



THE SAHLGRENKA ACADEMY
INSTITUTE OF NEUROSCIENCE AND PHYSIOLOGY

Department of Physiology
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Announcement - scholarship at undergraduate/advanced level

The Department of Physiology, Institute of Neuroscience and Physiology, hereby announces a vacant scholarship at undergraduate/advanced level in Gastroenterology III

Training Plan

Subject: Gastroenterology

Background: Ulcerative colitis (UC) is a chronic inflammatory disease that affects the colon. The pathogenesis of UC is still unknown, however the inflammatory response is thought to be directed towards the intestinal microbiota. We have previously shown that colonic goblet cells (GCs) play an essential role in regulation of colonic health by sampling and delivering luminal antigens to the immune system and by providing the mucus barrier.

Purpose: In this project we will explore GC – immune cell interactions in the human colon.

Method: We will explore GC – immune cell interactions in human colonic biopsies using immunohistochemistry.

Time plan: The first weeks will be dedicated to training the student in the respective methods and data analysis. During the remaining time the student is expected to work independently.

Learning outcome: Following completion of the project the student will have obtained practical and theoretical training in gastroenterology. The practical experience includes immunohistochemistry and confocal microscopy. The theoretical aspects focus on epithelial immune cell interactions in the colon. This training position comes with a stipend, that does not represent a salary and the activities performed are not regarded as work.

Period

2024-06-17 to 2024-09-06

Financing

1 payment of 32.000 SEK. A total of 32.000 SEK for the whole period

If you require any further information, please contact Jenny Gustafsson, jenny.gustafsson@gu.se, supervisor.

Application

To apply please fill out the form “Scholarship application” and send it to Jenny Gustafsson, jenny.gustafsson@gu.se, supervisor.

Please attach a copy of:

CV

Letter of motivation

Registration certificate

Closing date is 2024-06-12.