

Aug 2023

**Student research projects in behavioral neurophysiology on sensory-motor transformation in insects.**

We are looking for talented students that are interested in performing a project module with the perspective of continuation during a master thesis.

In our experimental research we are interested in sensory-motor transformation and decision making in the insect brain. Our experiments focus on behavioral neurophysiology combining extracellular recordings from the central insect brain with computer controlled behavioral experiments to investigate integration of different sensory modalities, learning and brain plasticity, and decision making. Based on our recent results (Arıcan et al., 2022) we have defined possible student research projects. In case you are interested, please contact Cansu Arıcan (carıcan1@uni-koeln.de).

Arıcan, C., Schmitt, F.J., Rössler, W., Strube-Bloss, M. F., & Nawrot, M. P. (2022). The mushroom body output encodes behavioral decision during sensory-motor transformation. *bioRxiv*, 2022-09