



**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.

### **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-HT<sub>3</sub> and 5-HT<sub>7</sub> 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 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 5 months. This training position comes with a stipend, that does not represent a salary and the activities performed are not regarded as work.

### **Period**

2024-07-15 to 2024-12-15

### **Financing**

2 payments of 30 000 SEK. A total of 60 000 SEK for the whole period

If you require any further information, please contact Maria Johansson, [maria.e.johansson@neuro.gu.se](mailto:maria.e.johansson@neuro.gu.se) supervisor.

### **Application**

To apply please fill out the form "Scholarship application" and send it to Maria Johansson, [maria.e.johansson@neuro.gu.se](mailto:maria.e.johansson@neuro.gu.se) supervisor.

Please attach a copy of:

CV

Letter of motivation

Registration certificate

Closing date is 2024-07-10.