TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. 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.

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)
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **November 1, 2025**. The position is limited until April 30, 2027. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

Tasks:

- develop a novel 3-electrode electrolyzer technology
- characterize materials and evaluate various electrocatalysts
- develop a laboratory prototype cell setup suitable for scale-up
- publish results in international journals
- develop market for electrolyzer technology, acquisition of industrial cooperation partners
- manage the project (EU POC Grant) self-responsible and in close exchange with coordinator and lead scientists

Requirements:

- university degree in chemistry, electrochemistry, physical chemistry, electrical engineering or chemical engineering
- good knowledge in catalysis, electrochemical water splitting principles and electrolyzer operation
- basic knowledge in electrolyzer design, including components, configurations and basic engineering considerations
- high self-motivation
- very good command of written and spoken English
- good PC skills
- capacity for teamwork and organizational talent

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified 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.

Please submit your detailed application with the usual documents, quoting the **reference number "w25-215"** by **September 9, 2025** (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 **linda.petersohn@tu-dresden.de** or to: **TU Dresden, Chair of Inorganic Chemistry I, 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.

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.