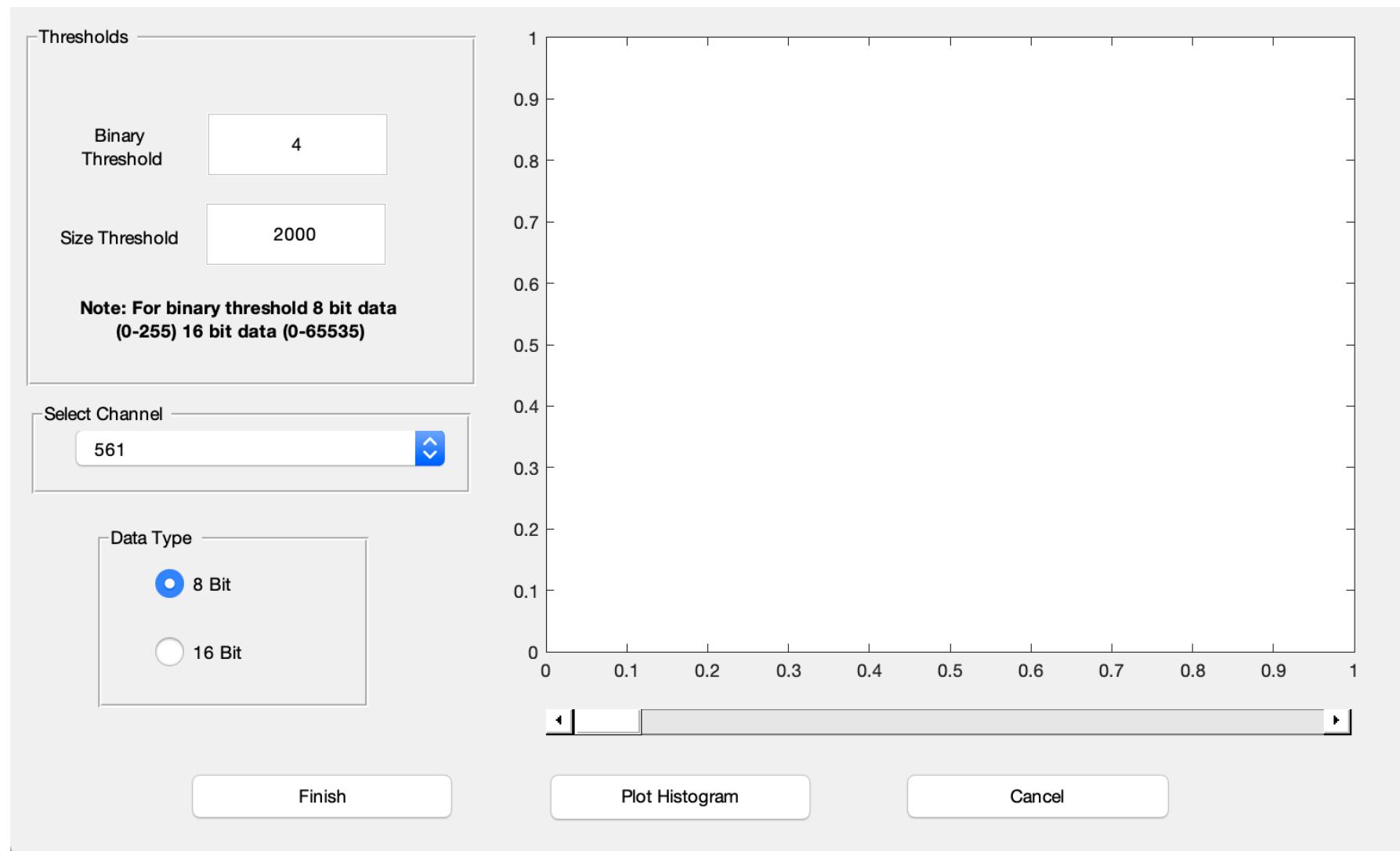


Binary Threshold

Pixels with intensity lower than the binary threshold are removed.

Size Threshold

Pixels with areas greater than the size threshold are removed.



Plot Histogram

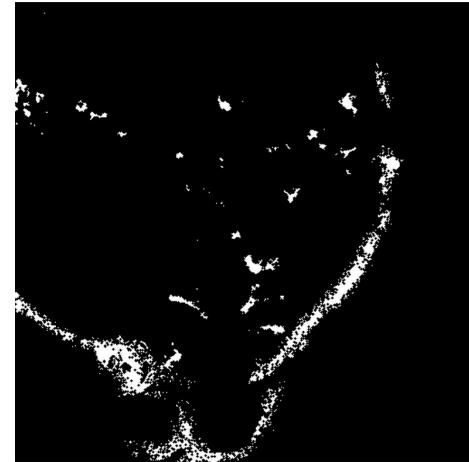
Plots a histogram of all pixel values to aid user in setting the binary threshold.

