

PostDoc position in ecological & evolutionary genomics

Coupling genomics with experiments to study divergence-with-gene-flow in trees

A postdoctoral position is available in the lab of Christian Lexer, Department of Biology, University of Fribourg, Switzerland. We are looking for a highly motivated candidate with a keen interest in evolutionary and speciation genomics and prior experience with / exposure to key methodologies relevant to this field. The post is funded by a 3-year project grant from the Swiss National Science Foundation.

The research project will address key questions related to the ecological & evolutionary genomics of 'divergence-with-gene-flow' in *Populus alba* and *P. tremula*, two wide-spread Eurasian tree species related to *Populus trichocarpa*, the first completely sequenced forest tree. The chosen candidate will take the lead role in laboratory and *in silico* research to address this topic by applying high-throughput 'genotyping-by-sequencing' and whole genome resequencing approaches to natural and experimental populations. He/she will also function as focal point for updates of bioinformatic data analysis pipelines and management of the genomic data. University of Fribourg has recently hired two faculty in bioinformatics and computational biology and is associated with the Swiss Institute of Bioinformatics (SIB), thus considerable local expertise is available to provide initial training where necessary. Participation in fieldwork in Europe and/or Asia is possible, depending on interests. The chosen candidate will participate in the supervision of one PhD student active on the same project, and he/she will interact with collaborating labs in Europe, Asia, and the USA. Prior experience with the use of DNA-based genetic markers to answer evolutionary questions is essential for this project. Prior experience with the analysis of data from (ultra-) high throughput DNA sequencing is particularly desirable.

The starting date is negotiable (from March 2014 onwards). Funding is available for three years. Knowledge of French or German is helpful in every day life, but the working language in the group is English. A doctoral degree in biology or related subject is required. Fribourg is a lively town with pleasant surroundings and an excellent quality of life. It is located ca. 30 minutes from the Alps, close to other cities such as Berne and Lausanne and just a little over an hour from Geneva and Zürich.

To apply, please send an e-mail with the application materials in a single pdf file to Christian Lexer (christian.lexer@unifr.ch). Application materials should include a CV, a list of publications, and a short (less than one page) statement of research interests. Please give names and email addresses of two persons who are willing to write a letter of recommendation. Applications will be screened from 28 November 2013 onwards until the position is filled.

Further information and address for application:

Dr. Christian Lexer, Associate Professor of Evolutionary Biology

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Web: <http://www.unifr.ch/biol/ecology/lexer/index.html>