

At the TU Bergakademie Freiberg Faculty of Chemistry, Physics and Biosciences, Institute of Inorganic Chemistry a position is available as a

doctoral researcher (PhD student) (m/f/d) – reference number 79-E/2025

to be filled at the earliest possible time, subject to research grant approval.



Pay grade: according to German pay grade E13 TV-L
Hours: 0,65 FTE (26 hours/week; increase possible in the second or third year)
Contract type: 3 years

Job description:

- Research in the fields of aluminium ion batteries, in particular cell chemistry, electrode kinetics and speciation studies in ionic liquids
- Publication of results in the form of reports, presentations, and articles in scientific journals
- Supervision of undergraduate research projects
- Cooperation with project partners from other universities, research institutes and industry

What you can expect from us:

- A position in an active and supportive research group 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 in line with personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management; discounted ticket for local public transport "Job-Ticket"
- Support from experienced colleagues for lab work, scientific publications and participation in conferences
- Possibility to take part in the University's career development programmes

What we expect from you:

- You have an MSc degree (or equivalent) in chemistry or a closely related field
- You have significant experience in several of the following areas: chemical and physical properties of ionic liquids, battery chemistry, analytical electrochemistry (esp. voltammetry and battery characterisation), spectroscopy (esp. NMR and Raman spectroscopy), X-ray diffractometry
- Research experience in an international and interdisciplinary environment is desirable
- You have an independent working style, excellent communication skills and high motivation
- Excellent English languages skills (speaking and writing) are essential, German language skills are desirable
- You aspire to obtain a doctoral degree (PhD in chemistry)

**For further information please contact Prof. Gero Frisch, Tel.: +49 3731/39-3573;
Email: frisch@tu-freiberg.de.**

The applicant (m/f/d) must meet the hiring requirements for a fixed-term contract according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, providing they possess equal qualification. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie Freiberg is committed to increase the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Please send your application with a cover letter/motivation letter, CV, copies of all relevant certificates, quoting the **job advertisement reference number (79-E/2025) by 10.07.2025** to:

**TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg
or by e-mail to: bewerbungen@tu-freiberg.de**

Your application documents will not be returned, please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for staff from various disciplines. Further information can be found at: <https://tu-freiberg.de/stellenangebote>