The **UNIVERSITY OF BREMEN** through the MARUM – Center for Marine Environmental Sciences - at its Cluster of Excellence “The Ocean Floor – Earth’s Uncharted Interface“ is offering - under the condition of job release -

**1 PhD position (f/m/d) (Research Assistant)**
for 3 years, starting as soon as possible
Salary group 13 TV-L (66.66 %)

The employment is regulated by the Act of Academic Fixed-Term Contract, §2 (1) (Wissenschaftszeitvertragsgesetz – WissZeitVG). Therefore, candidates may only be considered for appointment if they still have the respective qualification periods available in accordance with § 2 (1) WissZeitVG.

Developed into an internationally recognized center for marine research, MARUM offers rich opportunities for interdisciplinary exchange and collaboration across different disciplines in marine sciences. In addition to the own project activities, MARUM also offers the use of a diverse training and qualification program.

**Job description**

The Cluster of Excellence “The Ocean Floor – Earth’s Uncharted Interface” is financed by the Deutsche Forschungsgemeinschaft (DFG). It is divided into different research areas, all of which are interested to quantify exchange processes at the significant boundary layer **Ocean Floor** and their roles in the Earth system. For more information about the Cluster of Excellence, visit [https://www.marum.de/en/The-Ocean-Floor.html](https://www.marum.de/en/The-Ocean-Floor.html).

One of these research areas is REACTOR, where investigations focus on geological, physical, chemical and biological factors that determine the habitable zone of the seafloor, as well as the interactions between subsurface microbial life and global elemental cycles. Of particular interest and relevance to the advertised position is the role of iron in organic carbon cycling and microbial activity in the seafloor. In order to significantly extend the current state of knowledge in this field, the conception and execution of laboratory experiments is as much an approach as the transfer of the new results and findings into the modelling of the respective processes and their balancing on a regional to global scale. Based in the Sediment Geochemistry group, the position holder is part of a team with strong expertise in inorganic and organic geochemistry, as well as microbiology.

**Required experience, skills and characteristics**

- MSc degree in natural sciences (at best geochemistry or microbiology) obtained within the last year
- Sound knowledge of (bio)geochemical processes in aquatic systems
- Experience with geochemical lab experiments and chemical laboratory analyses
- Proficiency in English
- Strong interest in environmental research
- Excellent teamwork and communication in a cross-cultural environment
- Ability to work independently with flexibility, critical thinking, and a willingness to learn new skills!
• Interest in participating in seagoing expeditions and in collaborating with international partners of the Cluster

**General Information**

The University of Bremen follows a diversity strategy. It strives to increase the number of women in research and strongly encourages applications from suitably qualified female candidates. The University of Bremen is certified as a family-friendly university that fosters family-friendly conditions for studying and conducting research, including part-time work. The University offers flexible working hours, childcare facilities, individual training opportunities, and participation in language courses. Applications from international scientists and from academics with a migration background are explicitly welcome. Disabled persons with the same professional and personal qualifications will be given preference.

We look forward to receiving your application with the standard attachments (curriculum vitae, certificates) as well as:
• Motivation letter (up to 2 pages) describing your interests, goals, and how they relate to this project
• Names and contact details of three references

Please send your application under the **reference number A210/22 by 26 Aug 2022** to

Universität Bremen  
MARUM – Zentrum für Marine Umweltwissenschaften  
Dr. Matthias Zabel  
Leobener Straße 8  
28359 Bremen

or by email in a single pdf file to

mzabel@marum.de

Inquiries can be addressed to the same address.