

Postdoc position, 100% TV-L E13
LMU Munich, Faculty of Biology, Zoology
Starting date: 01 April 2023
End of application: 15 January 2023

Postdoc position (m/f/d) – Morphological diversity of arthropod larvae

We are seeking a highly motivated Postdoc (m/f/d) to take part in the investigation of diversity of arthropod larvae, including extant and fossil representatives. The project is funded by the Volkswagen Foundation.

The project is based on an interdisciplinary approach, in which morphological data of extant and fossil larvae are incorporated into an evolutionary framework. The major data base is provided by morphological investigations of extant and fossil specimens with modern imaging methods. Data are interpreted in a strict phylogenetic framework. We use quantitative methods to compare changes of morphological diversity, especially between different geological time slices.

Focus groups of research are malacostracan crustaceans and insects. Both groups exhibit a large diversity of morphology and developmental patterns and have a rich fossil record. Specimens will be provided via scientific collections, fieldwork is not considered.

The prospective Postdoc should have experience in some of the following fields (and is expected to gain experience in the other fields): identification by DNA-barcoding, approaches to handle Big Data, data-banking, statistics in general, programming in R (or equivalent), geometric morphometrics (documentation, image processing, digital measurements, landmarks, Fourier-analysis), preparation of figure plates (Adobe Photoshop), digital drawings with a vector graphics program. Ideally, the candidate has expertise in an ingroup of malacostracan crustaceans or insects that is not yet represented in the workgroup.

The results of the project are expected to be presented regularly at national and international conferences by the prospective Postdoc as well as published in peer-reviewed journals. The Postdoc is expected to develop project ideas for continuing own research after the end of the funding period. The successful candidate will be based in the work group of Zoomorphology at the campus Martinsried south-west of Munich, in close proximity to Munich. Child care facilities as well as schools are nearby.

The position is limited to a duration of 18 months. Starting date is 01 April 2023.

We offer: Postdoc position for 18 months; salary according to wage agreement (TV-L); interdisciplinary research project and working environment; modern imaging equipment (macro- and microscopic)

We expect: PhD in biology or a closely related field; solid knowledge in general ecology and evolution; very good English communication skills (oral and written); ability to efficiently work in teams; high motivation; keen interest in zoological evolutionary questions

Applications of women are strongly encouraged. Severely challenged persons will be given preference in case of otherwise equal qualifications.

Please send your application to jhaug@bio.lmu.de until January 15, 2023. The application should include CV, letter of motivation, and the names and contact details of potential referees.

Contact for further information:

Prof. Dr. Joachim T. Haug, LMU Munich, Faculty of Biology, Großhaderner Str. 2, 82152 Planegg-Martinsried, Germany, Phone 1: +49-89-2180-74132;

<https://www.en.zoomorphologie.bio.lmu.de/index.html>

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