



RESEARCH ASSOCIATE FOR THE PROJECT "ABCB-TRANSPORTERS AS KEY ADAPTATIONS TO HOST PLANT TOXINS" § 28 SUBSECTION 1 +3 HMBHG

Institution: Faculty of Mathematics, Informatics and Natural Sciences, Department of Biology, Institute for Cell and Systems Biology of Animals, Molecular Evolutionary Biology

Salary level: EGR. 13 TV-L

Start date: as soon as possible, the initial fixed term is three years. (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG]).

Application deadline: 2023-06-21

Scope of work: part-time

Weekly hours: 65 % of standard work hours per week

Responsibilities

In the period from as soon as possible until 28.02.2026 duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications. They may also undertake doctoral studies outside of working hours.

In the period from 01.03.2026 for the remaining time of the contract the research associate will be expected primarily to teach and conduct research. The research associate will also have the opportunity to pursue further academic qualifications, in particular a doctoral dissertation. At least one-third of set working hours will be made available for the research associate's own academic work.

Specific Duties

The researcher will investigate the importance of ABCB transporters for adaptation to host plant-derived cardenolides in the large milkweed bug, a species that recycles the toxins for its own anti-predator defense. The project analyses the effect of RNA interference mediated knockdown of specific ABCB transporters on uptake and trafficking of cardenolides and will screen for phenotypic effects on the bugs. To investigate the substrate specificity of the transporters and disentangle the transport network through the body, relevant cardenolides will be isolated from bugs or host plants by LC-MS techniques and fed or injected to the bugs.

The successful candidate will closely work together with another PhD student on the project. This position is funded by a grant of the German Research Foundation (DFG).

2,5 teaching hours per week from 01.03.2026 for the remaining time of the contract.

Requirements

A university degree in a relevant field.

In depth knowledge of molecular biological methods is required preferably also involving RNA interference and/or quantitative RT-PCR methods, additional knowledge of HPLC methods is highly desirable.

Team spirit, ability of scientific writing and good oral and written English skills are necessary.

We offer



Reliable remuneration based on wage agreements



Continuing education opportunities



University pensions



Attractive location



Flexible working hours



Work-life balance opportunities



Health management



Educational leave



30 days of vacation per annum

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As men are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage men to apply for this position. Equally qualified and suitable male applicants will receive preference.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

Instructions for applying

Contact

Prof. Susanne Dobler

susanne.dobler@uni-hamburg.de

+49 40 42838-4288

Location

Martin-Luther-King-Platz 3

20146 Hamburg

[Zu Google Maps](#)

Reference number

227

Application deadline

2023-06-21

Send us your complete application documents (cover letter, curriculum vitae, copies of degree certificate[s] and if necessary ID attesting to your disability or proof of equivalent status) via the online application form only.

If you experience technical problems, send an email to bewerbungen@uni-hamburg.de.
More information on [data protection](#) in selection procedures.



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