

The CMPG lab (<http://cmpg.iee.unibe.ch>) at the University of Berne is opening 2 new PhD and 1 post-doc positions in January 2015.

The postdoc position is available for 1 year to model the pattern of genomic diversity created during range expansions. A computer simulation framework will be developed to 1) detect typical signatures of range expansions at the molecular level and 2) to co-estimate the distribution of fitness effects and the past history of populations from their patterns of genomic diversity. The first PhD position is in evolutionary theory under the main supervision of Dr. Stephan Peischl. It will consist in studying the interactions between ecology, demography and selection at range margins. The second PhD position is in human population genomics, and will be mainly supervised by Prof. Laurent Excoffier. It will consist in improving methods to detect selection at the gene network level and after range expansions in humans. The two PhD positions are available for 3 years. We are looking for highly motivated individuals with a good background in population genomics, statistics, and advanced computational skills, and with strong oral and written communication abilities. The CMPG lab is hosted by the Institute of Ecology and Evolution at the University of Berne, and it offers a very international and stimulating research environment. It is also affiliated to the Swiss Institute of Bioinformatics (SIB) which offers ample potential for interactions. Berne is ideally located in the middle of Switzerland and Europe, and provides rich cultural and outdoor activities. The gross salary of the post-doc candidate would be around 80,000 CHF per year and those of PhD students around 32,000 CHF, per year. All three positions are expected to start in January 2015. For any position, please send an application letter stating your motivation for the position, a CV, and contact information of two references to

laurent.excoffier@iee.unibe.ch

(for Post-Doc and PhD 2 positions) or

stephan.peischl@iee.unibe.ch

(for PhD 1). The positions remain open until filled. See the web page

<http://www.cmpg.iee.unibe.ch/content/jobs>

for a copy of this information and links with more details on these positions. Stephan Peischl
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