The MARUM - Center for Marine Environmental Sciences at the University of Bremen is offering - subject to approval by the funding agency - a position for one

**Postdoctoral Researcher (f/m/d) for 2 years**
German federal salary scale 13 TV-L (100 %)

**Evaluating the Potential of Equatorial Pacific Shatsky Rise Sedimentary Deposits for Extending High-Resolution Paleoceanographic Reconstructions from the Maastrichtian into the Campanian (72 to 84 Ma)**

The position is to commence at the earliest possible date with a duration of two years.

We are currently searching a highly motivated and excellently qualified postdoctoral scientist with a recent PhD degree and research experience in marine geochemistry and stratigraphy working with scientific ocean drilling data for a project entitled "In2Cretaceous – evaluating the potential of equatorial Pacific Shatsky Rise sedimentary deposits for extending high resolution paleoceanographic reconstructions from the Maastrichtian into the Campanian (72 to 84 Ma)". The project will be conducted within the Priority Programme SPP527 "International Ocean Discovery Program" (IODP) framework of the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation).

The Postdoctoral Researcher (f/m/d) will conduct X-ray fluorescence core scanning and bulk carbonate stable carbon and oxygen isotope analysis as well as compile existing records to establish a global geochronological reference for the Campanian Stage to guide future paleoceanographic research. The Postdoctoral Researcher (f/m/d) will also contribute to the development of international scientific drilling expedition proposals in the equatorial Pacific region to recover Late Cretaceous to Paleogene sediments within workshop frameworks.

**Your profile**
- Scientific university degree (master/university diploma) and a doctorate (Ph.D./Dr. rer. nat.) in paleoclimatology, paleoclimate data analysis, stratigraphy.
- Good organisational and communication skills
- Proficient spoken and written academic English
- Experience in XRF core scanning data acquisition and processing
- Experience in carbonate stable carbon and oxygen isotope analysis
- Experience in time series analysis and astronomical age model construction
- Experience in handling of scientific ocean drilling data sets
- Interest in Late Cretaceous and Paleogene stratigraphy
- Basic knowledge in interpreting seismic profiles to identify drilling locations
- Interest in organising scientific workshops and meetings
- Skills/interest in working with larger datasets/databases
- Skills in data analysis platforms and scientific programming (e.g., Matlab, R, Python, IGOR Pro)
- Ability to work both independently and as part of a diverse/heterogeneous team
- Ability to travel to and work in the USA for 3 weeks or more

MARUM (www.marum.de) has developed into an internationally recognised centre for marine research with a focus on the geosciences, anchored at the University of Bremen. MARUM aims to support its postdoctoral researchers in their professional development and personal growth to advance their independent research, as well as their professional and academic career (https://www.marum.de/en/education-career/postdocs.html).
The university is family-friendly, diverse and sees itself as an international university. We therefore welcome all applicants regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation and identity.

The University of Bremen strives to increase the number of women in the academy and strongly encourages applications from female candidates.

Disabled persons with the same professional and personal qualifications will be given preference.

Applications should include a letter of motivation (outlining your interest in the position and how the selection criteria listed under “Your profile” are met), CV, copies of scientific degree certificates with grades, publication list, synopsis of doctoral dissertation (one page), and contact details for 2-3 referees.

Applications should be submitted with the reference number A182/23 by 16 October 2023 to

MARUM – Center for Marine Environmental Sciences
University of Bremen
Dr. Thomas Westerhold
Leobener Strasse 82
28359 Bremen, Germany

or electronically as ONE (!) PDF file to twesterhold@marum.de

Enquiries can also be directed to the above mentioned e-mail address.