Variable Names:

1. firingRates:

df/f values;

Dimensions: Number of neurons X Number of odorants X time points X Number of Repeats

1. firingRatesAverage:

firingRates averaged over the number of repeats.

Dimensions: Number of neurons X Number of odorants X time points

1. time\_p:

Odor on from timepoints – 101 to 140 i.e., for 4 seconds. Each time bin = 100 ms.

Legends:

MC = MitralCells; TC = Tufted Cells; APC = Anterior Piriform Cortex; AON: Anterior Olfactory nucleus.

pre\_muscimol: control before muscimol was added

muscimol: trials after muscimol was added

Code:

Odor identification with twenty odors:

*mainFunction\_SVM\_OdorIdentifierLargeOdorSet.m*

*SVM\_OdorIdentifierLargeOdorSet.m*