BIOTEKNIIKAN KESKUS
BIOTEKNIKCENTRUM
CENTRE FOR
BIOTECHNOLOGY

University of Turku

ÅBO AKADEMI
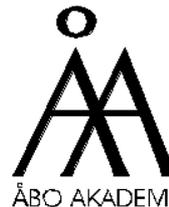
Postdoctoral researcher in Computational Biomedicine at Turku Centre for Biotechnology

A fixed-term position for a postdoctoral researcher is open for applications in the Computational Biomedicine Group of Dr. Laura Elo, Research Director in Bioinformatics, at Turku Centre for Biotechnology, University of Turku, Finland (www.btk.fi/research/research-groups/elo/). The work is part of the European Research Council (ERC) project "From longitudinal proteomics to dynamic individualized diagnostics" directed by Dr. Elo.

Turku Centre for Biotechnology (www.btk.fi/) is a joint department of University of Turku (www.utu.fi/en/) and Åbo Akademi University, providing high-end technologies and expertise to academic and industrial researchers and a stimulating multidisciplinary and international research environment. The Computational Biomedicine Group of Dr. Elo develops computational data analysis tools and mathematical modelling methods for biomedical research, with the eventual goal of improving the diagnosis, prognosis and treatment of complex diseases, such as diabetes, cardiovascular disease 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.

Job description/Project description

The work of the postdoctoral researcher involves development of computational and statistical methods for the analysis of high-dimensional molecular and clinical data on complex diseases. A focus is on longitudinal data and biomarker detection. A particular objective is to robustly characterize molecular signatures and networks at multiple biological levels and use the signatures to predict health and disease states in close collaboration with clinical teams.

The position is for two years with a possibility for extension, depending on the project's progress. The salary is determined in accordance with the University of Turku salary system level 5 for teaching and research personnel. There is a work specific salary component of 2865.30 €/month, and an additional share increase component based on personal performance, which is at most 46.3% of the base salary. The position includes a four-month trial period. The preferred starting date is August 1st, 2016.

Qualifications

We are looking for a highly motivated scientist with a solid background in mathematics and/or statistics familiar with R, Matlab or other mathematical/statistical software, and with ability to work in a multidisciplinary research environment. Strong expertise in either machine learning or statistical modelling is required. Expertise in bioinformatics is a plus. Good communication skills in English, both oral and written, are essential. Independency and self-driven attitude are highly appreciated, but the candidate should be able to work as part of a team as well. The candidate should hold a PhD degree or complete one within next months. Previous experience in supervising students is a benefit.

Application

The position must be applied via University of Turku's electronic application system. A link to the electronic application system can be found at www.utu.fi/careers. The deadline for the applications is June 5th 2016. The application should include a motivation letter, CV, a list of publications, 2-3 recommendation letters, and copies of relevant degree certificates. For further information on the position, please contact Research Coordinator Johanna Mäkelä (johanna.makela(at)utu.fi or +358 2 333 8313). Enquiries on the electronic application procedure may be directed to Coordinator Ulla Karhunen (ulla.karhunen(at)btk.fi or +358 2 333 8042).

Turku Centre for Biotechnology
P.O.Box 123
FIN-20521 Turku, FINLAND

Tel. +358 (0)2 333 8603
Fax +358 (0)2 333 8000
E-mail firstname.lastname@btk.utu.fi
http://www.btk.utu.fi/