

Title of dataset:

Multimodal Integration in Mushroom Body Extrinsic Neurons of the Honeybee

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Brief description of dataset:

The dataset includes recordings of mushroom body extrinsic/output neurons (MBON) during stimulation with green light (stimG), blue light (stimB), Farnesol (stimFar), Citronellol (StimCit) and two olfactory visual compounds (stimCitG and stimFarB).

Brief description of each file or set of files:

Data consist of [MPEG-2 ts video files]. There are two types of files:

- **Type one:** The file contains the spiking events (time points) of a single MBON-unit. For example “bee002msb_lightandodor_Unit2”.
- **Type two:** The file contains the time points of the stimulus marker. For example “bee002msb_lightandodor_StimCit”.

The bee number [bee002] indicates, that both files are from the same animal and share the same timeline.

Type one: The unit number [Unit2] indicates the unit’s name (1, 2...x). For example, there exist four Units recorded in bee002 (bee002msb_lightandodor_Unit1, bee002msb_lightandodor_Unit2, bee002msb_lightandodor_Unit3 and bee002msb_lightandodor_Unit4).

Type two: The Stimulus type [StimCit] indicates type of stimulus which was presented. In the present case it was the Citronellol. Compare brief description of the data (on top).