**Master-degree thesis’s projects in bioinformatics at Karolinska Institutet, Stockholm, Sweden**

**Project description**

The overall aim of the project is to develop and apply bioinformatics methods to cancer genomics using next generation sequencing (NGS) data. We focus on various bioinformatics topics including integrative omics- data analysis for personalized medicine, detection and analysis of non-coding RNAs from NGS data, tumour-heterogeneity characterisation using single-cell and bulk-cell NGS, etc. Proper projects will be selected for candidates based on their background and experiences.

**What we offer**

* A master thesis’s project with the supervision/co-supervison by Dr. Trung Nghia Vu
* 03 - 06 months visiting the Department of Medical Epidemiology and Biostatistics (MEB), Karolinska Institutet in Stockholm, Sweden to work on the project. A stipend to cover both accommodation and living cost is supplied.

**We are looking for 01-02 candidates**

* In the last year of master study and looking for a master thesis in bioinformatics or computer science.
* Programming skills at least one of languages R/Python/C++ are required. Experiences in mathematical/statistical modelling, bioinformatics or data analysis are advantage.
* No biology or bioinformatics background are required, but willing to learn new things.
* Proficiency in English that he/she is able to read and understand research papers, express themselves in speech and writing in English.

**How to apply**

An application includes CV and transcripts in bachelor/master study should be sent via email before **November 30th 2018**. If you are interested in or have any further question, do not hesitate to contact us.

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