Faculty of Chemistry and Food Chemistry

The Chair of Inorganic Chemistry I offers a position as

**Research Associate**

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

starting on **April 1, 2021**. The position is limited until September 30, 2022. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). Extensions may be considered, subject to further third-party funded projects.

**Tasks:** Development of an innovative X-ray instrumentation for the analysis of porous materials for energy and environmental applications within an EU Proof-of-Concept grant. Development of an adsorption chamber and its adaptation to various laboratory powder X-ray diffractometers. Development of hardware incl. engineering and control software. Operational checks at different temperatures and gas compositions. Market analysis and cooperation with industrial partners to commercialize innovative X-ray technologies. Documentation of results and reporting to the EU.

**Requirements:** Very good university degree in physics or engineering (especially knowledge in the field of developing analytical measuring instruments, design and construction of measuring devices, programming skills); high self-motivation; a good command of written and spoken English; PC skills; the capability of teamwork and organizational talent complete your profile. Knowledge in the fields of X-ray analytics, thermodynamics of gases as well as interest in entrepreneurship may be advantageous.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documents by indicating the **reference number w 126** until **March 1, 2021** (stamped arrival date of the university central mail service applies) by mail to: **TU Dresden, Fakultät Chemie und Lebensmittelchemie, Professur für Anorganische Chemie I, z.Hd. Frau Linda Petersohn, Helmholtzstr. 10, 01069 Dresden** or via the TU Dresden SecureMail Portal **https://securemail.tu-dresden.de** by sending it as a single pdf document to **linda.petersohn@tu-dresden.de**. Please submit copies only, as your application will not be returned. Expenses incurred in attending interviews cannot be reimbursed.

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**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**