
GEOMAR Helmholtz Centre for Ocean Research Kiel is a foundation under public law jointly financed by the Federal Republic of Germany (90%) and the State of Schleswig-Holstein (10%). It is one of the internationally leading institutions in the field of marine research.

Through our research and our commitment to the transfer of knowledge and technology, we contribute significantly to the preservation of the function and protection of the ocean for future generations.

The group of the ERC CoG project “HighBorG” of the research unit Paleo Oceanography of Research division 1: Ocean Circulation and Climate Dynamics is offering a

Technical assistant position (m/f/d)

Inorganic elemental and isotopic geochemical analyses, clean lab techniques, marine carbonates preparation for analyses, chemical purification methods, data management and archiving

starting in October 2024 (starting date negotiable).

Job Description:

The ERC CoG HighBorG focuses on climate-carbon dynamic reconstructions of past warm periods in our Geologic record within the Paleogene and Neogene, and exproation of Earth system response through Earth System modelling. As such, a strongly interdisciplinary group will aim at millennial scale reconstructions of seawater pH and atmospheric CO₂ (through the boron isotope proxy), seawater temperature and ice sheet dynamics, as well as aspects of the marine carbon cycle. To achieve this, both established methods and new analytical techniques will be developed. The successful candidate for either a Technical Assistance or Engineer in the direction of chemistry involves development of new analytical methods for isotope geochemistry, streamlining techniques for isotope analyses, with potential additional work on foraminifera taxonomy and robotics in collaboration with colleagues in Europe. Responsibilities also include clean lab analytical chemistry (inorganic), processing of sediment cores and preparing and analyzing marine carbonates (corals and foraminifera) for isotopes and trace elements using the state of the art analytical laboratories at GEOMAR, maintaining clean lab supplies and space, and organizing and data archiving work.

Qualification:

Essential:

- Technical assistant with state recognition or comparable qualification (including for example a relevant Bachelor’s degree)
- previous experience in a chemistry lab
- eagerness to obtain expertise in operating mass spectrometers (sector field and multicollector)
- expertise in data processing, data quality evaluation
- excellent written and spoken English

Desirable:

- ability to trouble shoot and operate operate mass spectrometers, especially sector field and multicollector
- knowledge of statistical tools for data processing, and previous experience in data management
- experience in developing analytical methods

- creative and critical thinking skills, decision making and problem solving skills, motivation and curiosity
- able to work in a multidisciplinary research group, flexible in prioritising tasks
- planning and organising skills, being able to meet deadlines
- ability to program in Python, R, Matlab, or other

What we offer:

The Paleo Oceanography Research Unit offers a dynamic, international and innovative research environment with excellent infrastructure and a strongly collaborative working culture. Our research unit has state-of-the-art analytical-chemical laboratory equipment, and a network of German and international collaborations. GEOMAR offers support with childcare (holiday programmes) and a discounted subscription to local public transport. We offer among other things the possibility of individual working time arrangements and support services for professional and personal life situations. GEOMAR is an exciting work environment with the opportunity to provide important impetus for the development of sustainable solutions. Working at GEOMAR, and especially in the field of marine and climate research contributes to forward-looking solutions with social significance. Typically GEOMAR offers 30 vacation days plus additional time off at Christmas Eve and New Year's, a company pension plan and capital-forming benefits.

The position is available for a funding period of minimum 4 years. The salary depends on the qualification of the candidate and could be up to class 9b TVöD Bund of the German tariff for public employees. This is a full-time position, the position can not be split. Flexible working time models are generally possible. The fixed-term contract shall comply with § 14 Teilzeit- und Befristungsgesetz (TzBfG).

GEOMAR Helmholtz Centre for Ocean Research Kiel seeks to increase the proportion of female scientists and explicitly encourages qualified female academics to apply. GEOMAR is an equal opportunity employer and encourages scientists with disabilities to apply. Qualified disabled applicants will receive preference in the application process.

Please send your application for this post **not later than August 15th, 2024** under the following link:

[Online application](#)

As soon as the selection procedure has finished, all your application data will be removed according to data protection regulation.

For further information regarding the position and research unit please contact Eleni Anagnostou (eanagnostou@geomar.de).

However, we will answer all your questions if you send us an e-mail to bewerbung@geomar.de. In doing so, please refer to the keyword "TA HighBorG".

For further information on GEOMAR Helmholtz Centre for Ocean Research Kiel or the Helmholtz Association, please visit www.geomar.de or www.helmholtz.de.

GEOMAR is committed to an objective and non-discriminatory personnel selection. Our job advertisements address all people. We expressly renounce the submission of application photos.



The TOTAL E-QUALITY award is presented to GEOMAR for efforts in terms of human resource management aimed at providing equal opportunity.