

The macro runs the following process:

1. Report the time points for the acquisitions
2. Enlarge the spot ROIs loaded from the ProjectorROIs by 10 pixels and measure the intensity over time

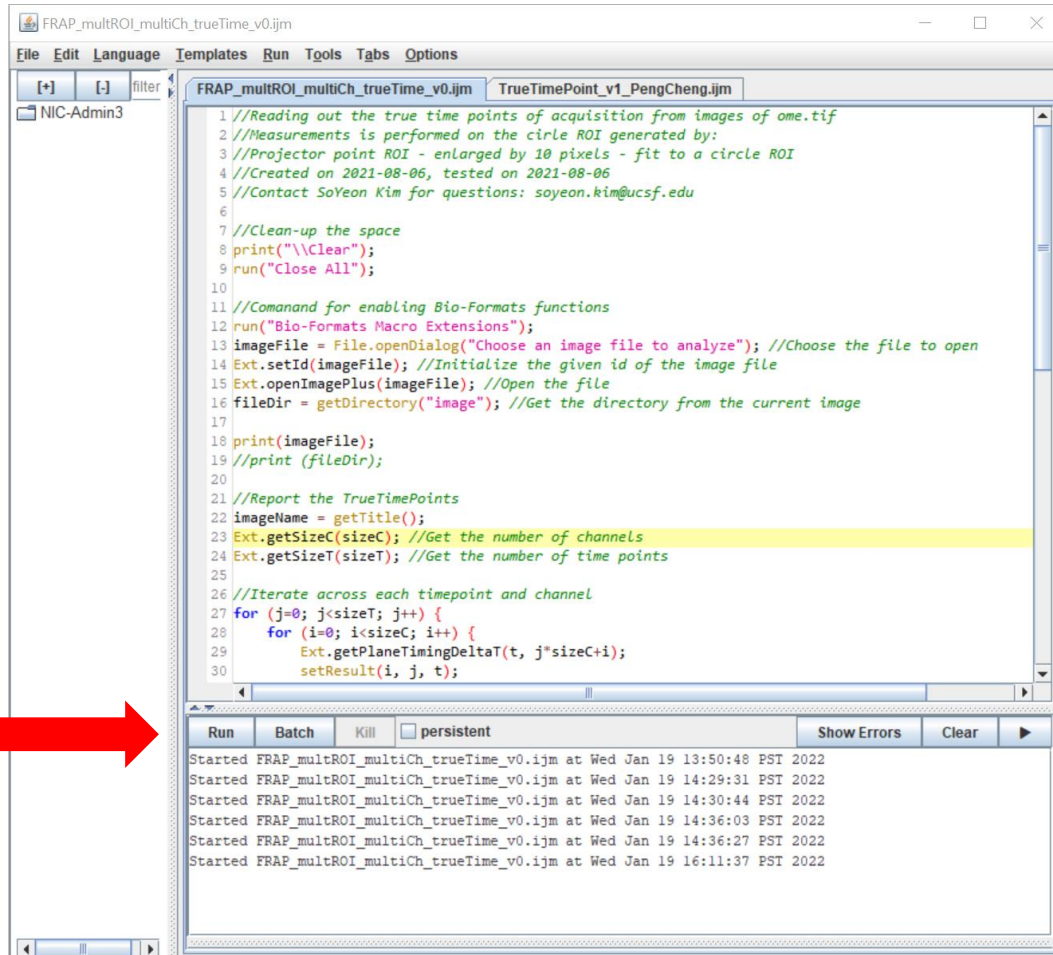
The macro needs the following:

