

Technische Universität Dresden - Chair of Inorganic Chemistry I



TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

Research Associate / PostDoc (m/f/x)

(subject to personal qualification, employees are remunerated according to salary group E 13 TV-L) At the Faculty of Chemistry and Food Chemistry, the Chair of Inorganic Chemistry I offers, subject to the availability of resources, a project position as Research Associate / PostDoc (m/f/x) starting January 1, 2027. The position is limited until February 29, 2028. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG).

City: Dresden; Starting date (earliest): At the earliest possible; Duration: until February 29, 2028; Remuneration: subject to personal qualification, employees are remunerated according to salary group E 13 TV-L; Reference number: w26-256; Closing date: 26/10/26

Tasks

The candidate will be in charge of developing a novel generation of computing architectures based on ion computing. Development of novel switchable ultracapacitors and microsupercapacitors for iontronic applications, synthesis of porous carbon materials and porous membranes, development and adaption of new electrolyte formulations, electrochemical characterization, impedance spectroscopy, cyclic voltammetry, integration into a team of PhD and master students, scientific publishing, data management.

Requirements

- very good university and PhD degree in chemistry or materials science
- experience in the field of electrochemistry in particular ultracapacitors, cyclovoltammetry, impedance spectroscopy
- broad knowledge of materials characterization methods in particular as relevant for porous materials
- able to work in an international team and to guide a team
- high self-motivation
- good command of written and spoken English
- good PC skills
- capacity for teamwork and organizational talent

Application

TUD strives to employ more women in academia and research. We therefore expressly

encourage women to apply. The university is a family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Application: Please submit your detailed application with the usual documents by October 26, 2026 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to sekretariat-ac1@mailbox.tu-dresden.de or to:

TU Dresden,
Chair of Inorganic Chemistry I,
Frau Linda Petersohn,
Helmholtzstr. 10,
01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.

More information at <https://stellenticket.de/207574/TUD/>
Offer visible until 26/10/26

