Technische Universität Dresden (TUD), 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.

At the Faculty of Biology, the Chair of Zoology and Animal Physiology (Prof. Schirmeier) 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 at the earliest possible date. The position is limited to three years with the possibility of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The position aims at obtaining further academic qualification (e.g. habilitation thesis).

The Chair of Zoology and Animal Physiology is a small multicultural research group with Ph.D. students and postdocs of different nationalities. Thus, the Chair’s communication is in English. The chair aims to analyze the metabolic homeostasis of the central nervous system. Using Drosophila, the group studies how flexible neural metabolism is and how it adapts to suboptimal conditions, such as malnutrition. Adaptations to nutrient uptake and transport, changes in glia-neuron metabolic interactions, and the underlying regulatory mechanisms are studied. A greater understanding of the metabolic plasticity of the nervous system will lay the basis for better understanding for e.g. neurodegenerative diseases.

Tasks: The Postdoc will develop projects within the research focus of the Chair that aim to better understand metabolic adaptations of the nervous system to malnutrition. Parts of the projects shall be developed in close coordination with a Ph.D. student. The position includes teaching according to DAVOHS in the Bachelor (taught in German) and Master (taught in English) programs.

Requirements: university and Ph.D. degree in Biology, Biochemistry or related fields. A strong background in cell biology, molecular biology or imaging and experience with Drosophila will be beneficial. Highly motivated individuals who want to use the full spectrum of Drosophila genetics combined with metabolite live imaging to better understand metabolic plasticity are encouraged to apply.

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 and offers a Dual Career Service. 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 comprehensive application including the usual documents (motivation letter, curriculum vitae and grade transcripts); and additional a project sketch and letters of recommendation from two referees by January 6, 2023 (stamped arrival date of the university central mail service applies) via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to nike.vogt@tu-dresden.de or by mail to: TU Dresden, Fakultät Biologie, Professur für Zoologie und Tierphysiologie, z.H. Frau Nike Vogt, 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