

Postdoc position in Computational Systems Neuroscience, University of Cologne (Nawrot Lab)

We offer a postdoc position (E13, 100%) in computational systems neuroscience. The candidate will develop **computational models of memory formation and conditioned response behavior in the insect**. This project is embedded in the DFG Research Unit "Dissection of a Brain Circuit: Structure, Plasticity and Behavioral Function of the Drosophila Mushroom Body" ([Research Unit 2705](#)). The goal of our project is to formulate and analyze biologically realistic and functional models that generate hypotheses, which can be tested in behavioral and neurophysiological experiments. Close collaborations with five well-established experimental groups as part of the collaborative Research Alliance 2705 and with collaborative partners at our institute provide us with exclusive access to data from optogenetic, optophysiological, electrophysiological and behavioral experiments in *Drosophila melanogaster*. Our international team is multidisciplinary with postdocs and PhD students from various backgrounds including physics, computer science, biology and psychology. Our institute is situated on campus close to the city center. We encourage training opportunities for postdocs and academic travel to international workshops and conferences.

Contact:

Prof. Dr. Martin Nawrot
Computational Systems Neuroscience Lab
Institute of Zoology
University of Cologne
Phone: +49 221 470 7307
martin.nawrot@uni-koeln.de
https://twitter.com/nawrot_group