SciLifeLab

Postdoctoral Research Fellow in computational proteomics at SciLifeLab, Stockholm, Sweden

A postdoctoral position is available in the lab of Lukas Käll at Science for Life Laboratory (SciLifeLab) at the Royal Institute of Technology in Stockholm, Sweden. Our lab develops machine learning methods and statistical techniques for interpreting high-throughput experiments. We are looking for an enthusiastic and talented postdoctoral researcher to join our team. The postdoctoral project may involve machine learning or statistics for the interpretation of shotgun proteomics data and LC-MS experiments. There will be good opportunities to interact with experimental proteomics labs, such as Mattias Uhlén's and Janne Lehtiö's lab at SciLifeLab as well as several external collaborators.

The successful candidate will have a PhD in statistics, computer science, bioinformatics or related field with a strong quantitative background. Experience with machine learning techniques such as Bayesian networks and support vector machines as well as Unix, `C++`, scripting languages (Python, Perl) and other programming languages is required. Experience with handling data from mass spectrometers or other large datasets is desired. Salary is available as a one year scholarship with the possibility of renewal. Review of applications will start on 17th of August 2011 and continue until the position is filled. The starting date is negotiable, however, successful candidates will be encouraged to start as soon as possible. To apply, please send an e-mail to Lukas.Kall@scilifelab.se

Please include the following documents (1) a letter stating your research experience and interests, (2) a *curriculum vitae* including list of publications, and (3) name and contact information for yourself and two or three references.

About Science for Life Laboratory

SciLifeLab is a national resource center dedicated to large scale bioscientific research with focus on biomedicine, including genome and proteome profiling, bioimaging and bioinformatics. SciLifeLab Stockholm has been formed jointly by the three Stockholm universities, Royal Institute of Technology (KTH), Karolinska Institutet (KI) and Stockholm University (SU), and thus combines the profiles and strengths of these three institutions. Academic research as well as the Swedish health care system and the Swedish Life Science industry will benefit through active collaboration, access to advanced tools and active programs for knowledge transfer. The goal is to achieve critical mass for large-scale life sciences and translational medicine.

Our vision is to make SciLifeLab into a center for large-scale life sciences with an advanced technological infrastructure. The focus is on performing multidisciplinary research involving high throughput DNA sequencing, analysis of gene expression, protein profiling, cellular profiling, advanced bioinformatics, biostatistics and systems biology. SciLifeLab is aimed at enabling researchers to carry out extensive and comprehensive analysis of genes, transcripts and proteins in humans and relevant microbes, such as viruses and bacteria, and to cast light on the complex interplay between different molecular components in living cells, tissues and organs related to human diseases.