XTSkinZap function processes

Binerize (Binary Threshold)



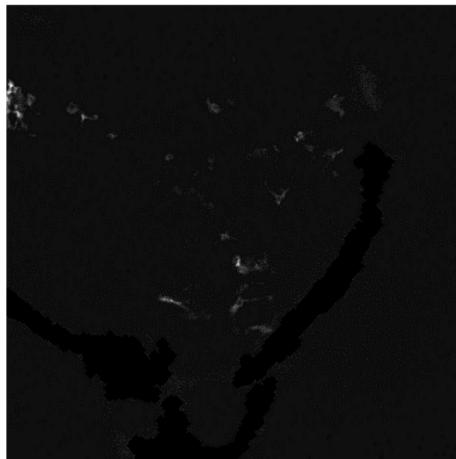
Erode



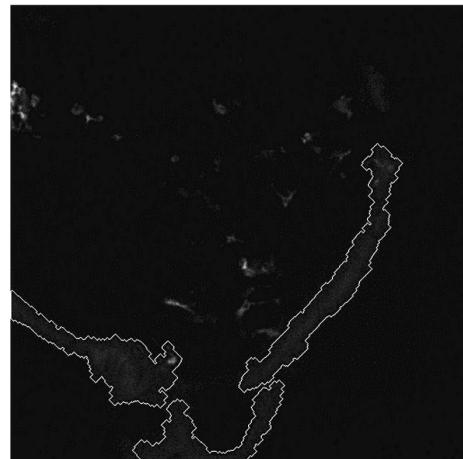
Dilate



Data Removal



Data Identification

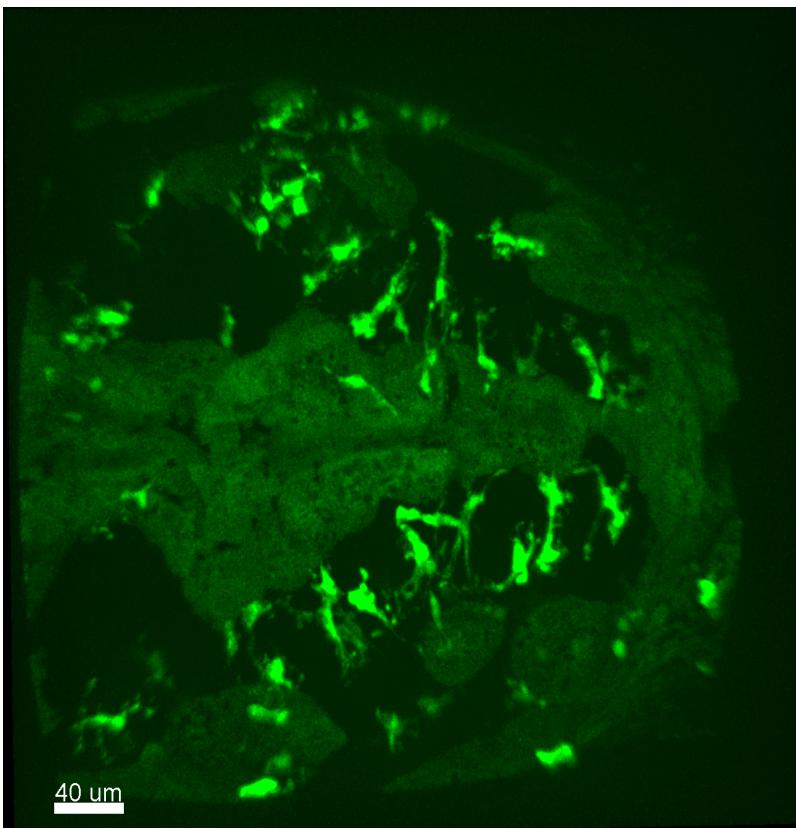


Size Filter (Size Threshold)



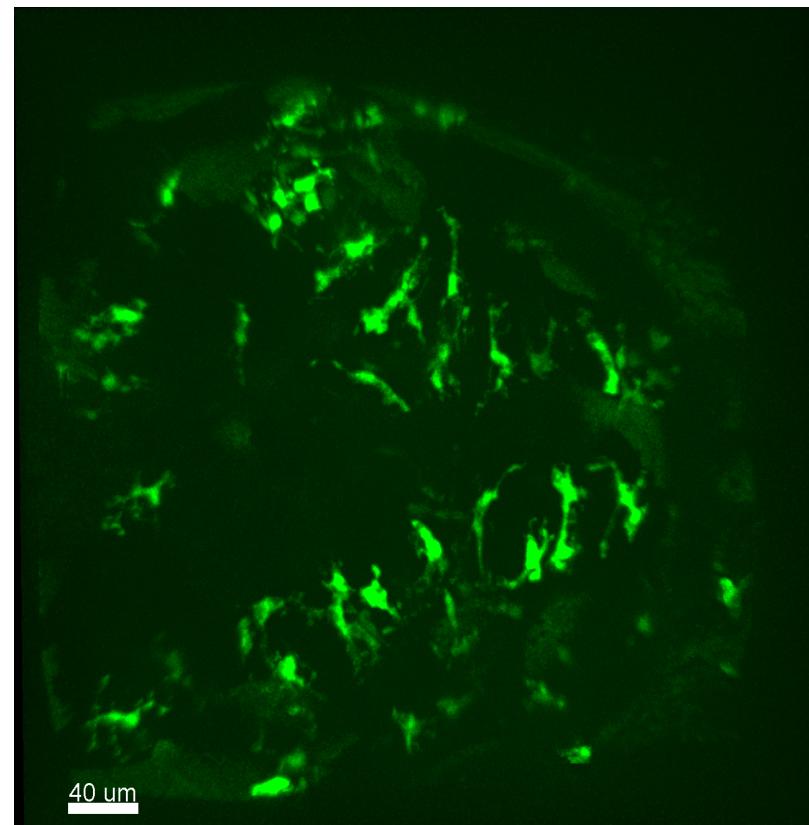
Binary Threshold = 290
Size Threshold = 2000

