**Correia\_etal\_DATA – ReadMe**

Transient inhibition and long-term facilitation of locomotion by phasic optogenetic activation of serotonin neurons

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Correia\_etal\_DATA contains five experimental data sets:

* open field experiment
* open field long-term experiment
* ROI experiment
* rotarod experiment
* locomouse experiment

In detail, each data set contains:

* open field experiment

Data collected from wild-type (WT) and SERT-Cre (SERT) mice for the open field experiment, one single session. Each .mat file includes two variables for each mouse: position (x,y position of the animal) and stim\_frames\_on (first frame for each stimulation trial).

* open field long-term experiment

Same as open field experiment, but for many days. Each .mat file is corresponds to one mouse and one day.

* ROI experiment

Same as open field long-term experiment, but including also the variable stim\_frames\_off for the last stimulated frame inside the ROI.

* rotarod experiment

Contains one excel file with latency to fall times (s) for each animal and each non-stimulated day. WT mice: M28, M29, PW1, PW2, PW3; SERT mice: M22, M25, M26, PC3, PC4, PC5, PC6. Contains one .mat file with latency to fall times (s) for the third day (stimulation happened) with four variables: WT and SERT mice in stimulated (‘wt\_stim’, ‘chr2\_stim’) and non-stimulated trials (‘wt\_nostim’, ‘chr2\_nostim’).

* locomouse experiment

Contains x,y positions for SERT mice in stimulated and non-stimulated trials. The data is organized in a structure for each mice (m22, m25, m26, pc3, pc4, pc5, pc6).