



SAHLGRENKA AKADEMIN INSTITUTIONEN FÖR BIOMEDICIN

Utlysning

Project Title: Establishing Assays to Study Tumor-Driven Macrophage Polarization

Project duration and dates: 4 weeks 3rd of August – 28th of August

Application deadline: 4th May 2026

Amount: 2.500 SEK/week – total of 10.000 SEK

Project summary: This four-week educational project provides training in experimental methods used to study interactions between tumor-derived factors and the immune system. The focus is on assessing how conditioned media from rectal cancer–derived organoids and matched non-tumor controls affect differentiation of primary human monocytes into M1- or M2-like macrophages. The project uses already collected and cryopreserved supernatants. Under supervision, the student will perform monocyte stimulation experiments and analyze macrophage polarization using established flow-cytometric methods. Organoid-based model systems will be introduced to provide context for the experimental approach. The primary aim of the project is educational, offering hands-on training in relevant laboratory techniques and insight into tumor–immune interactions within a translational cancer research context.

Applicant: The project is suitable for a student who has completed at least three years (180 ECTS) of university studies in pharmacy or a related biomedical program. Prior coursework in immunology and oncology is preferred. Basic laboratory experience and an interest in experimental biomedical research are advantageous.

Application:

Applications should be emailed to ulf.yrlid@gu.se

The application should include: Motivation letter, CV including contact info.