



SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

Utlysning

Project Title: Understanding the mode of action of antisense RNA encoded protein MSEP in cancer cells.

Project duration and dates: 02-06-2026 to 09-07-2025

Application deadline: 10-05-2026

Amount: 18,750 SEK/ month

Project Summary:

We have recently identified an antisense RNA that encodes a novel protein called mitotic spindle essential protein (MSEP). Loss of function of MSEP leads to the accumulation of cells with mitotic abnormalities. We aim to determine the localization of MSEP by endogenously tagging it with GFP and FLAG using CRISPR/Cas9-based strategies. Using endogenously tagged MSEP, cell cycle stage-specific localization will be characterized. FLAG-tagged MSEP will be utilized for identifying its interacting protein partners.

Applicant:

The applicant should hold a bachelor's degree in biology and have strong theoretical and technical expertise in cell and molecular biology. The applicant is expected to have knowledge of routine cell and molecular biology techniques.

The applicant will maintain mammalian cells and perform plasmid transfections, Western blotting, and PCR.

Application:

Applications should be sent by email to kanduri.chandrasekhar@gu.se. The application should include a motivation letter, CV, degree certificates, and other relevant documents, including contact information.