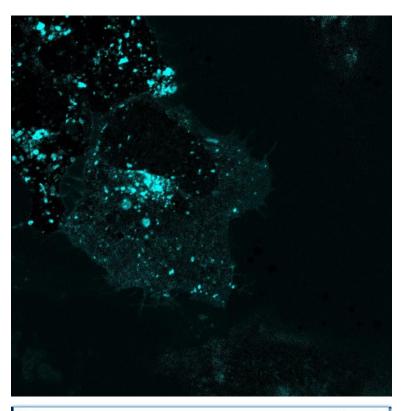
AnalyzeMultispectral Visual Guide

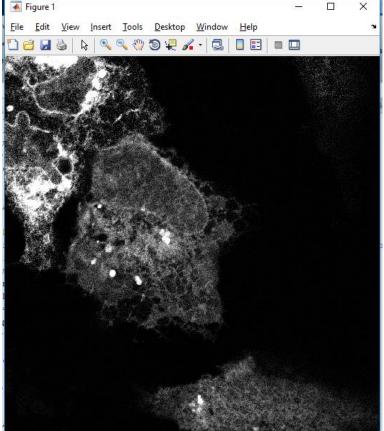
AnalyzeMultispectral is a modular image analysis pipeline designed for multispectral images, z-stacks, and time lapses. This is the accompanying visual guide for *rawSliceToMask*, a script that converts multispectral .tif files into individual, segmented images of each channel.

rawSliceToMask

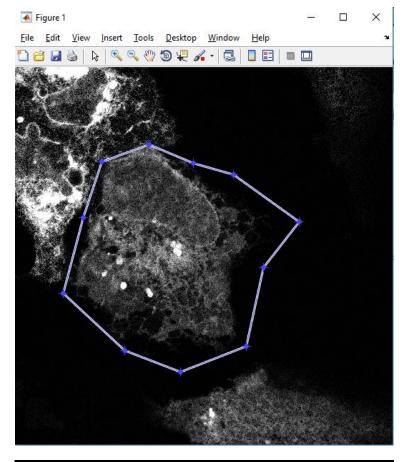
Raw image from lysosome channel, contrast adjusted.

ROI selection GUI before drawing (contrast adjusted). Channel 3, containing the ER, was selected for this.

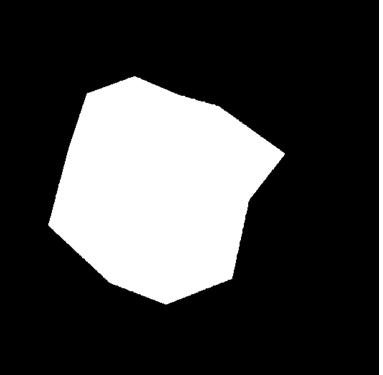




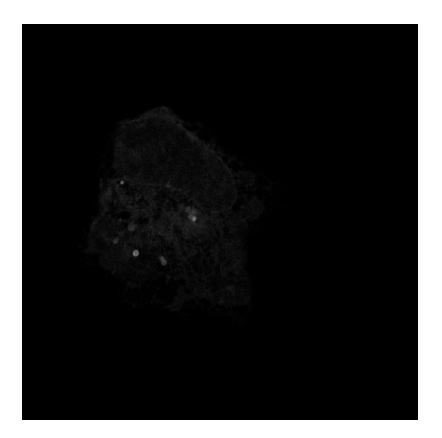
ROI selection GUI after drawing (contrast adjusted).



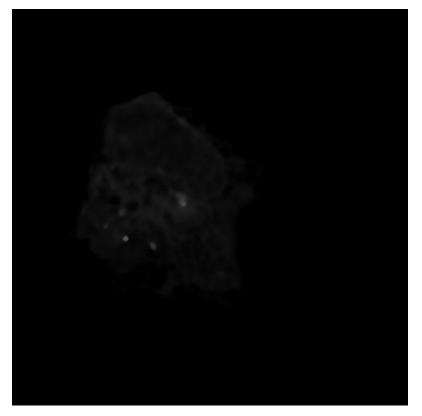
ROI binary mask



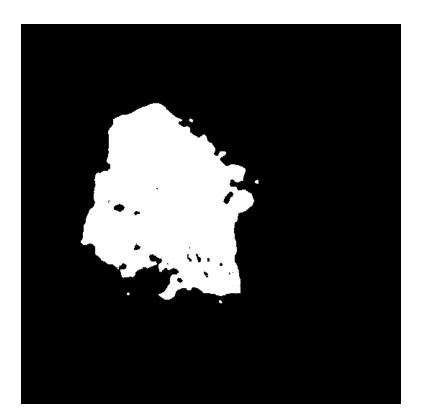
ER after applying ROI mask (contrast adjusted).



