



Project Description – Master Thesis spring 2018

Olink Bioscience is developing a test for rare mutation detection for personalized medicine in cancer care. Would you like to do your master thesis/project in a fast-moving company that works on precision medicine?

When a person is diagnosed with cancer there are now opportunities to do genomic profiling of the patient's tumor by sequencing. Based on the tumor's genomic profile, mutations present in the tumor can help the physicians make decisions about proper treatment and evaluate the prognosis. Material needed for the sequencing is usually taken from the tumor during surgery or by biopsies, providing access to the tumor genotype.

It is known that the cell free DNA found in blood plasma often contains tumor-specific mutations in cancer patients. We at Olink Bioscience are now developing a method for rare mutant detection using liquid biopsies, where we can look in plasma for low levels of the mutations that were found during the genomic profiling and use this to follow the patients' responses to treatment. Using a blood sample and our own patented method, sRCA, we can enumerate tumor specific molecules.

Degree project

The Aim of this degree project is to help in the development and optimization of an improved version of the sRCA method.

The sRCA method, developed in Professor Ulf Landegren's laboratory, is a highly specific process to magnify detection signals from individual molecules. The signals are then detected using flow cytometry.

We are now looking for a student interested in doing his/her master thesis during the spring of 2018. We expect that the successful applicant will be an independent person that are willing to put a lot of effort in the project. The applicant also has experience in how to work in a laboratory environment with good knowledge in pipetting and documenting the work.

Olink Bioscience is a cutting-edge biotechnology company that is developing and commercializing molecular tools for life science research and molecular diagnostics.

If you are independent with good lab skills and interested in pursuing your master project/research project, please contact:

Please email your application to Liza Löf liza.lof@olinkbioscience.com as soon as possible, but no later than February 1st 2018.

Liza Löf, PhD.

Senior Scientist, Project Manager.

Olink Bioscience

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