

The Schulenburg Group at Kiel University, Germany, has the following open positions:

**A PhD position (m/w/d) and a Postdoc position (m/w/d), both on the genomics of host-microbiome interactions**

Well-motivated and highly-qualified students from all countries are welcome to apply. We are looking forward to your application in the beautiful landscape of Northern Germany.

Your profile:

- Master of Science degree (for the PhD position) and PhD (for the postdoc position) in a field related to Genomics, ideally in combination with host-microbiome interactions and/or population genomics
- Experience in analysis of genomic data, ideally using population genetic/genomic approaches.
- Any of following expertise is an advantage: programming (e.g., Python), biostatistical analysis (e.g., with R), or research related to host-microbiome interactions and/or genome analysis of the model nematode *Caenorhabditis elegans*.
- Good oral and written communication skills in English.
- Motivation to learn and research topics in basic science.

The objective of both positions is to understand the genomic basis of host-microbiome interactions and their evolution to new environmental conditions, using the nematode *C. elegans* as a model host system. These *C. elegans*-microbiome interactions are studied with the help of mesocosm and evolution experiments. Material for genomic analyses is already available, and more will be produced in connection to the advertised projects. See related publications: <https://doi.org/10.1038/s41564-023-01468-x> and <https://doi.org/10.1038/s41396-023-01507-9>. The project is part of the research consortium CRC1182 on the Origin and Function of Metaorganisms (<https://www.metaorganism-research.com/>), providing numerous opportunities for exchange with colleagues working on related topics.

The positions are based in the **Schulenburg group** (Kiel University, Northern Germany) for a period of 36 months at the earliest possible date. Research in the Schulenburg group focuses on the evolution of host-microbe interactions and antimicrobial resistance evolution, combining experimental evolution, genomics, and functional genetic analyses. See: <https://evoecogen-kiel.de/>. The working language of the group is English.

Kiel University sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social background, religion, ideology, disability or sexual identity. We promote equality of the sexes. Kiel University is committed to the employment of people with disabilities. Preference will be given to applications from severely handicapped persons and persons of equal standing, provided they are suitable. We expressly welcome applications from people with a migration background.

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

**Applications** should be sent by email to Hinrich Schulenburg ([hschulenburg@zoologie.uni-kiel.de](mailto:hschulenburg@zoologie.uni-kiel.de)) as a **single PDF**. Please use 'Application Genomics – [your name] – [either PhD or Postdoc]' as a subject. Applications should include:

- (1) A letter of motivation (max 1 page, 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, including names and contact details of 1-2 referees.
- (3) Master certificate (or current grades transcript in case of ongoing studies)

Please, refrain from sending us application photos.

**Application deadline: 21.11.2024**