



SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

Utlysning

Project Title: Molecular mechanisms of synapse formation and disassembly

Project duration and dates: 4 weeks, 2026-07-06 -- 2026-08-02

Application deadline: 2026-06-08

Amount: 3000 SEK/week

Supervisor: Fredrik Sterky

Project summary:

Synapses constitute the minimal computational units of our brains and imbalances to their normal function(s) likely explains most psychiatric diseases. Synapse formation and balanced turnover continues throughout life but how this is regulated remains almost completely unknown. We have identified a new protein associated with the synapse that we hypothesize may regulate synapse disassembly and turnover. We will study some properties of this protein by expressing different mutants in non-neuronal cells, followed by protein analysis and microscopy.

Applicant:

We invite applications from enthusiastic and motivated students with an interest to learn more about molecular biology and experimental laboratory work. Some prior experience from the relevant techniques will be required.

Application:

Applications should be emailed to Fredrik.sterky@gu.se. The application should include; Motivation letter, CV including contact info.