We are imaging NPY pHluorin at 4 Hz. I have given 8 train of stimulus at 50 Hz, at 0.5 sec interval. It will be nice to have some automated program which can pick up the events. They generally occur abruptly. We aim to figure out fractional number of events at every stimulus train. Characterize the kinetics of events.

1 Stimulus was given at 20th frame

2 Stimulus was given at 26th frame

3 Stimulus was given at 32 frames

4  Stimulus was given at 38th frame

5  Stimulus was given at 44th frame

6  Stimulus was given at 50th frame

7  Stimulus was given at 56th frame

8  Stimulus was given at 62th frame

<https://ucsf.box.com/s/j82mas6hauem98ks309jtemzpj24i632>

KO4-1a is acquistion done at 4 Hz with above mentioned stimulus train.

KO4 has NH4Cl treatment in the end, where fluorescence increases to see all the dense core vesicles.

* Quantify number of events after each stimulus
* Total number of dense core