



SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

Utlysning

Project Title: Sorting of goblet cells from human intestinal biopsies for single-cell sequencing

Project duration and dates: 12 months, start 2025-05-01

Application deadline: 2025-04-24

Amount: 3 * 88000 SEK

Project summary:

The Elisabeth Nyström lab works towards a better understanding of the role of diverse intestinal goblet cell populations in maintenance of the intestinal mucus layer and health. scRNA-seq has been used for in-depth analysis of goblet cells in mice, and we are now interested in how this translates to human, and how the composition of goblet cells is altered in disease.

The project aims to optimize methods for epithelial isolation and goblet cell sorting from human intestinal biopsies by fluorescent activated cell sorting. Sorted goblet cells will be analyzed by scRNA-seq.

Applicant:

The applicant should hold at least a bachelor's degree in natural sciences or life science and have extensive training in laboratory work. The applicant should be able to work independently on given tasks. Familiarity with immune-based analyses and knowledge in bioinformatics analysis using R or equivalent is required for the project.

Application:

Applications should be emailed to Elisabeth.nystrom@gu.se. The application should include; Motivation letter, CV including contact info.