



GEORG-AUGUST-UNIVERSITÄT  
GÖTTINGEN

The Department "Molecular Neurobiology of Behavior" at the Georg-August-University Göttingen seeks to fill two positions of a

## Research Assistant (PhD student) (f/m/d)

The positions should be filled by February 1, 2022. The regular working hours will be 65% of a full position, currently 25,87 hours per week, with a limited contract of initially three years. Salary: **Pay grade 13 TV-L**.

The Research Department headed by Prof. Dr. André Fiala investigates the functioning of neuronal circuits and processes of synaptic plasticity underlying learning and memory formation. To analyze these processes in detail and at the level of learning behavior, neuronal circuits and molecules within single cells, we use the well-established model organism *Drosophila melanogaster*. Methods and techniques that we apply encompass molecular biology, genome editing using CRISPR/Cas9, classical neurogenetics, immunohistochemistry, behavioral assays, two-photon microscopy, calcium imaging and optogenetics. For more information on our research please visit our homepage <https://www.uni-goettingen.de/en/94792.html>. The research projects that are planned for these PhD positions are embedded in a larger network of research institutions across Germany and Israel. All laboratories involved investigate with different approaches the function of the so-called mushroom body, a brain circuit that enables the animals to adaptively adjust their behavior to experience. For more information about this research unit please visit the webpage <https://www.uni-goettingen.de/en/601524.html>. Applicants should be motivated to work in an international team and to conduct shorter stays in other laboratories.

Successful candidates will show enthusiasm for science, creativity and a keen interest in cellular neurobiology, and hold a highly qualified University degree (Master of Science) in Biology with a study focus on neurobiology. The willingness to active cooperation and involvement in the DFG-funded research unit FOR 2705: Dissection of a Brain Circuit: Structure, Plasticity and Behavioral Function of the *Drosophila* Mushroom Body\* is expected. Moreover, very good skills in scientific English (written and oral), fundamental knowledge in programming and experience in *Drosophila* genetics are prerequisites. Experience in applying methods of molecular biology is of advantage. In turn, we offer a state-of-the-art, stimulating, positive research environment, comprehensive supervision, mentoring in career building, the opportunity to participate at international scientific conferences and first experiences in University teaching. This post is designed to foster young researchers and scientists and give the successful applicant the opportunity to pursue a doctoral degree within a structured graduate program.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The University has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.

Please send your application with the usual documents (also in electronic form) by December 10, 2021 to

**Georg-August-Universität Göttingen, Department of Molecular Neurobiology of Behavior, Julia-Lermontowa-Weg 37077 Göttingen, Germany.**  
**e-mail: [afiala@gwdg.de](mailto:afiala@gwdg.de).**

If you have any questions, please contact Prof. André Fiala  
phone: +49-551-39177920, e-mail: [afiala@gwdg.de](mailto:afiala@gwdg.de).

### **Please note:**

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the Hinweisblatt zur Datenschutzgrundverordnung (DSGVO) <https://www.uni-goettingen.de/hinweisdsvo>