Post-Doctoral Researcher

The MARUM - Centre for Marine Environmental Sciences at the University of Bremen, is offering

One post-doctoral Researcher (f/m/d) for 24 months

Salary group 13 TV-L / full-time position

MARUM is an internationally recognised centre for marine research with a focus on the geosciences, anchored at the University of Bremen. 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. Postdoctoral researchers can make use of coaching and mentoring offers as well as a dedicated course and training programme.

Within the terrestrially-focused project ‘Holocene Hydroclimate and Carbon Cycle Dynamics in the Central Congo Basin (ORACLE)’ funded by the Deutsche Forschungsgemeinschaft (DFG) in conjunction with the Agence Nationale de la Recherche (ANR) the work for the position lies in the general areas of compound-specific stable isotope and radiocarbon analyses to unravel hydrologic variations in the Central African peatlands and their consequences for carbon sequestration and emission. The position will be part of a larger cooperation with French (CEREGE Aix-en-Provence, Univ. de Lyon, PALOC Paris), German (University of Cologne), and Congolese colleagues (Univ. Brazzaville) working on geochemistry, palaeo-ecology, hydrology and archaeology. A sampling expedition was planned to the Republic of Congo but currently is delayed due to travel restrictions. It is planned to conduct the expedition at a later stage, if possible. Material (cores, suspension load and riverbed samples) is available from prior expeditions and initial data exist. Specific goals for this position include:

1. Establish the regional history of the tropical peatlands in the Cuvette Centrale from the context of diverse data
2. Identify climatic and environmental factors leading to erosion and/or emission of pre-aged carbon in the present and past
3. Publications in high-ranked scientific journals and presentations at international conferences

Your profile:

- A PhD in a field of Organic Geochemistry or Biogeochemistry
- Knowledge of paleo-climatology, prior experience from working in peatlands is an advantage
- Skills in preparative gas-chromatography, compound-specific stable isotope and radiocarbon analyses
- Willingness to participate in fieldwork in remote areas under challenging conditions, prior experience with fieldwork methods
- Proficiency in English, proven writing skills, speaking French is an advantage
Communicating with project partners, organisation of lab work and workshops

The University of Bremen follows a diversity strategy. It strives to increase the number of women in science 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 containing your CV, statement of research interests and copies of relevant documents until August 31, 2020. Further information regarding the position can be obtained from Dr. Enno Schefuß (eschefuss@marum.de). The earliest starting date is January 1st, 2021. The position will remain open until filled. Send your application under the reference number A174/20 to:

Universität Bremen
MARUM
Dr. Enno Schefuß
Postfach 33 04 40
D-28334 Bremen

or as a single pdf by email to: eschefuss@marum.de