



Job vacancy

Research Assistant - Zoological Institute and Museum 23/Wi11

University of Greifswald, 26 June 2023 | deadline: 20 July 2023

At the University of Greifswald's **Zoological Institute and Museum**, WG Applied Zoology and Conservation in the Faculty of Mathematics and Natural Sciences, there is a job vacancy **for earliest possible appointment**, subject to budgetary regulations, for a part-time (65 %)

Research Assistant.

The fixed term contract is for a period of **three years**. Payment will be made according to pay group 13 *TV-L Wissenschaft*.

The Chair of Applied Zoology and Conservation investigates basic and applied scientific questions on the biology and conservation of native bat species. Embedded in the new "BatTrend" project, innovative methods for monitoring German bat populations are to be developed with the aim of improving the protection of bat populations.

The project advertised here can build on extensive long-term studies of model populations tagged with transponders (RFID tags) and/or rings. Individualised long-term data allow quantification of demographic patterns across generations and represent the gold standard for population monitoring. During the project period, new field data will be recorded (3-6 months per year) and existing long-term data will be analysed using modern statistical methods. Corresponding long-term data (up to 30 years) on population trends and partly on the animals' reactions to climate change are already available. This data will be used to establish representative long-term monitoring schemes of forest bat species in Germany with the aim of conserving these species in times of man-made environmental change. The statistical analyses will be carried out in Greifswald, the field work at different sites in Germany (especially Unterfranken, in particular around the city of Würzburg) with established, individually marked, bat communities - partly together with other team members.

Work Tasks:

- Data collection in the field
- Preparation of data
- Analysis of data and writing of publications (PhD)

Job requirements:

- Advanced university degree with a successfully completed master's degree (or equivalent) in zoology, evolutionary conservation biology, biomathematics or a related biological discipline.
- Excellent English language skills
- Knowledge of a computer programming language
- Valid driving licence
- Experience in teamwork during fieldwork and knowledge of German are an advantage

We seek a candidate with experience in one or more of the following subjects:

- Good programming skills in R: a lot of the work will involve handling and reorganising

long-term data from various sources, and experience with such processes would be a major asset

- Experience in applied statistics, e.g. bootstrapping, generalised additive mixed models, and population models
- Experience in Bayesian modelling, e.g. JAGS, Nimble, or the willingness to apply Bayesian approaches to population modelling
- Field research on wild bat populations

For questions on statistical and demographic analyses, please contact Dr. Alexander Scheuerlein (alexander.scheuerlein@uni-greifswald.de). Questions on fieldwork as well as on the overall project can be answered by Prof. Dr. Gerald Kerth (gerald.kerth@uni-greifswald.de).

Further information on the team can be found at:

<https://zoologie.uni-greifswald.de/struktur/abteilungen/angewandte-zoologie-und-naturschutz/>

The position is open to all persons, irrespective of gender.

Severely disabled applicants with the same qualifications will be considered with preference.

According to § 68(3) PersVG M-V, the Staff Council will only be involved in staff matters of the academic or artistic staff on request.

Please only submit copies of your application documents as they cannot be returned. Unfortunately, application costs (e.g. travel expenses for interviews) will not be reimbursed by the State of Mecklenburg-Vorpommern.

Please note that by submitting your application, you provide your consent pursuant to data protection law for our processing of your application data. Further information about the legal bases and the use of your data can be found [here](#).

Applications with the following documents (cover letter, curriculum vitae, research activities, certificates and list of publications) should be sent by email (one PDF file - max. 5 MB) with reference to the job advertisement number **23/Wi11** by **20 July 2023** to:

Universität Greifswald
Zoologisches Institut und Museum
Herrn Prof. Dr. Gerald Kerth
Loitzer Str. 26
17489 Greifswald

gerald.kerth@uni-greifswald.de