ER channel after applying median filter (r = 1.5).



ER mask after thresholding based on multithresh.



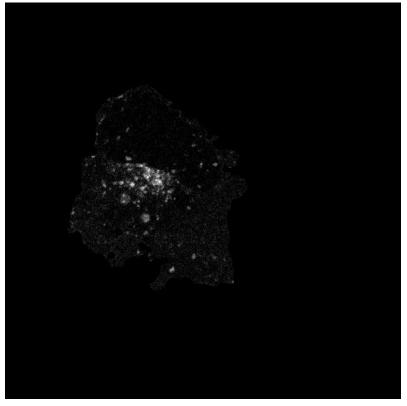
After filling holes.



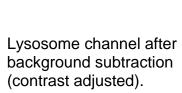
Final cell mask after deleting objects smaller than 150 pixels.

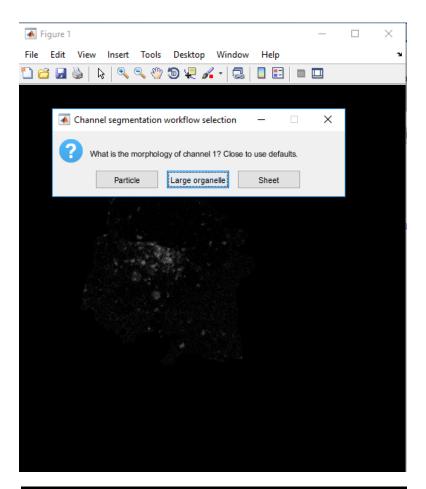


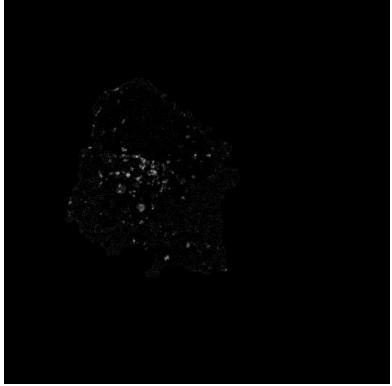
Lysosome channel (contrast adjusted) after applying cell mask.



Channel filter selection GUI.



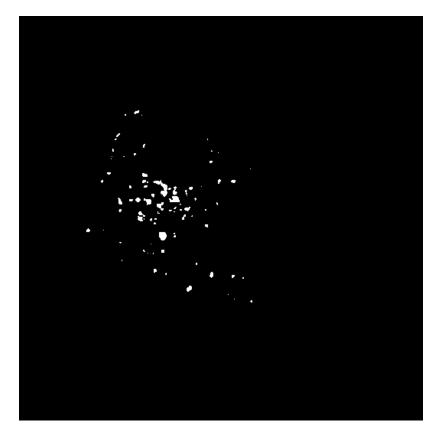




Lysosome channel (contrast adjusted) after applying Gaussian blur filter (δ = 1.5).



Lysosome mask after thresholding based on multithresh.



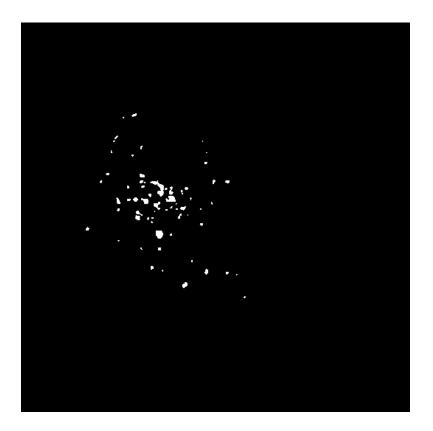
Lysosome mask after imopen erosion-dilation.





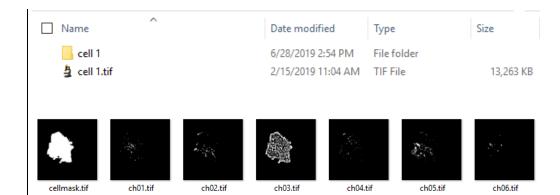






Subfolder generated by rawMaskToCounts.

Contents of subfolder.



b. maskToCounts	