

Technische Universität Dresden - Research Training Group (RTG 3120) “Biomolecular Condensates: From Physics to Biological Functions”



TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. 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. 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 newly DFG-funded Research Training Group (RTG 3120) “Biomolecular Condensates: From Physics to Biological Functions” (<http://www.dresdencondensates.org/projects>) is developing interdisciplinary approaches and methods to study biomolecular condensates. The intrinsically interdisciplinary nature of this field poses particular challenges—especially in establishing a shared scientific data space that facilitates collaboration across diverse disciplines and methodologies, as well as the application of AI-based concepts. To address this, we plan to implement a sustainable research data management (RDM) system. The goal is to create an overarching data space for the RTG that integrates various experimental techniques and simulation methods. This includes concepts for ensuring data quality, storage, accessibility/sharing, archiving, publication, and preparing data for machine learning applications.

Research Data Steward (m/f/x)

The Research Training Group RTG 3120 offers, subject to the availability of resources, a position as Research Data Steward (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting January 1, 2026. The position is initially limited to 3 years, with the option of extension and tenure. 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 (usually PhD / habilitation thesis).

City: Dresden; Starting date (earliest): 01/01/26; Duration: The position is initially limited to 3 years, with the option of extension and tenure.; Remuneration: subject to personal qualification employees are remunerated according to salary group E 13 TV-L; Reference number: w25-242; Closing date: 18/11/25

Working field

- scientific research and development activities in research data management (RDM) with a focus on AI- and machine learning-based methods and interdisciplinary data integration
- develop new AI-based methods, tools, scripts, ontologies and a knowledge graph based on RTG research results and relevant literature
- provide methodological support and advice to project groups and doctoral researchers on data quality, workflows and RDM best practices
- develop and maintain data management plans (DMPs) and support the RTG’s RDM committee in implementing data management measures

- present and publish research findings at conferences and in scientific journals
- provide hands-on training and workshops for doctoral students in RDM methods

Requirements

- university degree (Master or diploma) in physics, biology, computer science, or a related field and, if applicable, PhD degree
- excellent background in RDM principles and FAIR data practices, ideally gained in a scientific environment
- familiarity with data lifecycle concepts, metadata standards, and data documentation best practices
- experience in system programming, including scripting and tool development
- experience in developing machine learning and AI-based concepts
- excellent communication skills for engaging with researchers at all levels; proven ability to coordinate across interdisciplinary teams
- very good written and spoken English skills. Proficiency in German is an advantage.
- high level of self-organization, personal responsibility, and a solution-oriented mindset

What we offer

- remuneration according to the TV-L pay scale
- flexible working hours
- a stimulating and interdisciplinary scientific environment
- a family-friendly working atmosphere
- support from a student assistant (SHK)
- opportunities to fully develop your potential through targeted professional development programs

For questions or in case of technical difficulties, contact us at rtg3120@tu-dresden.de. For more information about RTG 3120: www.dresdencondensates.org/projects.

Application

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. 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, including a cover letter with a statement of motivation, your CV, a list of completed or ongoing projects in RDM or closely related areas and a list of scientific publications (if available). Please provide references in your CV, by November 18, 2025 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to rtg3120@tu-dresden.de or to:

TU Dresden, Chair of Theory of Polymers at Interfaces, Prof. Jens-Uwe Sommer, 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>.

More information at <https://stellenticket.de/199143/TUBS/>
Offer visible until 18/11/25

