



## SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

Diarienum: GU 2023/2104

### Postdoctoral scholarship in Enterotoxigenic *E. coli* (ETEC) Genomics and Evolution

**Location:** Department of Microbiology and Immunology, Sahlgrenska Academy, University of Gothenburg, Sweden

**Duration:** 2 years

**Application Deadline:** 2023-09-14

**Start Date:** The Scholarship is available immediately or according to agreement.

#### Project description

We invite applications for a Postdoctoral scholarship at the Department of Microbiology and Immunology, University of Gothenburg. The successful candidate will join a team led by Dr. Astrid von Mentzer, which focuses on *E. coli* pathogen evolution and virulence using microbial genomics and molecular biology. This is a unique opportunity to investigate the evolution and host adaptation mechanisms of enterotoxigenic *E. coli* (ETEC), a major global health pathogen causing acute diarrhoea. Access to a large collection of short- and long read sequenced genomes as well as collection of ETEC strains is available.

#### Qualifications

- Highly motivated individual with an interest in bacterial pathogen evolution and/or antimicrobial resistance
- PhD in Molecular Biology, Microbiology, Bioinformatics, Computational or Systems Biology, or a related field
- Experience with microbial genomics, comparative genomics and phylogenomics is preferable
- Proficiency in relevant programming languages (e.g., Python, R) is desirable
- Strong written and oral communication skills in English

#### Fellowship Package

- Funding is in the form of a tax-exempt scholarship for a maximum of two years.
- Opportunity to attend one international conference per year to present your work
- Engage in a supportive and collaborative research environment.

#### Application Process

Interested applicants should submit:

1. A cover letter detailing your research experience, interests, and motivation for applying. (Maximum 1 A4)
2. A CV, including a list of publications.
3. Copies of relevant degree certificates(s)
4. Names and contact information for three references.

Applications should be sent to Dr Astrid von Mentzer at [astrid.von.mentzer@gu.se](mailto:astrid.von.mentzer@gu.se) with the subject line “Postdoctoral Application – ETEC Genomics”.

For more information about the team and our research please visit [vonmentzerlab.com](http://vonmentzerlab.com)!