:
Applications with CV is to be sent to HR Coordinator Maria Palmkron via e-mail: maria.palmkron@med.lu.se

Dnr V2020/1206 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.