

Postdoctoral position

FUNGAL POPULATION GENOMICS

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

Fungi show extraordinary speeds of adaptation to new environments and hosts. This postdoc project will investigate important plant-pathogen interactions to assess fundamental properties of their evolution. One key focus will be on the invasive water hyacinths plants threatening aquatic ecosystems in Europe and Asia. In an international collaboration, we will obtain a large set of paired samples of water hyacinths and relevant fungal pathogens to understand global co-invasion dynamics. A second focus will be co-domestication processes of major fungal pathogens of wheat and retracing their evolutionary origins. For this, we will analyze newly generated genomic datasets investigating key features linked to their emergence.

Required qualifications: PhD in biology or related fields, strong interest in evolutionary genomics and experience in bioinformatics. Motivation and enthusiasm for research are key. Prior experience in population genomics, mycology, and/or statistical analyses may be a bonus.

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

Application: for 1 September 2025 (or until filled). Review of applications starts immediately.

Starting date/duration: earliest 1 October 2025 (or upon agreement). The initial duration of the postdoc position is one year with the possibility for a 1.5-year extension.

Please send your application as a single PDF to 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> or contact Prof. Daniel Croll.

The University of Neuchâtel is committed to promoting equality of opportunity.