



BIOLOGY SECTION
DEPARTMENT OF GENETICS AND EVOLUTION
Anthropology Unit

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A postdoctoral position in computational modelling of paleogenomic data is available at the Laboratory of Anthropology, Genetics and Peopling history (AGP lab) of the University of Geneva (Switzerland). This postdoctoral research will be under the supervision of Dr Mathias Currat (<http://ua.unige.ch/en/personne/mathiascurrat/>) and is part of the Swiss NSF project "Paelegenomic investigation of the evolution of European populations using computational simulations" (<http://p3.snf.ch/Project-182577>). The postdoctoral project will consist in the simulation of **ancient genomic data** under various evolutionary models using an original computational method developed in the lab and the comparison with observed patterns. The primary tasks will consist to adapt the existing modelling framework to the specific questions of the project, to perform analyses and to write papers. The main aim is to investigate the influence of hybridisation with extinct hominids on the evolutionary history of modern humans. We are seeking a highly motivated person with a strong interest in human evolution, population genomics and computer tools. The successful candidate will belong to an interdisciplinary research group, which is part of an international network of research including leading ancient DNA geneticists, population geneticists, archaeologists and physical anthropologists.

Requirements:

PhD degree in biology or equivalent;
Skills in population genetics, biostatistics, bioinformatics and English;
Skills in computational modelling;
Skills in R and Bash scripting;
Collaboration and communication abilities.

Terms of employment:

Duration: 12 months;
Start: the position is available from Autumn 2021.
Salary: SNSF salary scale for a postdoc.

Other conditions:

The postdoctoral researcher will participate in teaching and other activities of the AGP Lab.

About the AGP lab

The AGP lab is part of the Department of Genetics and Evolution at the University of Geneva, Switzerland. It is located in the Science campus in the heart of the city of Geneva. It offers a very stimulating scientific environment with several independent groups of research, international collaborations and excellent computer resources. Both French and English are the working languages in the lab. More details about the research group may be found at <http://ua.unige.ch/en/personne/mathiascurrat/>

How to apply

Applications should be sent as a **single pdf file** by email to Dr Mathias Currat (mathias.currat@unige.ch) by **September 15, 2021**. It should include a cover letter, a detailed CV, a one page research statement. At least two letters of recommendation will be requested from candidates selected for interview. Please include the details of your references in your cover letter.