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"** is developing interdisciplinary approaches and methods to study biomolecular condensates. Ten projects and fourteen principal investigators will supervise twelve PhD students in the first cohort and twelve in the second cohort to address the questions and hypotheses posed over 5 years. The intrinsically interdisciplinary nature of this field poses particular challenges and opportunities—especially in establishing a shared scientific data space and common terminologies understood by biologists, physicists, and computational scientists. For that purpose, an experienced postdoctoral scientist is needed to kickstart projects that require interdisciplinary approaches to integrate different biological scales and theoretical models. In particular, the labs of Miki Ebisuya and Anthony Hyman will recruit a postdoctoral scientist to primarily supervise PhD students on planning and conducting research project 'Role of condensates in biological time across mammals', in addition to supervision and mentoring activities across the RTG network. The project will quantitatively measure the kinetics of condensates and gene expression processes. In addition, the scientist will employ biophysical and biochemical techniques and bioinformatics to investigate the origin of differential condensates kinetics across species and assess whether these properties contribute to species-specific developmental tempos. For more information on the project, visit: https://dresdencondensates.org/projects/b4/.

The **Research Training Group RTG 3120** 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 **after April 1, 2026**. The position is limited until March 31, 2028. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification.

Tasks:

- scientific research activities
- biophysical imaging and analysis to quantify the kinetics of condensates and gene expression processes
- FAIR Research Data Management
- project planning and Supervision of PhD students of the RTG
- organization of seminars, lectures, and retreats
- preparation of manuscripts and funding proposals

Requirements:

- university and PhD degree in physics, biology, engineering, or a related field
- strong background in quantitative imaging and analysis; prior experience with single-molecule imaging and/or theoretical aspects of condensate dynamics is highly desirable
- excellent communication skills for engaging with researchers at all levels; proven ability to coordinate across interdisciplinary teams
- willingness to actively collaborate with and provide support to students in the RTG group
- familiarity with RDM principles and FAIR data practices, ideally gained in a scientific environment

- very good written and spoken English skills, proficiency in German is not required
- high level of self-organization, personal responsibility, and a solution-oriented mindset

We offer:

- salary according to TV-L including social benefits
- flexible working hours
- work in a stimulating and interdisciplinary scientific environment together with biologists, physicists, theoreticians, and bioinformaticians
- highly connected campus with shared, state-of-the art scientific core facilities and support services
- a family-friendly working atmosphere
- 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.**

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, and a list of scientific publications. Please ask a referee to directly send one letter of recommendation, by **October 30, 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.

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.