



Team leader or senior researcher in Computational Epigenomics

We are looking for a team leader or senior researcher in computational epigenomics to join our multidisciplinary and international team of experts in the Computational Biomedicine group at Turku Bioinformatics Unit, Turku Centre for Biotechnology, University of Turku and Åbo Akademi University. The position is for two years, starting from 1.5.2018. Starting date is negotiable and continuation of the project is possible.

Description of recruiting organization

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. Turku 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 analysing and interpreting data generated by modern high-throughput biotechnologies, such as deep sequencing and mass-spectrometry proteomics.

Description of the position to fill

The work involves processing and analysing high-throughput next-generation sequencing data to answer complex biomedical questions. The specific focus area is epigenomics in close collaboration with the Finnish Functional Genomics Centre. The projects involve development and application of computational and statistical methods for the analysis of high-dimensional molecular and clinical datasets with focus on complex diseases. In addition to method development, the work covers implementation and benchmarking of existing tools and workflows. The candidate will work in a multidisciplinary team with backgrounds in mathematics, statistics, computer science, bioinformatics, biology and medicine, ensuring that there are competent additional personnel to assist in the projects as needed. He/She will also be tightly connected with the national and international collaborators, including a close connection to clinical and experimental teams. The team leader/senior researcher has the opportunity to target the research according to his/her own research interests within the projects running at Turku Bioinformatics Unit and to lead a team within the Unit. The salary is in accordance with the university salary system (for teaching and research personnel) level 5-7 where the work specific salary component is 2865.30-3851.33€/month. In addition, there is a share increase based on personal performance, which is at most 46.3% of the base salary. There is a trial period of four months.

Qualifications

We are looking for highly motivated scientist with expertise in bioinformatics, biostatistics, machine learning and/or epigenomics. We will consider candidates with outstanding potential and established excellence in research, proven by scientific publications in high impact international journals. Particular attention is paid also to success in research funding applications. The candidate should have high level of motivation, self-initiative and independency. The candidate should hold a PhD degree. An optimal candidate has international research experience and experience in supervision of students. Good communication skills in English, both oral and written, are essential. Experience with R, Matlab or other mathematical software is required.

Application

The applications should be submitted at the latest on 15.4.2018 using the electronic system. The application should include a motivation letter, CV, list of publications, contact information for 2-3 referees, and copies of relevant degree certificates. A link to the electronic application system can be found at www.utu.fi/careers. For further information please contact Johanna Mäkelä, bioinformatics-coordinator@utu.fi or +358 (0)29 450 3796.

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