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 II offers, subject to the availability of resources, a position as

Research Associate (m/f/x)
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the earliest possible date. The position entails 75% of the full-time weekly hours is limited until May 31, 2027 with the option of extension. The position offers the chance to obtain further academic qualification (usually PhD). The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Tasks: In a project funded by the German Research Foundation, we investigate the interaction between the correlated disorder of protons in perovskite-related materials and magnetic frustration together with the Chair of Condensed Matter Neutron Spectroscopy at TUD. Within this project we are looking for a PhD student for the following tasks:

- identification of suitable new materials and their synthesis;
- crystal growth from aqueous solution at different temperatures;
- determination of (thermo-)chemical properties;
- structural characterization by powder and single crystal X-ray diffraction and electron microscopy;
- operation and supervision of project-relevant equipment (e.g. X-ray diffractometer, magnetometer);
- active collaboration in an established, interdisciplinary team of chemists and experimental physicists.

Requirements: university degree (M.Sc., Dipl.) in chemistry or a related discipline; experience in the field of inorganic solid state and synthesis chemistry; basic skills in crystallography and X-ray diffraction as well as in solid state physics and magnetism; very good English skills (both, written and spoken); ability to work creatively and independently; above-average commitment and willingness to integrate into the existing team and to take on responsibility.

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 and offers a Dual Career Service. 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 stating the job advertisement number “w24-290” by September 12, 2024 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: TU Dresden, Fakultät Chemie und Lebensmittelchemie, Professur für Anorganische Chemie II, Herrn Prof. Dr. Thomas Doert, Helmholtzstr. 10, 01069 Dresden, Germany or via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to thomas.doert@tu-dresden.de. 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.