3-year PhD position to study task-dependent orchestration of insect olfactory sensory neuron performance

The project group Reception & Transduction, Dr. Dieter Wicher, in the Department of Evolutionary Neuroethology at the Max Planck Institute for Chemical Ecology offers a

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Background

A three year PhD position dedicated to working on “task-dependent orchestration of insect olfactory sensory neuron performance” is available in the MPI Chemical Ecology Jena. This project is part of the DFG priority program “Evolutionary optimization of neuronal systems” and constitutes a cooperation with Prof. Dr. Robert Kittel (Leipzig University, www.kittel-lab.com).

Aim of the project is to learn how olfactory sensory neurons in Drosophila melanogaster are equipped and regulated to detect odors of different valence. The task for the candidate will be to isolate such neurons and to investigate the odor signal processing in the cells. The applied methods include electrophysiology, fluorescence optics, cell biology and immunocytochemistry.

Payment will be based on the tariff contracts for the public service (65% E13). We provide an excellent research environment with enthusiastic scientists from different nationalities in the Department of Evolutionary Neuroethology (Prof. Hansson) at the Max Planck Institute for Chemical Ecology in Jena, Germany (http://www.ice.mpg.de). The PhD student can be associated with the International Max Planck Research School (IMPRS http://imprs.ice.mpg.de).

How to apply:

The Max-Planck Society is an equal opportunity employer and strives to employ both genders equally, as well as to employ more individuals with disabilities. Therefore, we encourage all applicants, independent of their nationality, gender or disability, to apply for this position. Interested candidates with a degree in life sciences are invited to submit CV, motivation letter and two references to

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