



**SAHLGRENKA ACADEMY  
INSTITUTE OF BIOMEDICINE**

Diariennr: GU 2024/3230

**Institute of biomedicine**

2024-11-03

Avdelningen för medicinsk kemi och cellbiologi  
Handledare: Ruth Palmer  
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**Announcement of scholarship – postdoctoral fellow**

**Project Title:** Investigation of serine protease activity in ALK-driven neuroblastoma models.

**Project duration and dates:** 2025-01-01 – 2025-12-31

**Application deadline:**

**Supervisor:** Ruth Palmer

**Contact:** ruth.palmer@gu.se

**Project summary:** The applicant will study the role of serine proteases in ALK-driven neuroblastoma in Ruth Palmer's lab, utilizing both Drosophila and mouse models. The research will involve dissecting how serine proteases contribute to ALK signaling and tumorigenesis using the genetic tractability of Drosophila. Insights gained will be further validated in mouse models to understand their implications in the context of a neuroblastoma tumor context. The applicant also employ proteomic approaches to identify and map protease-driven pathways involved in neuroblastoma progression. This integrative approach aims to uncover fundamental mechanistic insight as well as novel therapeutic targets within ALK-driven neuroblastoma.

**Applications should be emailed to:**

**The application should include:**

- Motivation letter
- CV including contact info.
- PhD Diploma