



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 cardiovascular physiology research.

Training plan

Cardiovascular disease is the leading cause of mortality and morbidity in the world today. Despite recent advances in the treatment strategies for cardiovascular disease, there is still a large demand for new innovative pharmacological treatments. The overall aim of this research project is to unravel the role of the serotonin receptor 5-HT₃ and 5-HT₇ receptors for its role in regulating inflammation and subsequently the progression of atherosclerosis.

In this project the student will learn how to establish immunohistochemical protocols for investigating expression and localization of 5-HT receptors in atherosclerotic tissues. Furthermore, the student will learn how to perform in vitro cell stimulations, extract RNA, cDNA and subsequently investigate gene expression using real-time PCR. In addition the student will learn to analyze, present and interpret the obtained data. The project is expected to take 8 months. This training position comes with a stipend that does not represent a salary, and the activities performed are not regarded as work.

Period

2025-02-11 to 2025-10-11

Financing

2 payments of 52 000 SEK. A total of 104 000 SEK for the whole period

If you require any further information, please contact If you require any further information, please contact Maria Johansson, maria.e.johansson@neuro.gu.se supervisor.

Application

To apply please fill out the form "Scholarship application" and send it to If you require any further information, please contact Maria Johansson, maria.e.johansson@neuro.gu.se, supervisor.

Please attach a copy of:

CV

Letter of motivation

Closing date is 2025-02-10.