Faculty of Chemistry and Food Chemistry

The Chair of Inorganic Chemistry I offers a position as

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

starting on **January 1, 2023**. The position entails 50 % of the fulltime weekly hours and is limited until September 30, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). Within the research project, the employee has an opportunity to summarize the results of the project in a PhD thesis and get a PhD degree in Inorganic Chemistry.

**Tasks:** primary synthesis and characterization of porous solids such as model porous carbons, silica and Metal-Organic Frameworks. The further task is the development of the instrumentation for in situ Radiography and Tomography in parallel to adsorption of gases and liquids. The instrumentation will be commissioned at BAMline of BESSY II synchrotron (HZB, Berlin). Writing beamtime applications, instrumentation manuals, measurement and analysis of the data belong to the task of the research associate.

**Requirements:** university degree in chemistry or experimental physics (Master or equivalent); good knowledge in the characterization of porous solids (PXRD, nitrogen physisorption, SEM, IR, NMR, etc); **basic knowledge in X-ray imaging and tomography**, good PC knowledge, the knowledge of Python programming language and CAD-3D software is advantageous; **experience in the use of scientific equipment**: high self-motivation; good command of written and spoken English; capacity for teamwork and organizational talent; willingness to business trips.

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 w22-320** until **November 30, 2022** (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal [https://securemail.tudresden.de](https://securemail.tudresden.de) by sending it as a single pdf document to: **linda.petersohn@tu-dresden.de** or to: **TU Dresden, Fakultät Chemie und Lebensmittelchemie, Professur für Anorganische Chemie I, z. Hd. Frau Linda Petersohn, Helmholtzstr. 10, 01069 Dresden, Germany.** Please submit copies only, as your application will not be returned. 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](https://tu-dresden.de/karriere/datenschutzhinweis).