

Job posting ref. #01-21057

For over 200 years the Senckenberg Gesellschaft für Naturforschung represents one of the most relevant institutions investigating nature and its diversity. Currently, scientists from more than 40 countries conduct research in the fields of biodiversity, earth system analysis and climate change in seven Senckenberg Institutes across Germany.

Following its mission to analyse and document biodiversity in earth system dynamics – to serve science and society, Senckenberg fosters curiosity-driven and application-oriented research. In Senckenberg at Frankfurt we seek to fill the position of a

PhD student (m/f/d)

“Genus-level diversity of the deep-sea isopod family Macrostylidae”
(part time 65%)

The Senckenberg Ocean Species Alliance (SOSA) project combines marine biodiversity research, species conservation, and science communication within one project. This interdisciplinary project is composed of three pillars, the Discovery Unit, Red Listing Unit and the Engagement Unit, whose tasks are tightly interlinked. The Discovery Unit will apply a new model for biodiversity work by providing taxonomic services to users inside and outside of Senckenberg. <http://sosa.senckenberg.de>.

The project aims for a better representation of the evolutionary relationships within Macrostylidae in their taxonomic organisation. These shall be further clarified using a synthesis of morphological and molecular approaches to taxonomy. By means of this integrative taxonomy, the PhD student will describe new species of this group from various oceans (incl. Atlantic, Pacific, Southern Ocean). Morphological characters will be added and scored to an already existing database in the computer program DELTA (DEscription Language for TAXonomy) which will serve as a basis for producing description texts, identification keys, diagnoses and character matrices in various output formats.

Your tasks:

- Study morphological and genomic differentiation in selected isopod species complexes from the Northwest Pacific deep sea
- Apply integrative taxonomic approaches, population genomics and molecular phylogenetic
- Publish results in international journals in cooperation with the project team
- Participate in project meetings, outreach activities and contribute to project reporting, as well as presenting project results during international scientific conferences (posters/talks)

Your profile:

- MSc degree (or equivalent) in a relevant field, such as biology, zoology, biosystematics
- Proven experience in integrative alpha taxonomy and working with isopod crustaceans
- Strong microscopy skills and DNA lab experience as well as knowledge of and experience with molecular methods (e.g. DNA barcoding)
- Experience as a science communicator, microscopy and morphological imaging techniques (e.g., SEM, μ CT, cLSM) and image processing methods
- Prior taxonomic knowledge of deep-sea isopods and general knowledge of deep-sea biology
- Willingness to participate in week-long off-shore sampling campaigns

What can you expect?

- An interesting task in a dynamic and interdisciplinary team of researchers in a large-scale international research project
- Affiliation with Goethe University Frankfurt and membership in its graduate academy GRADE
- The possibility to build and extend your professional network with scientists at an international level and to attend national and international conferences
- Flexible working hours - a discounted job ticket - support with childcare or caring for family members (certified by the "audit berufundfamilie") - Senckenberg badge in combination with free admission to many municipal museums - special annual payment - holiday entitlement of 30 days/year- company pension scheme

The Senckenberg Research Institutes support equal opportunity of men and women and therefore strongly invite women to apply. Equally qualified handicapped applicants will be given preference. The place of employment is in Frankfurt, Germany. We guarantee adherence to the law on part-time employment.

Senckenberg is a globally connected institute. The working language within this project is English. Frankfurt is a vibrant, international, culturally diverse city and one of the world's travel hubs. We welcome candidates from all nations and can support with your relocation process.

Location:	Frankfurt am Main
Volume of employment:	65% part-time position (26 weekly working hours)
Type of contract:	Employment shall start as soon as possible after March 2022 and will be limited for a three-year contract

Would you like to apply?

Please submit your documents, **mentioning the reference of this job posting (ref.#01-21057)**, as a single email attachment to recruiting@senckenberg.de until **27 February 2022** or use our online application form on our homepage www.senckenberg.de.

- 1) A cover letter (maximum 1-2 pages) explaining your interest in the project and your relevant prior experience;
- 2) Your detailed CV, including names and contact details of two professional references;
- 3) Copies of your relevant academic certificates and credentials, such as your university degrees.

For more information, please see <http://sosa.senckenberg.de> or contact the SOSA Co-Chairs: Dr. Torben Riehl and Prof. Dr Julia Sigwart (torben.riehl@senckenberg.de, julia.sigwart@senckenberg.de).

