Dresden University of Technology

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.

The **Chair of Molecular Functional Materials** at the **Faculty of Chemistry and Food Chemistry** offers a position as

Research Associate / PostDoc (m/f/x)

starting **July 1, 2026**. The position is limited to 12 months. The position offers the chance to obtain further academic qualification.

Tasks:

- Fabrication and characterization of micro-/nano-electronic and optoelectronic devices
- Evaluation and optimization of device performance
- Organizational and coordination tasks related to ongoing research projects

Requirements:

- university and PhD degree in materials science, physics, electrical engineering, or a closely related field
- previous experience in semiconductor micro-/nano-device fabrication and characterization
- hands-on experience with optoelectronic or electronic devices, such as photodetectors, field-effect transistors
- very good interpersonal and communication skills
- in particular, the ability to effectively work in collaborative research efforts
- an independent, target- and solution-driven work attitude
- inter- and multidisciplinary thinking
- strong motivation
- fluency in English - written and oral

Please submit your detailed application (in English only) with a motivation letter, CV, copy of degree certificates, transcript of grades (i.e. the official list of coursework including your grades) by sending it as a single pdf file to **jinxin.liu@tu-dresden.de**

TU Dresden, Chair of Molecular Functional Materials, Dr. Jinxin Liu, 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.

DRESDEN concept

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.