The file *'data_figure_2_and_3.mat'* holds all the data displayed in figures 2 & 3. The variables within this file hold all the activity data (calcium traces), labels and butanone stimulation timing.
Data can be visualised by following instructions in the file *'view_neural_activities_org.m'*. Load *'data_figure_2_and_3.mat'* into the Matlab workspace and place *'fetchData.m', 'createOverlay',* and *'view_neural_activities_org.m'* into your current folder.

Variables are as follows:

Variable name	**Description**
data_int	Activity data for interneurons (RIA and AIA)
labels_int	Labels for data_int as a cell array of strings. Col1: step (ON or OFF for butanone presentation or removal respectively, Col2: neuron name Col3: condition Col4: animal name
data_sen	Activity data for sensory and command neurons
labels_sen	Labels for data_sencom as a cell array of strings. Col1: step (ON or OFF for butanone presentation or removal respectively, Col2: neuron name Col3: condition Col4: animal name
butanone_int_offStep	Time course of butanone removal in interneurons
butanone_int_onStep	Time course of butanone presentation in interneurons
butanone_sen_offStep	Time course of butanone removal in sensory neurons and command neurons
butanone_sen_onStep	Time course of butanone presentation in sensory neurons and command neurons
time_int	Time variable for interneurons
time_sen	Time variable for sensory neurons and command neurons

Note that the frame rate of data_sen is 2 Hz, while the frame rate of data_int is 5 Hz.