Announcement of post-doc scholarship at the Department of Translational Medicine within Anna Blom's research group focused on immune response in infections.

Project is focused on the role of the main complement factor C3 in the antibacterial responses. The novelty of the project lies in the study of intracellular roles of C3 as opposed to its well established anti-bacterial functions in blood. Additionally, the project aims to identify evasions strategies developed by some bacterial pathogens to avoid intracellular C3 responses.

The collaborative project will offer an excellent opportunity for training in a wide range of advanced methods. These include advanced flow cytometry, confocal and superresolution microscopy, molecular techniques including CRISP/Cas-9 gene editing, protein interactions and cancer/microbiology specific assays. In addition, recruited fellow will participate in high standard scientific meetings presenting their work, and in collaboration with prestigious scientists, and clinical partners in fields of clinical microbiology and pathology.

Our research group focuses on the innate immunity in physiology and pathology including infections. We offer challenging project, which involves state-of-the-art instrumentation, and great educational opportunities in a dynamic and multidisciplinary research group with high reputation and collegial work culture. Importantly, the successful candidate will work closely with the group leader in collaborative research setting to develop the project and support the candidate in achieving their career goals.

The group’s homepage: https://www.protein-chemistry.lu.se

Qualifications

The candidate must hold a PhD in the field of preferentially microbiology or immunology, cell biology or related discipline, and must have completed their PhD within 3 years from the start of the appointment. The PhD degree must not be from Lund University. The applicant must not have been employed at Lund University in the past two years.

Previous experience in all or some of the following: microbiology, cell biology, protein expression and analysis, flow cytometry, microscopy, and statistical analyses are advantageous.

Applicants should be highly motivated, able to work both independently and in collaboration, inventive and communicative.

Fluency in both written and spoken English is mandatory.
Scholarship period: 24 months.

Scholarship amount: 78000 SEK per quarter (three months)
Preliminary (flexible) start date: February 2022
Supervisor/contact person: Professor and head of research group Anna Blom (anna.blom@med.lu.se or +46 704150682)

Written application, including reference number, is to be sent via e-mail to anna.blom@med.lu.se and must include the following:
- CV including publication list
- Personal letter stating the reasons why the project suits the applicant
- References (2)

Application deadline: Nov 21, 2021

Information regarding scholarships at Lund University
- The scholarship sum is paid quarterly and in advance
- The scholarship is a grant and therefore not subjected to tax deduction
- A scholarship can be awarded for 24 months but will be reviewed after 6 months
- The scholarship is intended for the recipient’s own education and does not constitute compensation for work carried out for the University.
- The scholarship does not constitute a pensionable income.
- The scholarship does not include financial compensation for parental leave.
- The scholarship does not entitle the recipient to unemployment benefits after the scholarship period.
- The scholarship follows the regulations established by the Vice-Chancellor of Lund University (June 27th 2013; Reg. No PE 2013/356).