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 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 **Faculty of Biology, Research group Environmental Monitoring and Endocrinology** offers, subject to the availability of resources, a project position as

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

starting **November 1, 2025**. The position is limited to 24 months, initially until August 31, 2027 with the option of extension in follow-up projects. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

**Tasks:** Funded by the Federal Ministry for Economic Affairs and Energy, this cooperative project of universities and industrial partners shall develop cellular systems for the detection of aneugenic procarcinogens.

The successful applicant will use cyprinid cell cultures and in vivo life imaging solutions for micronucleus quantification and will compare the data between the laboratories. The partners will develop systems for biochemical activation of the procarcinogens for evaluation and comparison with co-culture conditions.

You will also establish expression profiles of healthy cells cultures and of non-transformed tissues of the carp (including oocytes) to compare their developmental and physiological signatures. This requires knowledge and skills in molecular and cellular biology, including NGS data set analysis, in silico analysis and communication of the results to partners and public.

**Requirements:** university degree (M.Sc. or equivalent) in (molecular) biology, bioinformatics, or a related field with comparable expertise by the time employment starts. We are looking for a person with scientific enthusiasm and experience in molecular techniques like qPCR and the analysis of NGS data. An independent working style and the handling of fishes is expected. The national cooperation project requires team spirit and well-developed communication skills. Practical experiences in cell culture and microscopy are highly welcome.

**We offer** state of the art laboratories for the planned project and the benefits of the excellent network Dresden-concept.

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 contact information of at least one academic reference, by **August 27, 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 **alexander.froschauer@tu-dresden.de** or to: **TU Dresden, Faculty of Biology, Dr. Alexander Froschauer, 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.

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**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.