



ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR-
UND MEERESFORSCHUNG



The Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI) is a member of the Helmholtz Association (HGF) and funded by federal and state government. AWI focuses on polar and marine research in a variety of disciplines such as biology, oceanography, geology, geochemistry and geophysics, thus allowing multidisciplinary approaches to scientific goals.

PostDoc (m/f/d) in Implementation of environmental DNA analyses in marine observatories

Background

The HIFMB/AWI seek for a Postdoc (m/f/d) in the framework of the third-party funded project 'CREATE - Concepts for Reducing the Effects of Anthropogenic pressures and uses on marine Ecosystems and on Biodiversity' and addresses the research mission of the The German Marine Research Alliance on 'Protection and Sustainable Use of Marine Areas'.

With the advertised position, marine observatories will be extended by molecular genetic detection and identification methods for marine fauna in the BMBF-funded project 'CREATE'. The focus is on the standardization of environmental DNA sampling and the establishment and management of an environmental DNA bioarchive. In addition, the Postdoc will perform exemplary species detection analyses for different animal groups in marine protected areas in the North Sea and Baltic Sea and communicate the results within 'CREATE' and DAM projects. The PostDoc (m/f/d) is affiliated with the HIFMB Focus Group Marine Molecular Ecology.

Tasks

- Participation in research cruises, sampling and processing of environmental DNA in the field
- Development of a standardized sampling method for environmental DNA for the detection of marine fauna
- Establishment and maintenance of an environmental DNA bioarchive
- Molecular genetic analyses (metabarcoding)
- Bioinformatic and statistical analysis of sequence data
- Interdisciplinary exchange of research approaches and results
- Participation in project meetings
- Preparation of project reports and publication of results

Requirements

- Completed university studies (Univ.-Diploma, Master) and Phd in environmental/natural sciences, medicine or related discipline
- Experience in molecular genetic analysis (metabarcoding)
- Bioinformatics and statistical expertise
- Very good communication skills
- Very good English language skills; German language skills are an advantage
- Experience with research cruises is advantageous
- Publications in scientific journals

Further Information

For further information, please contact Dr. Silke Laakmann (+4947148312566; silke.laakmann@hifmb.de).

This is a part-time position (19,5h) limited to 3 years. The salary will be paid in accordance with the Collective Agreement for the Public Service of the Federation (Tarifvertrag des öffentlichen Dienstes, TVöD Bund), up to salary level **13**. The place of employment will be **Bremerhaven**.

Postdocs have to register with AWI's postdoc office [PROCEED](#), thereby gaining access to a set of tailor-made career development tools.

The AWI is characterised by

- our scientific success - excellent research
- collaboration and cooperation - intra-institute, national and international, interdisciplinary
- opportunities to develop – on the job, aiming at other positions and beyond AWI
- a culture of reconciling work and family – an audited and well-supported aspect of our operation
- our outstanding research infrastructure – ships, stations, aircraft, laboratories and more
- an international environment – everyday contacts with people from all over the world
- having an influence – fundamental research with social and political relevance
- flat hierarchies – facilitating freedom and responsibility
- exciting science topics, with opportunities also in technology, administration and infrastructure

Equal opportunities are an integral part of our personnel policy. The AWI aims to increase the number of female employees and therefore strongly encourages qualified women to apply.

Disabled applicants will be given preference when equal qualifications are present.

The AWI fosters the compatibility of work and family in various ways and has received a number of awards as a result of this engagement.

We look forward to your application!

Please submit your application by **October 31st 2021**, exclusively online.
Reference number 21/174/D/Bio-b.

[Apply here](#)