



Post-doctoral position in applying ecological niche modeling methods to the archaeological record of MIS 11 in Western Europe: Pessac, France

The advertised position is part of the NEANDROOTS project funded by the French National Research Agency (ANR) and will have a duration of 12 months. NEANDROOTS is a multidisciplinary project, directed by Dr. Marie-Hélène Moncel of the CNRS (UMR 7194 Histoire Naturelle de l'Homme Préhistorique), whose overall aim is to understand the cultural, demographic, and ecological processes behind the emergence of the Middle Paleolithic in Western Europe during MIS 11.

Interested candidates can find more information about the project on the ANR webpage (<https://anr.fr/Project-ANR-19-CE27-0011>). Applicants wishing to have more details on the project may also request a copy of the full project description (contact information below).

The researcher will work in the PACEA laboratory (<http://www.pacea.u-bordeaux.fr>) on the campus of the University of Bordeaux, under the scientific supervision of Dr. William Banks. The researcher will be tasked with conducting ecological niche modeling analyses for the archaeological record of MIS 11 (and potentially MIS 12 and 10) in Western Europe. The data used to estimate hominin ecological niches will be derived from analyses of archaeological and pertinent paleoenvironmental data, such that the work will be done in close collaboration with archaeologists and paleoclimatologists. The post-doctoral researcher will be responsible for disseminating the niche modeling results (e.g., writing and submitting articles), all in close collaboration with the project's team members.

Requirements:

- Ph.D. in Ecology, Archaeology or very closely related fields. Candidates who are preparing a doctoral degree are eligible to apply but will be required to have obtained the Ph.D. prior to taking the appointment.
- Demonstrated expertise in ecological theory and current ecological niche (species distribution) modeling methods.
- Previous experience working with paleoclimatic simulation data to produce niche estimations.
- Demonstrated ability to conduct and publish scientific research.
- Demonstrated ability to communicate and publish in English.
- Ability to work in a highly-collaborative and diverse research environment.
- Ability to periodically travel between Bordeaux and Paris, for periods potentially up to a week in duration, in order to collaborate with other project members.

Desired Skills:

- It is highly preferable that applicants be familiar with methods necessary for performing ecological niche modeling for past time periods and for conducting such work with small occurrence datasets.
- The **ability to speak French** will facilitate the candidate's integration into the host and partner laboratories but **is not a requirement**.

Employment contract and salary:

- The researcher will be employed, via a 12 month contract, by the University of Bordeaux.
- The brut salary is 2,596€/month (31,152€/year). This salary corresponds to researchers in the initial phase of their career, with previous post-doctoral experience not exceeding three years.

Applicants should submit to Dr. William Banks (william.banks@cnr.fr):

- 1) A short statement/cover letter describing their research interests, expertise, and the relevance of these to the described position;**
- 2) A curriculum vitae;**
- 3) A list of publications;**
- 4) Contact information (full name and email address) of two potential references**

Application deadline: January 24, 2022.

Preferred starting date: April 1, 2022.