

External Job Advertisement Reg.-Nr. 5-9852/24-D

Martin Luther University Halle-Wittenberg (MLU), Faculty of Natural Sciences III, Institute of Geology and Geography offers the following position:

Doctoral Researcher (m/f/x)

At the next possible date, limited to 3 years, 75 per cent of full-time employment. The salary conforms to the regulations of pay group 13 TV-L depending on the nature of the assigned tasks as well as the candidate's individual qualifications.

Tasks:

- Simulation of flow and transport processes in fractured aquifers
- Further development of Bayesian methods for calibrating fracture network models (discrete fracture networks, DFNs)
- Co-supervision of students
- Publication of high-quality scientific results

Requirements:

- Master's degree, diploma or equivalent in the natural or engineering sciences (e.g. environmental sciences, geosciences, geophysics, physics, mechanical engineering,)
- Experience in numerical fluid dynamics simulation
- Knowledge of data assimilation, optimization and inversion techniques is an advantage
- Programming knowledge (e.g. in Python or Matlab)
- Fluent written and spoken English skills. Knowledge of German is an advantage.
- Communication capabilities and dependability

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply.

Queries concerning the application process and project-related questions should be directed to the head of the research unit, Prof. Peter Bayer - <https://applied.geo.uni-halle.de>.

All applications should include:

- Cover letter in English (or German) shortly describing the motivation for the project, research interests and relevant experience
- Complete curriculum vitae including contact details of two referees
- Digital copy of Master's/Bachelor's/Diploma degree certificates
- All documents should be submitted as one **single pdf file**.

Applicants with a degree that was not obtained at a German university must submit a certificate assessment for foreign university qualifications (Statement of Comparability for Foreign Higher Education Qualifications) from the Central Office for Foreign Education (<https://www.kmk.org/zab/central-office-for-foreign-education>).



Kindly send your application, quoting the reference number 5-9852/24-D to Prof. Peter Bayer (peter.bayer@geo.uni-halle.de). The submission deadline is 3rd of May 2024. Selected candidates may be invited to an interview already before this deadline. The position is offered with reservation of possible budgetary restrictions. Application portfolios will not be returned, and application costs cannot be reimbursed.