The Leibniz Centre for Tropical Marine Research GmbH (www.leibniz-zmt.de) is an independent research and teaching institute that provides scientific knowledge for the protection and sustainable use of tropical coastal ecosystems. To this end, we work in an inter- and transdisciplinary manner with our partners in the tropics. The ZMT is a member of the Leibniz Association.

The ZMT offers a position for a (subject to release of funds)

**Doctoral candidate in marine fish genomics (gn)**
(Reference: 24-FISHTRANSISTHM)

The Central American Isthmus (CAI) closed about three million years ago, providing the backdrop for one of the most remarkable natural experiments of genomic divergence and adaptation in tropical marine organisms. The rise of the CAI simultaneously separated marine populations that were previously connected and profoundly shaped the physical environments of the two newly isolated oceans. Since then the Tropical Eastern Pacific (TEP) and the Tropical Western Atlantic (TWA) differ across several major environmental axes. These include temperature, pH, dissolved oxygen and productivity, parameters that are now rapidly changing on a global scale. This project aims to exploit this powerful natural experiment to study the intersection between past and contemporary evolutionary processes and the role they play in the resilience and adaptability of marine fishes. It is a collaboration among researchers based in Germany, Panama and the USA.

**Your tasks:**
- Labwork (DNA extractions)
- Data analysis (genomic data, bioinformatics)
- Critical interpretation of the results
- Scientific writing and publication
- Presentation at international scientific conferences
- Contribute to coordinate the project with collaborators

**Requirements:**
- Master of Science with focus on Biology or equivalent research experience
- Fluency in English (spoken and written)

Ideally, a successful candidate (gn) would also demonstrate

- A background in evolutionary biology
- A background in genetics
- Bioinformatic skills and/or interest and ability to learn quickly and independently
- Research experience with fishes and/or the study system (Central American Isthmus)
- Experience with scientific scuba diving

**Further information:**
For questions please contact Prof. Dr. Oscar Puebla, email: oscar.puebla@leibniz-zmt.de
Details of position:
Salary will be paid according to the German TV-L (EG 13). The position is available for part-time (65 % of a full-time position) employment starting December 15, 2023 for 36 months. The successful candidate will work in collaboration with all the project members in Bremen, Kiel, Panama and the USA.

ZMT is an equal opportunity employer. Applicants with a migration background are welcome. Disabled persons with comparable qualification receive preferential status. The ZMT values its diverse workforce and pursues the goal of providing equal opportunity, which incorporates gender neutrality (gn). We will be happy to accept your documents without a photo.

We offer:
- A dynamic, interdisciplinary and international environment
- Interesting, versatile and challenging tasks
- Family-friendly working conditions with certification by the Work and Family Audit
- Diverse health promotion measures

Submission of application:
Please submit your cover letter and a short CV by 30.11.2023 as a single pdf file with the reference number “24- FISHTRANSSTHM” to Ms. Carina Seemann, email: bewerbung@leibniz-zmt.de.

Leibniz Centre for Tropical Marine Research, Fahrenheitstraße 6, D-28359 Bremen.