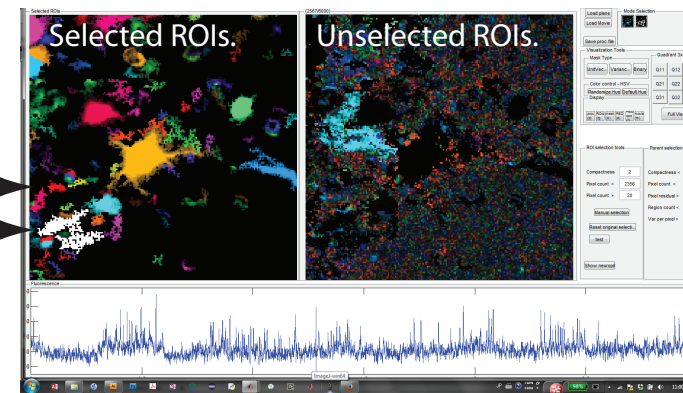


## RoiGui.m



How to use this program:

- 0) Change the filtering conditions to globally select/unselect ROIs to roughly filter out ROIs.
- 1) Left click to select an ROI, inspect its fluorescent trace.
- 2) Right click to flip the selection, if the fluorescence pattern does not look correct/incorrect.
- 3) Right-clicked ROIs are labeled as "manually selected", and it overwrites the filtering conditions.

The new filtering feature I introduced is skew(F). If a fluorescent trace is symmetric gaussian noise, skew(F)=0. If it has positive Fluorescent spikes, the distribution of F(t) is skewed toward positive value. Therefore, skew(F) becomes positive.

<normal mode>

Right click: flip selection (selected <-> non-selected ROI)

Left click: select this ROI and show F(t).

<Keyboard press in normal mode>

- Q** ROI view
- W** mean (p=0) or normalized (p=1) image view.
- P** flip mean <-> normalized mode.
- M** load movie
- <** role back movie
- >** role forward movie
- ?** acceralate movie frame rate.
- move one frame forward
- ←** move one frame backward