

21 June 2016

Post-Doctoral Research Position in Bioinformatics available in the Emanuelsson lab at SciLifeLab, Stockholm (Sweden)

A post-doctoral position is available at Science for Life Laboratory (SciLifeLab) in Stockholm. This is a unique opportunity to join SciLifeLab, a Swedish national resource center for large-scale biological, biotechnological, and medical research. SciLifeLab is a joint enterprise formed by the Karolinska Institutet, Stockholm University, Uppsala University, and KTH Royal Institute of Technology.

We are looking for an enthusiastic and talented postdoctoral researcher to join the lab of Associate Professor Olof Emanuelsson, affiliated with the School of Biotechnology at the Royal Institute of Technology (KTH) in Stockholm.

Work description: The work will consist of bioinformatics method development for massively parallel sequencing data, with particular focus on RNA-seq, including allele-specific expression (ASE) and transcriptome assembly. The proposed project is a continuation of our recently published work (Edsgård et al, *Sci. Rep.* **6**:21134, 2016), with a number of possible subprojects, *e.g.*, phasing of RNA-seq reads including the use of longer reads, improvement of ASE detection (with and without haploisoform information), and identification of potential regulatory variants associated with ASE of nearby genes.

Requirements: The successful candidate will have a PhD (or equivalent) in computer science, mathematics, physics, bioinformatics, molecular biology or related field with a strong quantitative background. Thorough experience with Unix (or a variant thereof), R, scripting software (*e.g.*, Perl or Python) or other programming languages such as C or Java is required. Experience with handling large data sets, and from bioinformatics method development, is highly desired. The ability to work both independently and collaboratively is highly valued. Excellent command of written and spoken English is a requirement.

Type of position: This is a salaried post-doctoral position for one year with a possible second-year extension. The postdoctoral researcher will be employed by KTH Royal Institute of Technology and the workplace is SciLifeLab Stockholm.

Application instructions: To apply, please send an email to Olof Emanuelsson, olofem@kth.se. Please use the *exact* subject line "Postdoctoral application 2016" and include the following documents (preferably combined into one single pdf):

- (i) a letter stating your research experience and interests
- (ii) a curriculum vitae including list of publications
- (iii) name and contact information for yourself and two or three references

Review of applications will start on 30 August 2016 and continue until the position is filled. The starting date is negotiable, however, the successful candidate will be encouraged to start as soon as possible. We welcome all applicants regardless of ethnicity or gender. For more information, see <https://www.scilifelab.se/researchers/olof-emanuelsson/> or send an email with the *exact* subject line "Postdoctoral application 2016 inquiry".