

1 postdoc position (m/w/d) on the evolution of heteroresistance and phenotypic heterogeneity in bacteria at Kiel, Germany

Well-motivated and highly-qualified scientists from all countries are welcome to apply. We are looking forward to your application for a postdoc position to join the **Schulenburg group** at **Kiel University** in Northern Germany.

Application deadline: **27. August 2026**.

The postdoc position is for 5 years. It is based in the Schulenburg group (<https://evoecogen-kiel.de/>). The research is part of the ERC project on CrypticBenefits and aims at understanding how antimicrobial heteroresistance and more generally phenotypic heterogeneity evolves in bacteria. As a model, we will focus on the opportunistic bacterial pathogen *Pseudomonas aeruginosa*. The work combines evolution experiments with whole genome sequence analysis, bacterial genetics, and functional analysis. As a general reference, check out the group's publications on AMR evolution, as listed on our webpage (<https://evoecogen-kiel.de/publications>).

Your profile:

- PhD in the area of Evolutionary Biology
- In-depth knowledge of central concepts of Evolutionary Biology
- Competences and experiences in research on the Evolution of microorganisms
- Competences and experiences in the field of statistics and bioinformatics
- English language skills at level C1

Beneficial:

- Competences and experience in the planning and performance of evolution experiments
- Competences and experience in high-throughput experiments
- Competences and experience in genome analysis
- Competences and experience in genetic manipulation of microorganisms
- Competences and experience in advanced statistics (e.g., multivariate statistics, GLMs) and programming (e.g., python, R)
- Publication(s) from earlier research work

For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de

Please apply via the following link:

<https://www.uni-kiel.de/personal/de/stellen/extern/wiss/wissenschaftliche-mitarbeiter-in-am-zoologischen-institut-ag-schulenburg>

Applications should be submitted as a **single** PDF. Applications should include:

- (1) A letter of motivation (max. 2 pages, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus.
- (2) Curriculum vitae.
- (3) PhD certificate