Scientific Position (m/f/d)

position number: 102-E/2026

Faculty of Chemistry, Physics and Biosciences

Workload: 0.5 VZÄ – 1.0 (20 – 40 hours/week)
Pay grade: Pay group E13 TV-L
Contract type: 08th of July 2027 (with option for extension)
Start: 1st of December 2026

At the Faculty of Chemistry and Physics, Institute of Physical Chemistry, TU Bergakademie Freiberg, a Scientific (/Postdoc) Position (m/f/d) is expected to be filled on a temporary basis as of 1st of December 2026. As part of the collaborative project "Single-Chain Nanoparticle Complexation at Interfaces", funded by the German Research Foundation (DFG) between the research groups of Prof. Plamper (Freiberg), Prof. Schacher (Jena) and Prof. Barner-Kowollik (Brisbane/Karlsruhe), colloidal polymer networks will be prepared and their interfacial behaviour explored. The successful candidate will be employed at the Technical University of Freiberg, Germany, and the project includes short-term exchanges with the University of Jena, Germany, Karlsruhe Institute of Technolgy (KIT), Germany, and the QUT in Brisbane, Australia. The project is scheduled to run until the end of June 2027; subject to approval by the DFG, an extension through the end of 2028/beginning of 2029 may be possible.

These are your tasks:

- Synthesis of photoactive monomers and crosslinkers
- preparation of photoactive polymers
- molecular characterization (NMR, IR...)
- photocrosslinking of polymers in solution and at interfaces
- structural investigations in solution by scattering methods (DLS, SLS, SAXS...)
- studies of interfacial behavior (Langmuir trough, interfacial rheology, SAXS, reflectometry)
- supervision of student theses
- preparation of publications, preparation of research reports

What we expect:

- a university diploma or master degree in chemistry, applied science, nanotechnology or in a field related to these areas
- Ph.D. degree, if possible (postdoc)
- experience in organic chemistry, photochemistry, polymer chemistry, interfacial and/or colloid chemistry and related characterization techniques
- excellent English (and German) language skills, both written and spoken
- independent goal-oriented and interdisciplinary working style
- willingness to work in a transcontinental setting

What you can except from us:

- working at a family-friendly university with flexible working hours
- remuneration according to the provisions of the collective agreement for the public service of the federal states in accordance with the personal requirements; attractive fringe benefits, e.g. B. Asset-based benefits (VL), company pension schemes (VBL), health management, assistance (training) by experienced colleagues
- guidance by experienced colleagues and the possibilities of further education

Applications

Please send your application with the usual documents, quoting the reference number (102-E/2026)
preferred until 1st of September 2026 by E-Mail:

bewerbungen@tu-freiberg.de

or to:
TU Bergakademie Freiberg
Dezernat Personalangelegenheiten
09596 Freiberg

For further information, please contact

Mr. Prof. Dr. Plamper
Tel.: +49-3731/392139, E-Mail:
plamper@chemie.tu-freiberg.de

The applicant must meet the hiring requirements for fixed-term employment contracts according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.