



## Palaeontological Institute and Museum

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Open postdoctoral position

### Shark extinction mechanisms

We are looking for a postdoctoral researcher with a strong background in computer science or computational biology/geology to develop new methods to analyze paleo-biological data. The postdoc will have access to large fossil datasets and will use them to make inferences about evolutionary processes. Their research will focus on implementing new models to assess the role of biotic and abiotic factors on shark extinction rates using Bayesian and/or machine learning algorithms. The details of the projects will be developed together with the postdoc based on their interests and skills.

Required skills:

- PhD in Biology, Earth Sciences or Computer Science
- Excellent ability to communicate and write in English
- Demonstrated ability to program in R or Python
- Experience with Bayesian methods and/or machine learning algorithms
- Knowledge in the fields of macro-evolutionary biology, paleontology, ecology
- Strong publication record

We offer:

The successful candidate will work in a Swiss National Science Foundation (SNSF) supported project in the team of [Dr. Catalina Pimiento](#), in collaboration with [Dr. Daniele Silvestro](#). We have funds to support the postdoc for 2 years, and for travels and research visits abroad. The postdoc will also co-supervise at PhD project and have the possibility to apply to prestigious and generous fellowships from the SNSF to start an independent career after completion of their post.

The postdoc will be hosted in the [Palaeontological Institute and Museum](#) (PIM) at [The University of Zurich](#) (UZH). We offer a stimulating, friendly and interdisciplinary work environment, with excellent working conditions and a very wide international network of collaborators. The UZH is one of the top research institutions in Europe and the city offers the conditions for an excellent quality of life. The PIM further offers state-of-the-art research facilities in an international and stimulating academic environment.

To apply, please send your application as a **single PDF** via e-mail to [catalina.pimientoherandez@uzh.ch](mailto:catalina.pimientoherandez@uzh.ch) including:

1. Short cover letter (max 2 pages) explaining background, motivation and research interests.
2. A CV including any publications, pre-prints, or manuscripts, if applicable.
3. Contact information for 2-3 referees who may be contacted during the evaluation process.

**The deadline to apply is April 1st** (included) but applications will be considered until the position is filled. Candidates will be evaluated by a committee and those shortlisted will be invited for an interview (by Zoom or in person) in the June 2022. The selected candidate is expected to start in August 2022 (negotiable).