

The TU Bergakademie Freiberg, Faculty of Mathematics and Computer Science, Institute for Numerical Mathematics and Optimization, is seeking to fill a position as soon as possible as

Research assistant (m/f/d)
Job reference number 108-E/2025

to be filled on a temporary basis as part of a third-party funded project.

Remuneration: Pay grade 13 TV-L
Job scope: 1.0 FTE (40 hours/week; part-time possible if necessary)
Fixed term: October 31, 2026 (extension sought)



The project, which is being implemented in cooperation with TU Dresden, is dedicated to the development of mathematical models and numerical simulations of wetting phenomena on biological structures in order to answer fundamental questions about the organization of life.

Your tasks:

- Motivation to learn new numerical methods, supported by Prof. Aland's team
- Development of new mathematical models and their implementation in finite element code
- Scientific exchange with biophysicists for the analysis of numerical simulation results
- Contribution to scientific publications and conference presentations

What you can expect from us:

- Work at a family-friendly university with flexible working hours and mobile working options
- Remuneration in accordance with the provisions of the collective agreement for the public sector of the federal states, depending on personal qualifications
- Attractive fringe benefits, e.g., capital-forming benefits (VL), company pension scheme (VBL), health management, further training opportunities, discounted ticket for local public transport (job ticket)
- A committed and motivated team and an international, dynamic environment with excellent regional and international partners and openness to innovative approaches and ideas
- Training and support from experienced colleagues at AlandLab (www.alandlab.de)
- Participation in and support for travel to conferences and workshops

What we expect from you:

- University degree or master's degree in mathematics, computer science, physics, or a related field with good grades
- In-depth knowledge of numerical methods for differential equations, advanced programming skills
- Ability to work in a team, communication skills, personal commitment
- High motivation and interest in the application of numerical simulations for real-world applications

For further information, please contact Prof. Dr. Sebastian Aland
Email: sebastian.aland@math.tu-freiberg.de.

Applicants (m/f/d) must meet the employment requirements for fixed-term employment contracts in accordance with the Wiss-ZeitVG (German Academic Fixed-Term Contract Act). Severely disabled persons or persons of equivalent status (m/f/d) will be given preferential consideration if they have the same qualifications, performance, and abilities. To ensure appropriate consideration, please include proof of severe disability/equivalence with your application documents. The TU Bergakademie Freiberg strives to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women.

Please send your application with a cover letter/letter of motivation, resume, copies of all relevant certificates, and the **reference number (108-E/2025) by September 08, 2025** (the postmark of the ZPS at TU Bergakademie Freiberg applies) to:

TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg
or per bewerbungen@tu-freiberg.de

The TU Bergakademie Freiberg is also looking for staff in various fields. Further information can be found at: <https://tu-freiberg.de/stellenangebote>