

Postdoctoral fellowship to study structural and functional evolution of viral proteins

The von Castelmur lab at the Department of Physics, Chemistry and Biology (IFM) and part of the Wallenberg Center for Molecular Medicine at Linköping University, Sweden, is looking to recruit a postdoctoral fellow (2-year fellowship, funded by Knut and Alice Wallenberg foundation) to study the evolutionary relationship and functional repurposing of human proteins acquired by picornaviruses (through horizontal gene transfer).

The overall goals of this particular project is to continue the structural and functional characterisation of these viral proteins already begun in the lab. The project will involve molecular biology, biochemistry and biophysics in combination with structural biology techniques (in house access to a variety of techniques through ProLinC). Therefore, we seek highly motivated individuals with practical experience and expertise in cloning and protein production (bacterial expression, purification, characterization), structural biology (experience in at least one technique is required) and an interest in learning new methods and skills.

Qualifications and requirements to applicants:

- Postdoctoral fellowship may be granted only to non-Swedish citizens with a PhD or equivalent acquired in a country other than Sweden.
- The applicant must have or be about to receive a doctoral degree in a subject relevant to the research project (e.g. structural biology, molecular biology, biochemistry, biophysics, chemistry, or a related area) and needs to be passionate about research. Problem solving ability and creativity are essential.
- Documented ability to write scientific manuscripts (one or more first author papers from Ph.D. and postdoctoral studies will be highly valued)
- Excellent English interpersonal, communication and writing skills
- Ability to operate both independently but also as a team player in a multi-disciplinary environment

Application

The application should consist of the following:

1. A short (maximum 1 A4 page) cover letter, explaining the motivation to apply for the position.
2. The CV of the applicant, including a list of published peer-reviewed articles.
3. Statement of Research Interests, max 2 pages
4. Copies of the PhD diploma (or equivalent).
5. Contact details for 2-3 references, one of which should be your PhD supervisor.

The duration of the fellowship is 2 years. Your application should be written in English and prepared as a single package in PDF format, to be submitted to eleonore.von.castelmur@liu.se. Make sure to use the subject line: "application for postdoctoral fellowship 2021" in the application email. Deadline for application is 31st of July 2021. The top ranked candidates will be contacted within three weeks from the closing date for an interview. Starting date according to agreement, but ideally starting as soon as possible. For more information, contact Dr. Eleonore von Castelmur.

Webpage: <https://liu.se/en/research/von-castelmur-lab>