



## SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

### Utlysning

**Project Title:** Delineating and targeting the oncogenic role of FET oncoproteins in sarcoma

**Project duration and dates:** 16 June 2026 to 31 December 2026

**Application deadline:** 5 June 2026

**Amount:** Stipend of 16 000 SEK /month

**Supervisor:** Anders Ståhlberg

#### **Project summary:**

The FET family of fusion oncogenes is the oncogenic driver in around 15 types of sarcoma called FET sarcoma. FET sarcomas are rare, mostly pediatric tumor types that currently lack targeted therapies. The FET oncogenes are in many cases the only mutation present in the tumor cells, indicating that they alone have the capacity to induce tumor development. We have recently discovered that all FET oncoproteins bind to and affect the SWI/SNF chromatin remodeling complex contributing to epigenetic and transcriptional reprogramming and tumor development. The aim of our research is to determine the oncogenic mechanism in FET sarcoma, find new drug targets and evaluate potential therapies in our model systems. Specifically, the aim of this project is to analyze downstream effects of perturbing the disease-driving fusion protein, by for example drug treatment or knockdown in tumor cell lines, focusing on the effect on fusion protein interactions.

#### **Applicant:**

We are looking for a highly motivated person who wants to develop their expertise in tumor biology, cell culture and molecular techniques. The candidate should have a MSc or be close to finish their MSc in a relevant area. Preference will be given to candidates who already have prior experience in cell culture and molecular techniques related to analysis of protein interactions.

#### **Application:**

Applications should be emailed to Anders Ståhlberg: [anders.stahlberg@gu.se](mailto:anders.stahlberg@gu.se) The application should include; Motivation letter, CV including contact info.