1. FRAP (or Photoactivation) image acquired from the Micro Manager
2. Spot ROI(s)

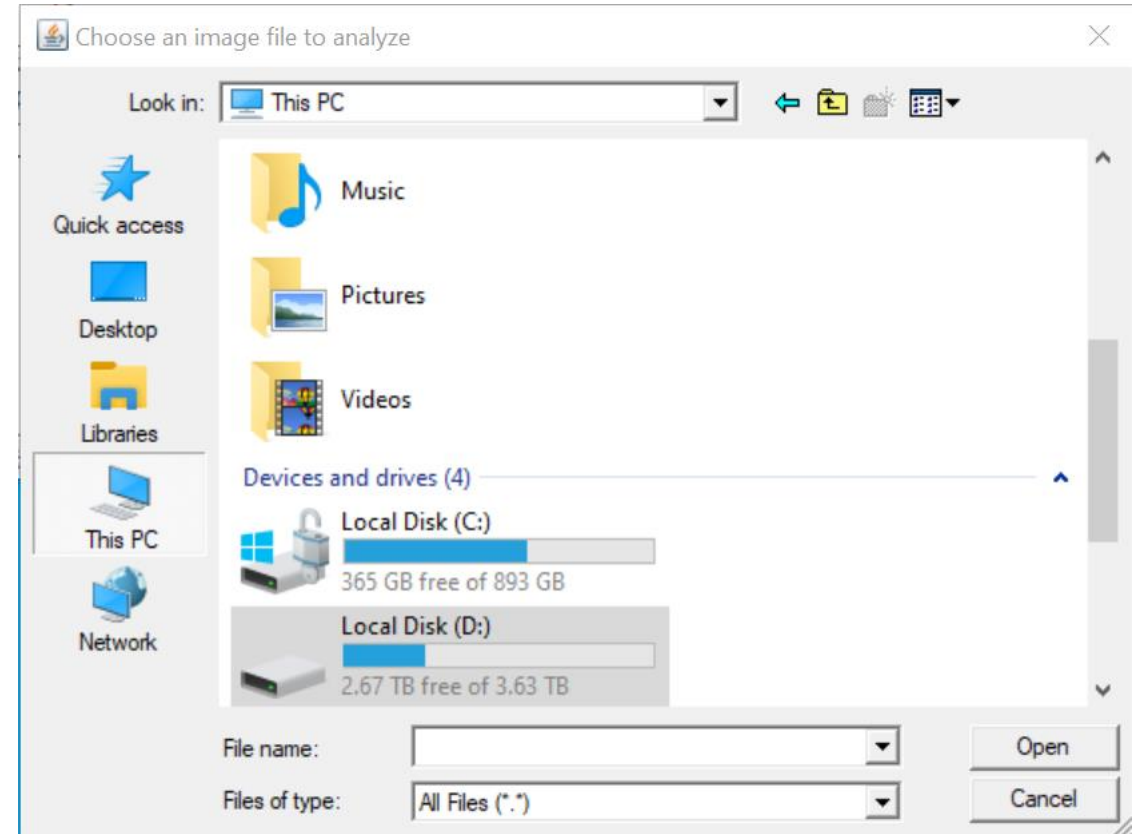
# Instruction for running the macro (1/4)

Step1: Drag and drop on the main FIJI/ImageJ window

Step2: Click 'Run' button



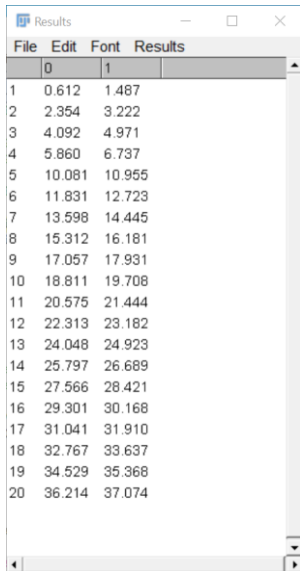
Step3: Choose the image to analyze



# Instruction for running the macro (2/4)

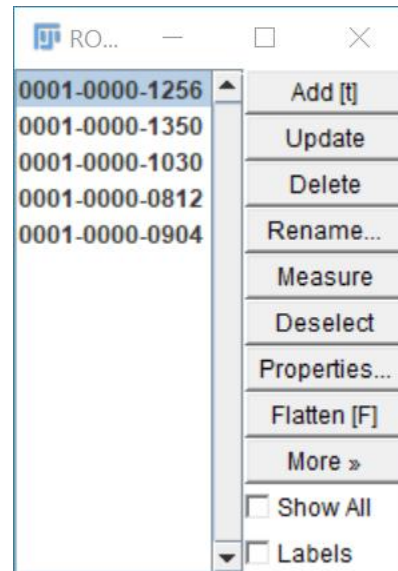
Step4: The macro will show the following three windows

- Results window that shows the time points that each image was taken. First channel will be the first column (0). This information will be useful if you used '0' for time interval.



