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## **Position Openings – The Linnaeus Centre for Bioinformatics, Uppsala University Uppsala, Sweden**

### **Two Postdoctoral Positions in Computational Biology**

Two postdoctoral positions are immediately available, funded by Carl Tryggers Stiftelse and the Wallenberg Foundation.

The positions are guaranteed for one year with possible extension of an additional year. I seek independent and motivated individuals to work in the following areas:

#### **1. Correlates of Translational Selection in Prokaryotic Genomes.**

Join an ongoing research project investigating the effects of translational selection for growth and survivorship on prokaryotic genomes. Develop and apply existing bioinformatic tools to completely map tRNA and ribosomal operons in completed bacterial and archaeal genomes, model and predict their promoters and associated regulatory sequences, and undertake statistical and evolutionary comparative analysis of these data.

This project provides the opportunity to collaborate with experimental groups at the Biomedical Center in Uppsala. Applicants should have a Ph.D. in biology, genetics, statistics, computer science, or a related field, programming skills in UNIX and Perl or Java. Some experience with genomics, statistics and/or evolution is highly desirable. Knowledge of the physiology and genetics of translation is a plus.

#### **2. Evolutionary Genetics and Modelling.**

We are interested in developing new evolutionary models for sequences such as noncoding RNAs and systems such as the coevolution of genomes and the translational apparatus. Models of interest range from purely theoretical or simulative treatments of the evolution of the genetic code combining information and computing theory with population genetics, to statistical models of sequence evolution, oriented towards practical tests of selection and function in sequence data.

The practical development of software for evolutionary EST studies and phylogenetics is also of interest. Applicants should have a Ph.D. in evolutionary biology, applied mathematics, bioinformatics, or a related field, and possess relevant skills for the proposed project.

Please submit a CV, a letter describing your research interests and skills, relevant reprints, and contact information for three references. Send all materials by email to **david.ardell@lcb.uu.se** or my mail to:

**David Ardell**  
**Linnaeus Centre for Bioinformatics**  
**Box 598, Biomedical Center**  
**SE- 751 24 Uppsala, Sweden.**

For more information please see <http://www.lcb.uu.se/~dave>  
and feel free to contact me by telephone at +46 (0)18 471 6698.

Det går även jättebra att ta kontakt med mig på svenska.