

The University of Rostock offers a diverse, varied and challenging position in a tradition-conscious, yet innovative, modern and family-friendly university in a lively city by the sea.

At the Faculty of Mathematics and Natural Sciences, Institute of Biology, Department of Population Genetics, subject to budgetary provisions, we are filling the following position as of 01.10.2025 on a permanent basis:

RESEARCH ASSISTANT (M/F/D)

POPULATION GENOMICS/EVOLUTIONARY GENOMICS

ABOUT THE LAB

The Population Genetics group at the University of Rostock is a newly established chair led by Prof. Dr. Mathilde Cordellier, with a focus on evolutionary research, mainly with invertebrate species. Our work is at the interface of evolution and ecology. Our goal is to understand rapid adaption through hybridization processes by studying the genomes of invertebrate species such as *Daphnia*. Working on these species offer the unique opportunity to look back in time by using resting stages, and planned projects include the genomic analysis of sediment cores. Further, the group is working on genome and sex chromosome evolution in spiders. We make use of a broad range of techniques: life history experiments, transcriptomics, genome sequencing, bioinformatics are all contributing to our understanding of species' evolution.

More info about research topics can be found here: <https://www.populationsgenetik.uni-rostock.de/en/>

YOUR TASKS

We are looking for an enthusiastic researcher who is keen to contribute to the research topics in the group, such as (1) Recombination and Hybridization in a *Daphnia* species complex (2) Population genomics through time with resting egg banks (3) Interspecific variation in gene expression in hybridizing *Daphnia* species (4) Genome and sex chromosome evolution in spiders.

- Research in the field of population genetics and genetics of invertebrates, with topics closely related to the research profile of the chair and with the aim of establishing your own line of research.
- Publication of research results and acquisition of third-party funding.
- Scientific, research-based teaching comprising 8 SWS in the areas of genetics/population genetics in the Bachelor's and Master's programmes as well as in the teacher training programmes.
- Participation in field research, including the supervision of practical field courses.
- Participation in the further development of the Master's programme in Integrative Zoology.
- Supervision of Bachelor's and Master's theses.
- Design, preparation, implementation and correction of student examinations
- Support with scientific and teaching organisational tasks (study organisation, committee work)

THIS MAKES YOU A GOOD FIT

- Completed university degree (state exam, diploma, master's degree or comparable degree) in Biology or comparable discipline

- Completed PhD degree in Biology or comparable discipline at the time the contract starts
- Experience working with high-throughput sequencing data for genomic and/or transcriptomic studies, for example for variant analysis and gene expression profiling (RNAseq/ATACseq/scRNAseq)
- Successful publication of research results in peer reviewed journals is required
- Teaching experience for Bachelor and/or Master degrees in a university setting is required
- Confident knowledge of German and English language, both written and spoken
- 1 - 2 years of relevant professional experience as postdoc is required
- Experience working with non-model species is advantageous
- Experience in applying for third-party funding for research projects is a plus
- Very good ability to work on schedule, communication skills for presenting research results and ability to work in a team and with international partners

WE AS AN EMPLOYER

Equal opportunities are important to us. We welcome applications from suitable severely disabled people or people from traditionally underrepresented groups. We aim to increase the proportion of women in research and teaching and therefore encourage suitably qualified women to apply. We welcome applications from people of other nationalities or with a migration background.

HOW TO APPLY?

Please send your application via the [university application portal](#), as email applications will not be accepted

Application should comprise a cover letter, resume with a publication list and contact information for at least two references, diploma with indication of final grade, summary of previous research experience and exciting projects you want to conduct (max 2 pages) all combined in one single file.

Application deadline is **August 11, 2025**.

Further information about the position can be obtained from mathilde.cordellier@uni-rostock.de