



UNIVERSITÉ
DE GENÈVE

FACULTÉ DE MÉDECINE



Swiss Institute of
Bioinformatics

PhD in evolutionary genomics (Geneva, Switzerland)

We are looking for a highly motivated and innovative PhD student to explore the evolution and patterns of selection acting on Conserved Non-Coding sequences (CNCs) using computational comparative genomics. It is estimated that about 4-7% of the human genome is under functional selection, yet only 2% encode proteins. This implies that there is a repertoire of functionally important elements at least as large as the repertoire of protein-coding genes, whose functions remain largely unknown. The project will develop our lead findings and will benefit from established collaborations.

The ideal candidate should have a strong background in bioinformatics including programming skills, and experience/background in molecular evolution. A Diploma or MSc degree in Biology or Bioinformatics, practical experience in the Unix environment, and fluency in English are required.

The project will be supervised by Prof. E. Zdobnov at the Department of Genetic Medicine and Development of the University of Geneva Medical School. We are also part of the renowned Swiss Institute of Bioinformatics, and offer a stimulating research environment with excellent facilities.

Closing date for applications: **15 November 2010**.

To apply: send your **full CV**, statement of **research interests**, and names and contact details of at least **two referees** by e-mail to Evgeny.Zdobnov@isb-sib.ch with “phd job” subject.

The international city of Geneva, described as ‘the smallest of the large capitals’, offers a vibrant city life within easy reach of the picturesque lake and stunning Alps.

