

## Ph.D. position in evolutionary sequence analysis

I am looking for a Ph.D. candidate to work on evolutionary sequence analysis. Depending on his/her background, the candidate can either participate on the methods development or focus on the application of these methods in research topics of special interest. The candidate should minimally be familiar with Linux/Unix systems and working with the command-line interface but also candidates with a pure computational background are encouraged to apply.

In the past, the group has created the PRANK alignment software (<http://tinyurl.com/prank-msa>) and is now working on its successor, PAGAN (<http://tinyurl.com/pagan-msa>). In addition to phylogenetic sequence alignment and its applications in comparative analyses, we are interested in the use of next-generation sequencing (NGS) data in evolutionary analyses of non-model organisms and in metagenomic analyses. More information of our current research topics can be found on the group's home page at <http://blogs.helsinki.fi/sa-at-bi>. The group's working language is English.

The group is based at the Institute of Biotechnology ([www.biocenter.helsinki.fi/bi/](http://www.biocenter.helsinki.fi/bi/)), an independent research institute within the University of Helsinki. The institute is an international workplace with staff coming from 30 different countries and exceeding 300 in total. In addition to 28 research groups, the institute has seven core facilities, the DNA sequencing lab hosting e.g. 454, Illumina, Solid and (soon) PacBio DNA sequencing devices. The group has access to a supercomputer and high-performance clusters at the national computer centre. Helsinki itself is a lively city with a metropolitan area of 1.2 million inhabitants.

Depending on their background, the Ph.D. students at the institute participate on different graduate schools. In addition to graduate schools in biotechnology and molecular biology, there are ones e.g. in computational sciences and in informational and structural biology.

Applications are accepted from 1 Feb onwards and until the position is filled. Please send your application, together with a full CV, copies of publications or relevant certificates, and the names of two referees to Ari Löytynoja ([ari.loytynoja@helsinki.fi](mailto:ari.loytynoja@helsinki.fi)).

Ari Löytynoja