to remotely control the image analysis computer:
download team viewer www.teamviewer.us

image analysis computer

973 646 032

password
(this changes sometimes)

1yhc55

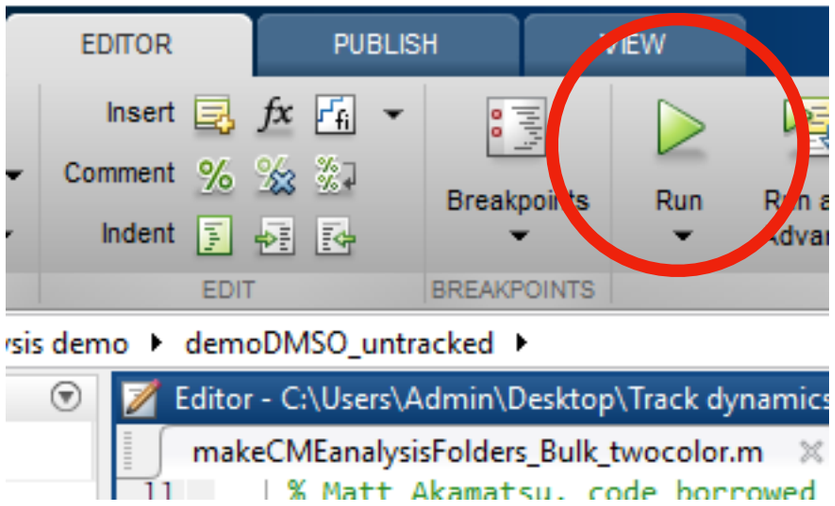
or just sit at the computer.
reserve the computer here:
http://www.brownbearsw.com/cal/AnalysisComputer

need your files organized like this:

- condition 1
  - date 1
    - cell 1
      - GFP/GFPmovie.tif
      - RFP/RFPmovie.tif

<u>do this semi-automatically by:</u>
Saving movies of each channel separately in a folder (one folder per date, no additional tif files in the folder)

Then open “makeCMEanalysisFolders_twocolor.m” in Desktop/Track dynamics/ImageAnalysisPipeline/ and click run.

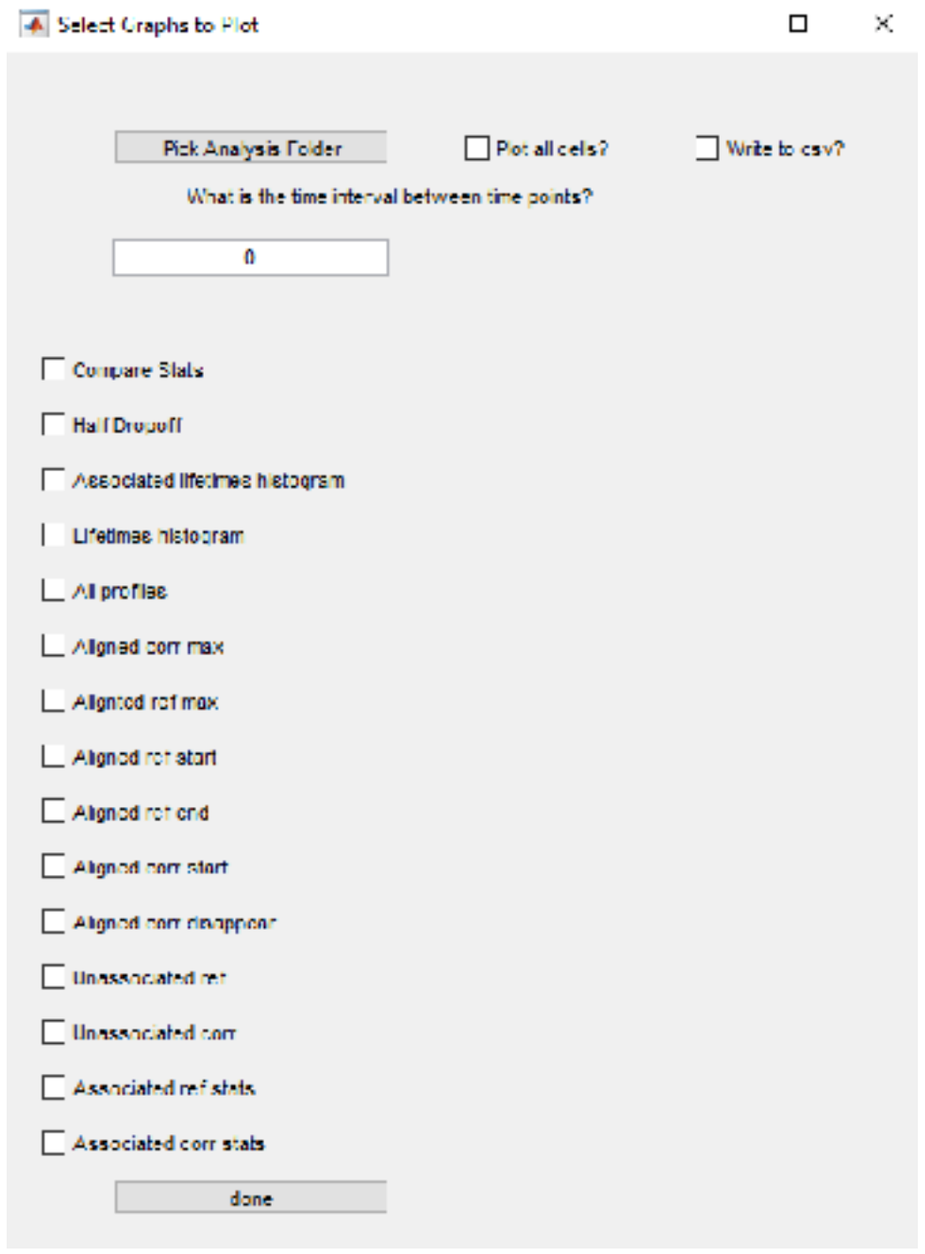


tracking

- open “runCMEanalysis.m”
    - in Desktop/Track dynamics/ImageAnalysisPipeline/ . click run.
    - select the “condition” folder. (the “top” folder above “date”). follow the prompts.
    - Wait for it to complete. if you get an error you’ve probably organized your files incorrectly.

plotting

- open up “plot_stats.m”
  - in Desktop/Track dynamics/ImageAnalysisPipeline/ . click Run.
  - click “pick analysis folder” to select your condition folder.
  - check “plot all cells”
  - type in time interval and PRESS ENTER
  - check the plot(s) you want.
    - all the “alignment” boxes plot the data with a different alignment, e.g. time 0 = when the reference track disappears.
    - “half dropoff” aligns to when one channel falls to 50% of its max intensity. I like using this alignment for dynamin.
  - click done.
    - if there’s an error your folders may not be organized properly.
  - you can save each graph with “file/save” or using the command “saveCurGraphs(‘myExperiment’,[2 4 5]) and replace myExperiment with the name of your experiment, and the numbers with the figure numbers to save.



alternatively you can use the old version of plot_stats, in Desktop/Track dynamics/ImageAnalysisPipeline/AssociationCleaningPlotting

the csv writing and compare stats don’t work yet

or: download the software to your own computer and use your own version of matlab

- download here: https://github.com/DrubinBarnes/ImageAnalysisPipeline/tree/file-linking

or clone the repository with this link:
https://github.com/DrubinBarnes/ImageAnalysisPipeline.git

password is yactin1

(this is unsupported)