



## **Ph.D. Student in Computational Biology and Machine Learning at SciLifeLab, Stockholm**

**Job description** The Project is concerned with Machine Learning and probabilistic modeling applied to single cell expression analysis. Methodologically, this project will be focused on advanced methods for computational inference such as Expectation Maximization, Dynamic Bayesian Models, and Deep Convolutional Neural Networks, as well as implementation of such methods on modern high performance computers and clusters. We expect to collaborate with groups developing new experimental methods, particularly single-cell methods, at SciLifeLab as well as with international collaborators. This is a four-year time-limited position that can be extended up to a year with the inclusion of a maximum of 20% departmental duties, usually teaching. In order to be employed, you must apply and be accepted as a doctoral student at KTH. The starting date is open for discussion, though ideally we would like the successful candidate to start as soon as possible.

**Qualifications** A suitable background for this position would be a masters degree of Science in Computer Science, Statistics or any other discipline with large component of quantitative science. Programming skills and language skills are required. Knowledge of biology and computational biology are regarded as advantageous qualifications.

**Contact** Lukas Käll, E-mail: [lukask@kth.se](mailto:lukask@kth.se), Tel: +46 8 790 9852

**Application** Log into KTH's recruitment system in order to apply to this position. Your application shall include the following documents:

1. A cover letter, stating your research interests.
2. Curriculum vitae.
3. Transcripts from University/University College.
4. A link to a piece of source code that you have been involved in developing.

Deadline for application: 2017-05-15