Postdoc in
Bioinformatics / Systems Biology

at the Stockholm Bioinformatics Center (http://www.sbc.su.se/), which is located at Science for Life Laboratory Stockholm (http://www.scilifelab.se/) and has excellent contacts with a number of life science and computer science departments at Stockholm University, KTH, and the Karolinska Institute. The research project will be supervised by Professor Erik Sonnhammer (http://sonnhammer.org/).

The goal of the project is to develop improved computational methods for gene regulatory network reconstruction in human cells, and apply them to high-throughput perturbation-based expression data generated for disease-related pathways. Methods development includes theoretical dissemination, programming, and extensive testing on available and to be constructed benchmark datasets. Network inference will mainly be done by estimating linear systems using perturbation-induced gene expression response data. The project involves planning and coordinating experiments, and may involve small-scale validation experiments on cell lines.

The successful candidate should have a Ph.D. in bioinformatics or related field, and detailed knowledge of molecular biology. Alternatively, a Ph.D. in molecular biology or related field and at least 1 year of practical experience in bioinformatics research. Familiarity with sequence and high throughput data analysis techniques is essential, as well as a high level of motivation. Computer programming (MatLab, R, Perl, Python, C++), UNIX skills, and knowledge of bioinformatics database systems are necessary merits. Please apply by sending your CV, a description of your research interests, and the email address and telephone number of at least one reference before September 15, 2014 as a PDF to Erik.Sonnhammer@scilifelab.se.

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