

## POSTDOC DRIVERS OF GENOME EVOLUTION IN FUNGAL PATHOGENS

The Laboratory of Evolutionary Genetics located at the University of Neuchâtel (Switzerland) invites applications for a postdoctoral position with Prof. Daniel Croll.

The project will focus primarily on intra-specific dynamics of fungal genomes. We will generate and analyze a very extensive set of complete genome assemblies covering the global distribution range of the major wheat pathogen *Zymoseptoria tritici*. The new genome data is embedded with extensive transcriptomics and epigenomics datasets. Even larger re-sequencing datasets and trait variation data is also available. The main questions to address will be to identify proximate and ultimate drivers of genomic variation, how adaptive variation is generated and how genome defences maintain chromosomal integrity. Expanding certain questions to fungal kingdom-wide analyses is a possibility.

Required qualifications: PhD in biology or related fields, strong interest in evolutionary genetics and genome evolution, and experience in bioinformatics. Motivation and enthusiasm for research are key though. Prior experience in population genetics analyses, molecular laboratory work and/or statistical analysis may be a bonus.

We offer a very welcoming and collaborative research environment with many opportunities for open discussions. Collaborations with researchers of diverse backgrounds internationally are also possible. The University of Neuchâtel is centrally located in Switzerland with a wealth of cultural activities, a beautiful lakefront and views of the Swiss Alps.

Application: for 10 August 2022 (or until filled). Review of applications starts immediately.

Starting date/duration: Autumn 2022 (or upon agreement). The initial duration of the postdoc position is one year with the possibility for a two-year extension.

Please send your application as a single PDF to [daniel.croll@unine.ch](mailto:daniel.croll@unine.ch) including: a motivation letter (max 1 page), a CV, 1-3 key preprints or publications and contact details of 2-3 references (e.g. PhD supervisor, no letter is required at this stage).

For more information about us visit our group website <https://pathogen-genomics.org>.