

**Leibniz Institute for Analysis of Biodiversity Change (LIB) is looking for a
Biodiversity Informatics Scientist (m/f/d)**

in Hamburg.

Leibniz Institute for Analysis of Biodiversity Change (LIB) will be established as an integration of Centre of Natural History of University of Hamburg (CeNak), Hamburg into Zoological Research Museum Alexander Koenig – Leibniz Institute for Animal Biodiversity (ZFMK), Bonn, as such LIB will be a foundation under public law and research museum of Leibniz Association. LIB will contribute to biodiversity research with its extensive collections and in research fields of taxonomy, morphology and molecular science, will contribute to conservation of global biodiversity, to documenting and analyzing evolutionary and ecological biodiversity change and engage in science transfer activities on biodiversity change and its potential causes.

Biodiversity Informatics, within which the position is situated, develops research data infrastructures for LIB. Research data infrastructures primarily comprise all data from the collections and related research. This also includes data from genome research and biodiversity monitoring. Major goal of biodiversity informatics at LIB is the development of new tools, based on semantic web technologies, for the management of research data, e.g. to facilitate AI-based annotation and discovery of the data. The infrastructure makes the data findable, accessible, interoperable, and reusable (FAIR), scales with Big Data.

The main tasks of the biodiversity informatics scientist will be to advance the digitization of the natural history collections, contribute to the further development, expansion and usability of LIB's Digital Collection Catalogue (see e.g. <https://collections.zfmk.de>) in a national and international network of natural history collections, and to train scientists in digitization and management of specimen information. Research activities follow the goals of biodiversity informatics at LIB and promote new ideas for biodiversity informatics on a national and international level.

Your work tasks include

- support in the digitization of collections (data acquisition, data transfers between databases) according to the digitization strategy at LIB (https://doi.org/10.20363/ZFMK-APP.DigitizationStrategy_V_1),
- development and improvement of tools for collection-based research data acquisition, management, and dissemination based on the FAIR principles,
- monitoring of data flows, consistency check of data packages, and troubleshooting,
- training in the use of the databases, consultation of custodians and technical staff,

- development of own, and participation in overarching research projects at LIB.

Required knowledge and experience include

- studies in life sciences or studies in computer science, ideally with work experience,
- programming experience,
- experience with design and implementation of databases,
- knowledge of SQL and a scripting language (e.g. Python),
- cleansing and harmonization of data, e.g. with OpenRefine.

Desired qualifications are

- experience in working with natural history collections,
- practical experience with collection databases, ideally DiversityWorkbench,
- knowledge of data standards relevant to the field of natural history collections (DwC, ABCD, BCO).

The successful candidate will take part in self-administration and outreach activities. Working language is English, German language skills should be acquired on long term.

Leibniz Association is committed to diversity and equal opportunities. LIB is certified as a family-friendly institution. We aim to increase the proportion of women in areas, where women are under-represented and to promote their careers in particular. We therefore strongly encourage women with relevant qualifications to apply.

Applications will be handled in accordance with the Landesgleichstellungsgesetz NRW (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome. Initial salary corresponds to grade TV-L E 13 in the German Public Service Scheme.

We offer a highly motivating environment and ability to work independently. Salary and benefits are according to a public service position in Germany (TV-L E 13). ZFMK advocates gender equality. Women are therefore strongly encouraged to apply. The contract will start as soon as possible, earliest on July 1st 2021 and will initially be restricted to three years. A permanent position will be subject to personal performance reviewed by a commission.

Applications in English, accompanied by supporting documentation (CV, certificates, lists of publications and funding) should be submitted no later than March, 28th 2021 only digitally to Katharina Ostermann: www.leibniz-zfmk.de/en/job-portal

For further information about ZFMK and CeNak please see: <https://www.leibniz-zfmk.de> and <https://www.cenak.uni-hamburg.de>