

At the TU Bergakademie Freiberg, Faculty of Chemistry, Physics and Biosciences, Institute of Chemical Technology there is a vacancy as of January 1st 2026, under assumption the project is funded, as

**Research Assistant - Pre-Doc (m/w/d)
position number 151-E/2025**



as part of a fixed-term third-party funded project.

Remuneration: pay group 13 TV-L
Job scope: 0,5 FTE (20 hours/week)
Time limit: 31.12.2028

Your tasks:

The Institute of Chemical Technology at TU Bergakademie Freiberg is pan-European leading in resource chemistry. We work on complex problems to realise the energy and resource turnaround and rank at a top position in the development of holistic processes for the recovery of primary and secondary resources. The zero-waste concept is key part of our research to further integrate this into industrial processes. Examples for economic successful processes include Li, REE, In, Ge, Sn and others.

In this context we are seeking an outstanding qualified research assistant - pre-doc (m/f/d) for a project, under assumption the project is funded, on Nickel and Cobalt extraction from primary resources.

The aim of the project is the selective extraction of Nickel and Cobalt from laterite ores by means of a patented process of the institute via electrochemical leaching. The process will be applied and optimised to the resource. The optimised lab-scale results will be transferred into a pilot scale in cooperation with the project partners.

What you can expect from us:

- Work at a family-friendly university
- 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
- Training by long-standing employees
- Opportunities for further training
- Opportunity to attain further academic qualifications

What we expect from you:

- Academic degree in chemistry or chemical process engineering
- Excitement for the development of chemical processes for a human and climate suitable future
- Extensive experience in chemical analytics (IC-, ICP-MS/OES, AAS, XRF, XRD)
- independent work in a lab is required
- Excellent English (and preferably also German) language skills, both written and spoken
- Experience in setting-up and operating lab and technical scale equipment as well as process monitoring

**For further information, please contact Prof. Dr. Martin Bertau (Tel.: 03731 39-2384,
e-mail: martin.bertau@chemie.tu-freiberg.de) and Dr. Ben Ebersbach (Tel.: 03731 39-3880,
e-mail: ben.ebersbach@chemie.tu-freiberg.de).**

Applicants (m/f/d) must meet the employment requirements for fixed-term employment contracts in accordance with the WissZeitVG (German Academic Fixed-Term Contract Act). Severely disabled persons or persons of equivalent status 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. 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, quoting the **position number (151-E/2025)** by **22.11.2025** to:

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

Interview expenses will not be covered. TU Bergakademie Freiberg is also looking for staff in various fields. Further information can be found at: <https://tu-freiberg.de/stellenangebote>