Calcium imaging of spontaneous activity in zebrafish optic tectum.

Zebrafish data sets:

Title	**Age when imaged (dpf)**	**Manipulation**	**Num. neurons recorded**
zf_20151104-f1	8	None	114
zf_20170215-f3	6	Bilaterally enucleated 24hr post-fertlisation	76

Included files:

Filename	**Description**
plot_data.m	Plots raster of fluorescence levels, sample correlation matrix, sample fluorescence traces for each assembly, and spatial organisation for each assembly.
zf_20151104-f1.mat zf_20170215-f3.mat	Matlab file containing • Matrix of activity levels (*activity_matrix*). • 2-d coordinates for each neuron (*cell_coordinates*). • Detected assemblies (*detected_assemblies*).
zf_20151104-f1_activity_matrix.csv zf_20170215-f3_activity_matrix.csv	Matrix of fluorescence levels
zf_20151104-f1_assembly_assignments.csv zf_20170215-f3_assembly_assignments.csv	Detected assemblies (one assembly per row)
zf_20151104-f1_cell_coordinates.csv zf_20170215-f3_cell_coordinates.csv	2-d coordinates for each neuron