

Job advertisement

Postdoctoral position (f/m/d) Metabarcoding and statistical analysis

The Leibniz Institute for the Analysis of Biodiversity Change (LIB), which was created through the merger of the Zoological Research Museum Alexander Koenig (ZFMK), Bonn and the Center for Natural History (CeNak) at the University of Hamburg, is an internationally operating research institute. As a research museum of the Leibniz Association, the LIB contributes to taxonomic and molecular biodiversity research and the conservation of global biodiversity, documents and analyzes evolutionary and ecological biodiversity change and participates in public communication about biodiversity change and its possible causes.

The Conservation Ecology Section of the Center for Biodiversity Monitoring at the Museum Koenig, Leibniz Institute for the Analysis of Biodiversity Change (LIB), is offering a full-time postdoc position for up-scaled DNA metabarcoding and data analysis. The position is part of the interdisciplinary research project “Diversity of Insects in Nature protected Areas” (DINA), which is funded by the BMBF since 2019 until April 2023.

Recent developments in the field of metabarcoding have enabled large-scale applications in biodiversity monitoring and conservation. The DINA work package biodiversity monitoring via metabarcoding of Malaise trap samples aims at assessing the entire species spectrum of flying insects in protected areas that are subject to fragmentation, land use and ecotoxicological exposure.

We are seeking an enthusiastic and productive candidate with demonstrated experiences in up-scaled metabarcoding and biodiversity assessments, as well as in multivariate analysis of complex data sets.

Assessment Criteria:

The ranking of eligible applicants will be based primarily on research expertise and the potential to contribute to the success of the overall project. The candidate is expected to integrate into a interdisciplinary consortium and attend regular project meetings.

Required qualifications:

- PhD in biology, ecology, biodiversity research or a closely related field
- Experience in processing of high-throughput sequencing data
- Experience in metabarcoding lab work, data analysis and visualization
- Excellent knowledge of the software R, including the analysis of large data sets
- Solid knowledge of insect functional and community ecology

- Experience working with geographic information systems is an asset
- Ability to work independently as well as to integrate in a team
- Excellent communication skills in German and English

As the project tackles highly relevant questions around potential drivers of insect decline in Germany, the position offers the successful candidate a unique possibility to sharpen her/ his scientific profile by high-impact publications.

The LIB offers a highly motivating working environment at the Museum Koenig in Bonn. The LIB advocates gender equality is certified according to the audit "Beruf und Family" audit, so women are strongly encouraged to apply. Equally qualified severely disabled applicants will be given preference.

The salary corresponds to a public service position in Germany (TV-L E13), with a classification depending on the candidate's work experience. The contract will start as soon as possible and is limited by the project term.

The application deadline for this position is February 27, 2022.

Please submit your application (letter of motivation, CV, publication record, names of three potential referees) digitally via our applicant portal: <https://leibnizlib.de/karriere>.

In case of questions concerning the position, you may contact Dr. Livia Schäffler (e-mail: l.schaeffler@leibniz-lib.de).

For more information about our institution, please visit: <http://www.leibniz-lib.de>