

PhD position (75%) Tracking sulfur cycling in subduction zones

Identification / Kennung: Prädoc SCHW 1889/4-1

Project description:

The advertised position is offered as a research assistant (Praedoc) in the Mineralogy-Petrology group at the Institute of Geological Sciences at the Freie Universität Berlin. The position is part of a project funded by the German Research Foundation, which aims to gain new knowledge about the sulfur cycle in subduction zones. A new indicator for the mobilization and transport of sulfur in subduction zones is to be developed by combining petrological observations with high-resolution chemical and stable isotope analyses, as well as bulk rock analyses using wet-chemical methods. The chemical and petrological investigations will also be supported by thermodynamic modeling. Some samples are taken within field campaigns. The project is embedded in a cooperation with the GFZ Potsdam and various international collaborations.

In the context of this third-party funded research project, the opportunity for a doctorate is granted.

Salary and duration:

Employment as research assistant for three years (duration of the project) at 75% within TV-L FU E13

Eligibility:

The candidate must hold a M.Sc. in Earth Sciences, geology, mineralogy or with exceptions in chemistry.

The applicant should have a very good knowledge of petrology, mineralogy and geochemistry. Analytical experience with electron beam microanalysis (EPMA and/or SEM), as well as experience with mass spectrometric techniques is desirable.

Very good English language skills are also required.

Applications:

Applications can be submitted in German or English and should include: a cover letter explaining the motivation of the applicant, a curriculum vitae, copies of the final certificates and transcripts, and names of at least two references.

Applications should be sent by e-mail to Prof. Dr. Esther Schwarzenbach: esther.schwarzenbach@fu-berlin.de, including detailed documents and the identification (Kennung) in PDF format (preferably as one document). Due to the current emergency operation of the Freie Universität Berlin we ask you to apply electronically by email. The processing of a postal application can currently not be guaranteed.

Further information can be found at:

https://www.fu-berlin.de/universitaet/beruf-karriere/jobs/wiss/24_fb-geowissenschaften/GW-Praedoc-SCHW-1889_4-1.html

By submitting an online application, you as the applicant give your consent that your data will be processed and stored electronically. We would like to point out that if your application is sent unprotected electronically, the Freie Universität Berlin cannot guarantee the security of personal data transmitted.