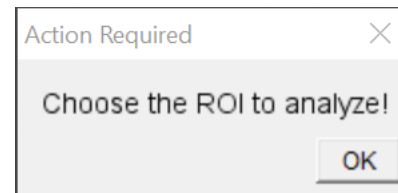
	0	1
1	0.612	1.487
2	2.354	3.222
3	4.092	4.971
4	5.860	6.737
5	10.081	10.955
6	11.831	12.723
7	13.598	14.445
8	15.312	16.181
9	17.057	17.931
10	18.811	19.708
11	20.575	21.444
12	22.313	23.182
13	24.048	24.923
14	25.797	26.689
15	27.566	28.421
16	29.301	30.168
17	31.041	31.910
18	32.767	33.637
19	34.529	35.368
20	36.214	37.074

- ROI manager that shows all the ROIs used for imaging



- Message window that says 'Choose the ROI to analyze' – select an ROI from the ROI manager and click 'OK'

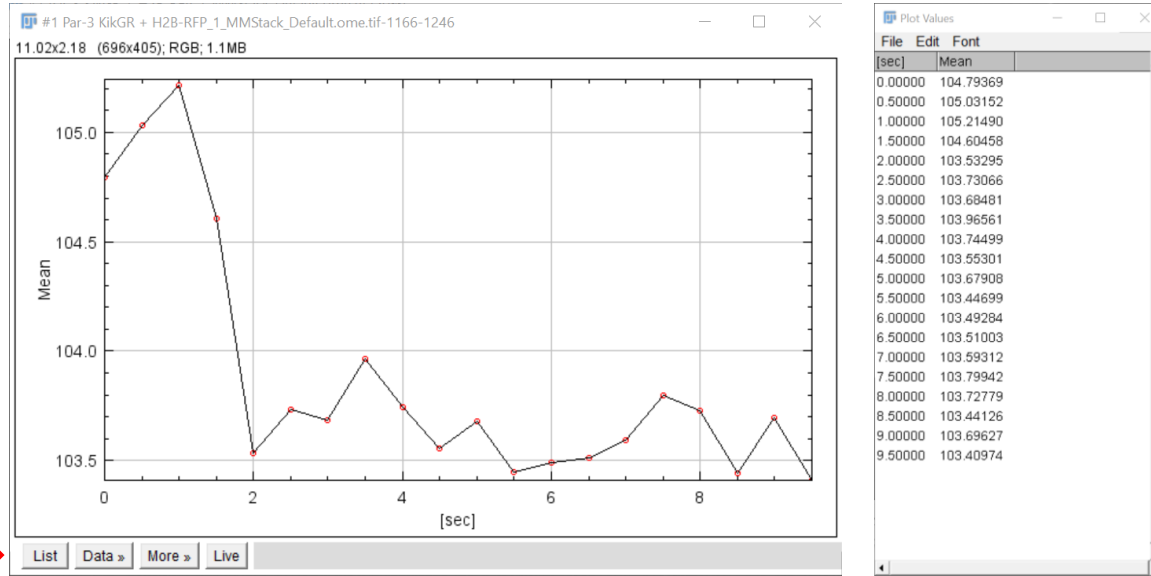
\*Also, go to the channel that you would like to analyze



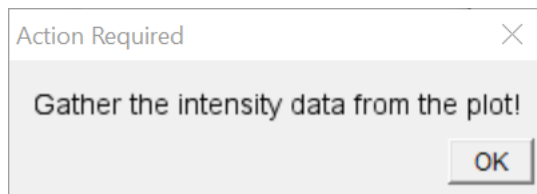
# Instruction for running the macro (3/4)

Step5: The macro will show two windows

- Plot window that shows the average intensity measurement over time – to get the actual values, click ‘List’ (red arrow)



- Message window that says, ‘Gather the intensity data from the plot!’ – if you click ‘OK’, it will close the plot window



# Instruction for running the macro (4/4)

Step6: The macro will show the message window as below

- If you want to measure another ROI, then click 'OK'
- If you want to finish the measurement for the image, click 'Cancel'

