

Postdoctoral position

DEEP LEARNING FOR EVOLUTIONARY GENOMICS

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

This postdoctoral position will have the task to implement deep learning models to advance our understanding of evolutionary processes across different scales. The exact set of projects will have some flexibility but should include the analyses of artificial and natural introgression events into a species' gene pool. Further developments could include the application of DNA language models to the evolution of transposable elements; the emergence of pathogenic lifestyles in fungi and the evolution of genome structure.

Required qualifications: PhD in biology or related fields, strong interest in deep learning approaches and evolutionary genomics. Motivation and enthusiasm for research are key. Prior experience in population genomics and pangenomes may be a bonus.

We offer a very welcoming and collaborative research environment with many opportunities for open discussions. 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 15 July 2025 (or until filled). Review of applications starts immediately.

Starting date/duration: earliest 1 September 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.