

The Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences I, Institute of Biology/Zoology, Department of Animal Physiology, offers a vacancy for a duration of 3 years for a

research assistant / PhD student (m-f-d)

The position is part time (50%) and available as soon as possible.

The salary will be according German Public Service Salary Scale13 TV-L

Research in our group is focused on insect olfaction with a special interest in the molecular basis of pheromone and plant odor detection in pest insects and beneficial species such as moths, locust and bees (www.animal-physiol.uni-halle.de). For strengthening our team, we are seeking for a motivated group member that in the framework of a PhD will work on the swarm-forming desert locust *Schistocerca gregaria* that is dreaded for its ability to form gigantic swarms destroying the vegetation and crops of invaded landscapes. Food search, reproduction, and aggregation behaviors in this species are triggered and controlled by complex olfactory signals. The goal of the project is to contribute to a better understanding of the molecular basis of olfaction in particular of the reception and transduction of distinct pheromone signals. The planned work will include molecular biological, histological and biochemical analysis of olfactory signaling elements, in particular of odorant receptors that are expressed in chemosensory neurons inside and beyond the antenna.

We offer:

- work in a supportive, inspiring and motivated team
- an excellent department infrastructure
- participation in cooperation projects

Work tasks:

- planning, performance and analysis of laboratory experiments
- drafting and publication of research results
- contribution to teaching of the group; mentoring of students in the laboratory
- contribution to organizational research tasks

Requirements:

- scientific university degree (master or equivalent graduation) in biology, biochemistry or related sciences
- high interest in experimental work and chemosensory systems
- knowledge in molecular biological, biochemical and histological methods are desirable
- high team spirit, high motivation and a good command of English

Priority will be given to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply. Applicants with a foreign qualification must provide the statement of comparability for foreign higher education (Statement of Comparability for Foreign Higher Education) of the Zentralstelle für ausländisches Bildungswesen (<https://www.kmk.org/zab/central-office-for-foreign-education>).

For more information please contact Prof. Dr. Jürgen Krieger, Tel.: +49 (0)345-55-26440, E-mail: juergen.krieger@zoologie.uni-halle.de.



Please submit your full application including the usual documents (letter of motivation, CV, certificates) with reference to Reg.-No. 5-7915/22-H until 02/12/2022 to Prof. Dr. Jürgen Krieger, Martin Luther University Halle-Wittenberg, Institute of Biology/Zoology, Dep. of Animal Physiology, Hoher Weg 8, D-06120 Halle (Saale). E-mail: juergen.krieger@zoologie.uni-halle.de. An electronic application in one single PDF file is preferred.