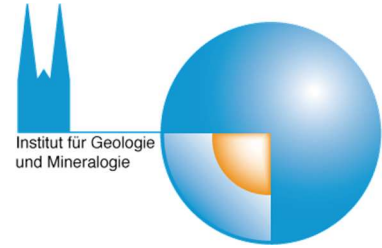




UNIVERSITY
OF COLOGNE



PhD / Post-Doc position on marine stable isotope geochemistry at the Institute of Geology and Mineralogy, Environmental Isotope Geochemistry

Project title: Southern Ocean Iron Fertilization near Islands: Fe-Isotope Exchange between Reactive Particles and Seawater

Supervisor: Prof. Michael Staubwasser

The environmental isotope geochemistry group of Prof. Michael Staubwasser invites applications for a PhD or Post-Doc position funded by the German DFG. The project's objective is to identify sources and processes of natural Southern Ocean Fe-fertilization on existing sample collections from off-shore sub-antarctic ocean islands by stable Fe-isotope analysis of both dissolved and particulate Fe. The project includes significant experimental work on leaching reactive particulate Fe-phases for analysis, clean-room sample preparation, MC-ICP mass-spectrometry analysis of samples, and publication of results. If filled as a PhD position, the project should be concluded with a doctoral thesis.

Your profile:

- MSc in geosciences or marine chemistry, preferentially with a focus on isotopic studies;
- Experience with geochemical analysis and lab-work – clean-room sample preparation and/or mass spectrometry expertise are particularly welcome;
- Interest in conducting lab experiments;
- Sound knowledge of the principles of stable isotope fractionation;
- Readiness to conduct maritime field work should the option arise;
- Advanced skills with the English language;

The position is available from 01. Oct. 2024 – pending clearance of administrative requirements – or later this year as agreed. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L (75% for PhD, limited to three years; 100% for Post-Doc, limited to two years) of the pay scale for the German public sector.

The University of Cologne promotes equal opportunities and diversity in its employment relations. Women are strongly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW).

Please apply by email to Prof. Michael Staubwasser – m.staubwasser@uni-koeln.de – with proof of qualification. Your application should include a cover letter outlining your research motivation and your expertise, CV, copies of certificates, and letter(s) of reference or contact details of potential referees.

Please direct any questions to the same address.

The application deadline is **31.Aug.2024**.