**Post-Doctoral Researcher (f/m/d)**

The MARUM - Centre for Marine Environmental Sciences at the University of Bremen, is offering (under the condition of job release)

**One post-doctoral Researcher (f/m/d) for 2 years**

**Salary group 13 TV-L / full-time position**

MARUM provides an ideal environment for postdoctoral researchers to become excellent in their field of expertise and to develop their personal skills to further their career. The Research Faculty offers plenty of opportunities for transdisciplinary exchange and collaboration across different disciplines in marine sciences. Postdoctoral researchers can make use of coaching and mentoring offers as well as a dedicated course and training programme.

As part of a two-year DFG funded project, we are looking for a post-doctoral collaborative researcher working on the development and application of multiply-substituted isotopologue $^{13}$C$^{18}$O$^{16}$O (“clumped”) isotope thermometry and $\delta^{18}$O seawater composition of key climate events during the Oligocene.

The work will be conducted in the Research Faculty MARUM within the working group “Palaeoceanography”. The specific working hypotheses to be tested consist of: Clumped isotope data, derived from benthic and thermocline foraminifera, show a temperature change across the Eocene-Oligocene transition at high latitudes. Clumped isotope data can refine the relative temperature change across this transition and similar climate change events at several sites compared to other temperature proxies (such as $\delta^{18}$O and Mg/Ca ratios).

Specific duties will include:

1. Conduct a research programme to apply clumped measurements on palaeoceanographic sediment samples from the Paleogene.
2. Measurements of paleotemperatures from established and new temperature proxies (Mg/Ca, stable and clumped isotope systems).
3. Presentation of the results at international conferences and publication in peer-reviewed journals
4. Writing of project reports

Your profile:

- A completed doctoral degree in Earth/Geosciences or similar
- Demonstrated knowledge in paleoclimatology, palaeoceanography and/or marine biogeochemical cycles
- Experience in palaeoceanographic laboratory and measurement techniques, particularly related to (I)ODP related samples
- Experience and knowledge in conducting, interpreting, and providing quality control for clumped measurements (Thermo 253+, Kiel Device)
• Excellent English language skills
• Joy in working in an international and interdisciplinary team

The earliest starting date is July 1st, 2020. The position remains vacant until filled.

MARUM has developed into an internationally recognised centre for marine research with a focus on the geosciences, anchored at the University of Bremen.

The University of Bremen follows a diversity strategy. It strives to increase the number of women in the academy and strongly encourages applications from suitably qualified female candidates. International applications and applications of 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 either in German or in English with the usual documents until May 17th, 2020. Please send your application under the reference number A80/20 to:

Universität Bremen
MARUM
Prof. Dr. Heiko Pälike
Leobener Str. 8
D-28359 Bremen

or by Email to: hpaelike@marum.de