MARUM – Center for Marine Environmental Sciences at the University of Bremen is offering a position for one

Doctoral Researcher (f/m/d)
(75 %, 13 TV-L)
limited for 3 years

in the area of isotope geochemistry

The time limit is set in accordance with § 2 para. 1 WissZeitVG (Wissenschaftszeitvertragsgesetz). Accordingly, only applicants who still have qualification periods to the corresponding extent according to § 2 para. 1 WissZeitVG can be considered.

Job description

We seek an enthusiastic and dynamic doctoral researcher with a strong interest in analytical chemistry. You will be part of the Isotope Geochemistry group at the MARUM – Center for Marine Environmental Sciences and Faculty of Geosciences, University of Bremen.

The position is funded by the German Science Foundation (DFG) within the priority program "Dynamics of Ore Metals Enrichment – DOME" (SPP 2238) and you will be part of a network of Early Career Researchers. The offered position is for the project "The role of p-T conditions, host rock lithology, phase separation, and organic compounds on metal mobility and metal sulfide deposition in spatially resolved hydrothermal vent areas", a joined project with the Marine Trace Metal Geochemistry group at Constructor University, Bremen.

You will focus on isotope analyses (B, Li, Sr) of hydrothermal vent fluids and mineral precipitates to investigate the control of individual parameters on mobilization, transport and precipitation of (chalcophile) metals in seafloor hydrothermal vent systems. The project also includes thermodynamic computation to assess fluid-solid interactions and the application of geochemical reaction path modelling to simulate massive sulfide deposition and zone refining.

Requirement

- Completed MSc or equivalent in geosciences
- Background knowledge in geochemistry
- Willingness/ability to extended work in sample preparation and chemistry laboratory
- Operational experience in multicollector mass spectrometry and/or clean laboratory techniques will be of advantage
- Basic knowledge in petrology and mineralogy
- Applicants should have good English language skills, both oral and written, and enjoy working in an international and interdisciplinary team

General hints

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

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 suitably qualified female candidates.

Disabled applicants will be given priority if their professional and personal qualifications are essentially the same.

Applications should include a curriculum vitae with copies of references, a publication list if applicable, and contact information for two references.

Please send your application, quoting **reference number A210/23**, by 26.11.2023 to:

Prof. Dr. Simone Kasemann
MARUM, University of Bremen
Leobener Street
28359 Bremen

or as a PDF file by unencrypted electronic mail to: skasemann@marum.de.

We kindly ask you to submit only copies (no portfolios) of your application documents, as we cannot return them. They will be destroyed after the selection process has been completed.

For inquiries, please also use the above email address.