UNIVERSITY OF TURKU

BIOTEKNIIKAN KESKUS
BIOTEKNIKCENTRUM
CENTRE FOR BIOTECHNOLOGY

ÅBO AKADEMI UNIVERSITY

Looking for a project for the summer?
Come work with bioinformatics at Turku Centre for Biotechnology!

We offer the possibility to work on a project suitable for a Master's thesis project as part of our multidisciplinary and international team of experts in the Computational Biomedicine group at the Bioinformatics Unit, Turku Centre for Biotechnology.

Possible themes for the project are:

1) RNA-sequencing data analysis, with focus on pre-processing

2) Variant calling and interpretation

3) DNA Methylation analysis

Turku Centre for Biotechnology (www.btk.fi) is a joint department of University of Turku (www.utu.fi) and Åbo Akademi University, providing high-end technologies and expertise to academic and industrial researchers and a stimulating multidisciplinary and international research environment. The Bioinformatics Unit and the Computational Biomedicine Group of Dr. Laura Elo (www.btk.fi/research/research-groups/elo) develops computational data analysis tools and mathematical models for biomedical research, with the eventual goal of improving the diagnosis, prognosis and treatment of complex diseases, such as diabetes, cardiovascular diseases and cancer. A specific focus is on analyzing and interpreting data generated by modern high-throughput biotechnologies, such as deep sequencing and mass-spectrometry proteomics.

Qualifications

Suitable candidate should have general knowledge of bioinformatics, statistics and R, Matlab or other mathematical/statistical software. She/he should have high level of motivation, self-initiative and independency. We appreciate good team work and communication skills in English (both oral and written). The project is for three months, starting from 1.6.2017 (starting date is negotiable).

Application

The deadline for the application is April 13, 2017. Please send your application as one PDF document to mirkka.ruotsalainen@utu.fi. The application should include a motivation letter, CV, contact information for 2-3 referees, and copies of relevant degree certificates. For further information please contact Mirkka Ruotsalainen, mirkka.ruotsalainen@utu.fi or +358 (0)2 333 8313.