



Technische Universität Berlin offers an open position:

Research assistant - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted; Part-time employment may be possible

Faculty II - Institute of Optics and Atomic Physics (IOAP) / Analytical X-Ray Physics

Reference number: II-135/25 (starting at 01/07/25 / limited until 18/12/2025 / closing date for applications 18/04/25)

Working field:

The EU-funded metrology project HyMetBat aims at the hybrid metrology of sustainable and low carbon footprint battery materials. At the TU Berlin the chemical analysis of different battery materials is planned using X-ray fluorescence (XRF) and X-ray emission (XES) spectrometers available at the BLiX (Berlin laboratory for innovative X-ray technologies).

Following tasks must be performed: Ex-situ Investigation of pristine and cycled materials, operando XRF measurements on complete battery systems during cyclization, evaluation and processing of the data.

Requirements:

- successfully completed scientific university degree (Master's, Diploma or equivalent) in the field of physics, engineering, chemistry or equivalent
- in-depth knowledge of X-ray analysis and advanced knowledge of X-ray emission and X-ray fluorescence spectroscopy
- significant experience with laboratory spectrometers based on X-ray tube excitation
- good knowledge of German and/or English required; willingness to acquire the missing language skills in each case
- very good programming skills

Desirable:

- Experience in the analysis of battery materials
- Experience in the development of quantification methods
- Experience with large project consortia

Please send your application by e-mail to Sabine Remus (remus@physik.tu-berlin.de), quoting the **reference number**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät II, Institut für Optik und Atomare Physik, AG "Analytische Röntgenphysik", Frau Prof. Dr. Kanngießner, Sekr. EW 3-1, Hardenbergstr. 36, 10623 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

