

## Über die Freie Universität

### Fachbereich Geowissenschaften - Institut für Geologische Wissenschaften Hydrogeologie

Research assistant (praedoc) (m/f/d) Hydrogeology with 75%part-time job  
limited up to 4 years salary grade (Entgeltgruppe) 13 TV-L FU reference code:  
Hydro FC 2025

Bewerbungsende: 26.05.2025

The doctoral 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.

#### Job description:

Your activities include research on methods for developing early-warning systems for groundwater contamination in karst areas. 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 possibility of pursuing a doctorate is given. In addition to your research work, you will also contribute to teaching and support Bachelor and Master students.

#### 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
- valid driver's license with acceptable driving history

Your application should include the following documents as one PDF: letter of motivation, CV with degree certificates, at least 2 references.

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

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## Weitere Informationen

Applications should be sent by e-mail, together with above mentioned significant documents, indicating the **reference code**, in PDF format (preferably as *one* document) to Prof. Dr. Nadine Goeppert: [nadine.goeppert@fu-berlin.de](mailto: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.

Stellenausschreibung vom: 27.04.2025

## SCHLAGWÖRTER

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