

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. 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 **TRR404 "Next Generation Electronics With Active Devices in Three Dimensions [Active-3D]"** is a Collaborative Research Center/Transregio between TUD and Rheinisch-Westfälische Technische Hochschule Aachen (RWTH Aachen) funded by Deutsche Forschungsgemeinschaft. The TRR aims at exploring a completely new approach for microelectronics technology and therefore teams up materialists, electrical engineers, and computer scientists of TUD, RWTH Aachen and Gesellschaft für Angewandte Mikro- und Optoelektronik mbH (AMO) in Aachen, Forschungszentrum Jülich (FZJ), Max Planck Institute of Microstructure Physics Halle (MPI-MSP), Nanoelectronic Materials Laboratory gGmbH (NaMLab) in Dresden, Ruhr-Universität Bochum (RUB).

At the **TRR404**, the **Chair of Molecular Functional Materials** at the **Faculty of Chemistry and Food Chemistry** offers a position as

Research Associate / Postdoc (m/f/x)

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

starting **September 1, 2026** or **as soon as possible thereafter**. The position is limited until December 31, 2028. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification.

Tasks:

- scientific research activities in Project: A06 2D Field-Effect Transistors
- chemical vapor deposition growth experiments of two-dimensional transition metal dichalcogenide crystals and related 2D hybrid materials and heterostructures, and support collaborations with the Lemme group at RWTH Aachen and other projects

Requirements:

- excellent university and PhD degree in chemistry, materials science or similar
- willingness and ability to think beyond the boundaries of your field, to act in an international and diverse environment and to live an open and constructive communication
- strong analytic and problem-solving skills, creativity
- an independent, target- and solution-driven work attitude
- fluency in English, knowledge of German would be a plus

We offer: A varied and challenging research task, embedded in a friendly, inclusive and supportive team of the TRR's Principal Investigators (i.e., project leaders and supervisors). We maintain an open and cooperative work attitude with maximum personal responsibility, mutual support with a solution-oriented approach, and flexible working hours where possible. In addition, TUD offers:

- employment in accordance with the provisions of the collective agreement for the public service of the Länder (TV-L)
- an individual assignment of the collective agreement experience level taking into account your previous professional experience
- 30 days annual vacation (based on a 5-day workweek) and annual bonus payment (restrictions apply)
- additional pension scheme (VBL)
- very good accessibility by public transport
- car parking facilities
- state-of-the-art buildings with labs equipped to a high technical standard
- a wide range of offers for health promotion and for the compatibility of family and career
- numerous opportunities for further training, including language courses, IT courses and other courses

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

Application: Please submit your detailed application including a motivation letter, CV, copy of degree certificates, transcripts of grades (i.e., the official list of coursework including your grades) and proof of English language skills with the **reference "w26-176"** by **August 17, 2026** (stamped arrival date of the university central mail service applies) to:

TU Dresden, TRR404, Herrn Prof. Dr. Xinliang Feng, 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.



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>.