

The TU Bergakademie Freiberg, Faculty of Chemistry, Physics and Biosciences, Institute of Physical Chemistry is seeking to fill the position of

Research Assistant (m/f/d)
Advertisement reference number 32-E/2025



to be filled on a temporary basis.

Remuneration: Remuneration group 13 TV-L
Job size: 0.5 FTE (20 hours/week; possibility to increase)
Fixed-term: 3 years (extension possible)

As part of the project, electrochemically addressable, micro- and nanostructured polymer interfaces are to be produced and their electrochemical switching behavior investigated. Electrode deposition techniques on electrodes will be used in particular for this purpose. This work will lead to the production of adaptive membranes and colloids.

These are your tasks:

- Production of electroactive polymer systems
- molecular, nanoscopic and electrochemical polymer characterization
- targeted preparation of electroactive polymer aggregates at interfaces
- electrodeposition
- electrochemical switching of interfacially bound polymer layers
- use of electrodeposition to generate novel colloids
- possible (in-situ) tracking of the deposition and switching process using scattering methods such as SAXS/GISAXS
- participation in teaching (exercises, lab courses)
- preparation of publications, preparation of research reports

What you can expect from us:

- Working at a family-friendly university with flexible working hours
- Remuneration in accordance with the provisions of the collective agreement for the public service of the federal states according to personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management; further training opportunities; discounted ticket for local public transport "Jobticket"
- Further training opportunities
- Working in an academically experienced team
- the position is suitable for obtaining a Ph.D. degree

We expect from you:

- very good degree or diploma in chemistry, applied natural sciences, physics, process engineering or in a related field
- experience in electrochemistry, polymer chemistry, colloid chemistry and/or interfacial chemistry and in common characterization methods
- excellent written and spoken English and German
- independent, goal-oriented and interdisciplinary working style

**For further information please contact Prof. Dr. Plamper, (Tel. 03731 39-2139,
E-Mail: plamper@chemie.tu-freiberg.de)**

Applicants (m/f/d) must fulfill the recruitment requirements for the conclusion of employment contracts for a fixed term in accordance with the WissZeitVG. Severely disabled persons or persons of equal status (m/f/d) will be given preferential consideration if they have the same aptitude, performance and qualifications. For appropriate consideration, please enclose proof of severe disability/equal status with your application documents. The TU Bergakademie Freiberg aims 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 the usual documents and the job advertisement reference number (32-E/2025) by **18.05.2025**

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

Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for academic staff from various disciplines. Personnel from various disciplines. Information at: <http://tu-freiberg.de>