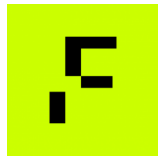


Freie Universität Berlin - Fachbereich Geowissenschaften - Institut für Geologische Wissenschaften Hydrogeologie



The position is located in the Hydrogeology group at the Institute of Geological Sciences (Prof. Dr. Nadine Goeppert) at FU Berlin. Our research focuses on groundwater quality and pollutant fate, transport of dissolved and particulate substances, groundwater ecology and microbial dynamics as well as quantitative hydrogeology.

Research assistant (praedoc) (f/m/d)

with 75% part-time job limited to 3 years salary grade (Entgeltgruppe) 13 TV-L FU
reference code: Hydro DFG RISE

City: Berlin; Starting date (earliest): At the earliest possible; Duration: befristet auf 3 Jahre; Remuneration: Entgeltgruppe 13 TV-L FU; Reference number: Hydro DFG RISE 1; Closing date: 03/08/26

Tasks

As part of our DFG-funded RISE project (Resilient Innovation for Sustainable Karst Water Management under Environmental Stress), you will conduct research on methods for developing early-warning systems for groundwater contamination in karst regions. The main goal is to achieve a better understanding of the transport processes governing the spatial and temporal dynamics of fecal bacteria and proxies for microbial contamination in karst aquifer systems, as a basis for the better management and protection of these valuable but vulnerable freshwater resources.

Focus will be on the application of in-situ flow cytometry which allows fast analyses of the total and intact cell count, to distinguish between viable and dead cells and cells with a low and high nucleic acid content. Proxies for microbial contamination are selected hydrochemical parameters and the particle size distribution.

The third-party funded research project provides the possibility of pursuing a doctorate.

Requirements

Requirements:

Completed University degree (MSc) in the field of hydrogeology or equivalent (e.g. geoecology, engineering biology, environmental sciences, water sciences).

Desirable:

- good background in hydrogeology with experiences in geological field work, hydrochemical and microbiological analytics
- good analytical and problem-solving skills, good communications skills and the ability to work independently as part of a team
- ability to collaborate with partners from other institutions and to do hydrogeological field work in other countries

- very good written and spoken English (B2/C1)
- valid driver's license with acceptable driving history

Application

For further information, please contact Prof. Dr. Nadine Goeppert (nadine.goeppert@fu-berlin.de / 030 838 61843).

Applications should be sent by e-mail, together with significant documents (letter of motivation, CV with degree certificates, at least 2 references), indicating the reference code, no later than August 3rd, 2026 in PDF format (preferably as one document) to Prof. Dr. Nadine Goeppert: nadine.goeppert@fu-berlin.de or postal to

Freie Universität Berlin
Fachbereich Geowissenschaften
Institut für Geologische Wissenschaften
Hydrogeologie
Prof. Dr. Nadine Goeppert
Malteserstr. 74-100
Haus B, 12249 Berlin (Lankwitz)

With an electronic application, you acknowledge that FU Berlin saves and processes your data. FU Berlin cannot guarantee the security of your personal data if you send your application over an unencrypted connection.

Freie Universität Berlin is an equal opportunity employer.

More information at <https://stellenticket.de/205732/BUA/>
Offer visible until 03/08/26