Before



High skin auto fluorescence inhibit clear visualization of GFP signal

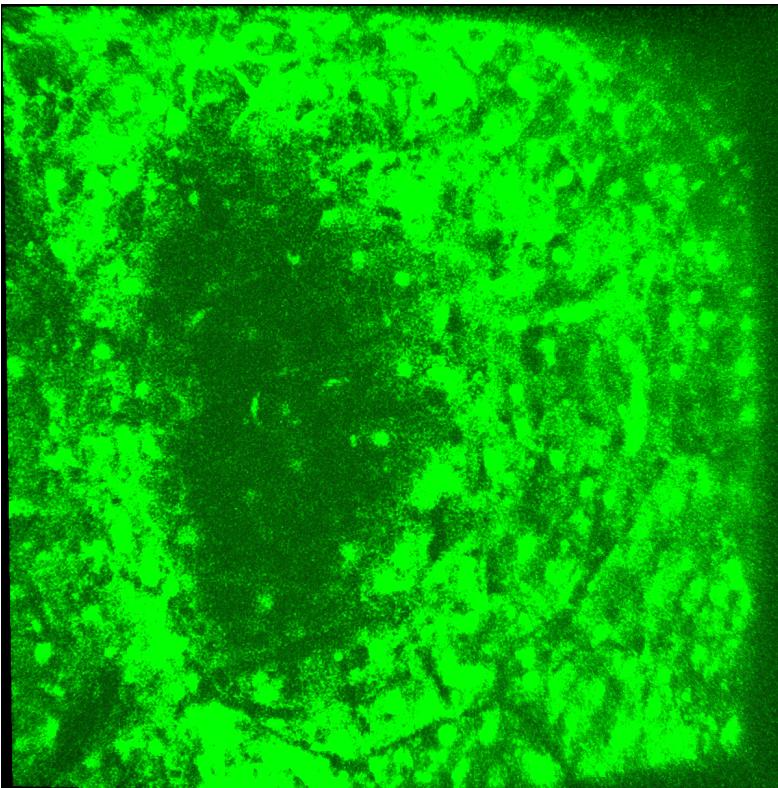
After



SkinZap removes auto fluorescent skin to reveal clearer image.

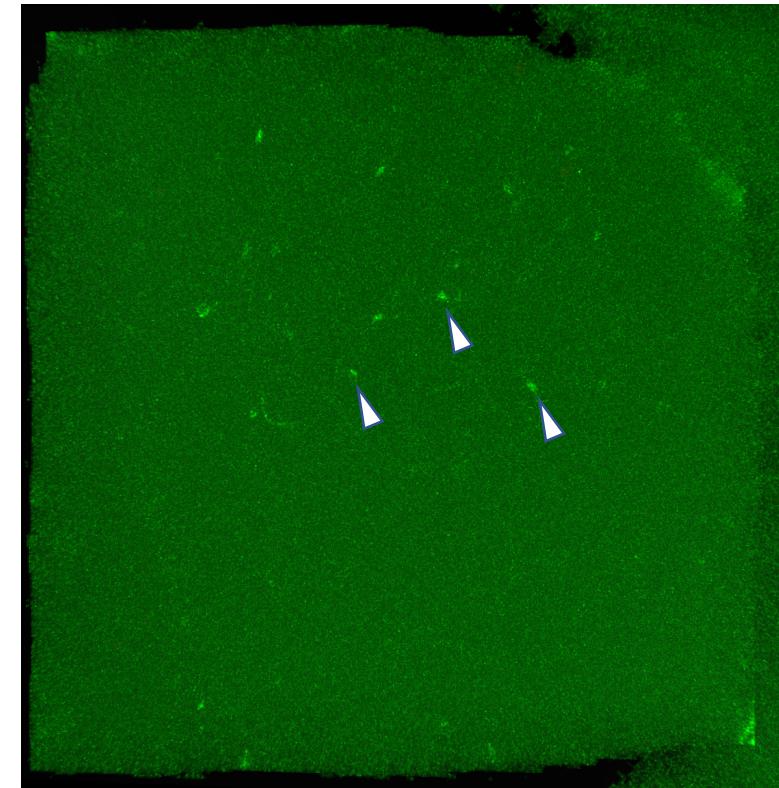
Binary Threshold = 4
Size Threshold = 2000

Before



High skin auto fluorescence inhibit
visualization of GFP signal

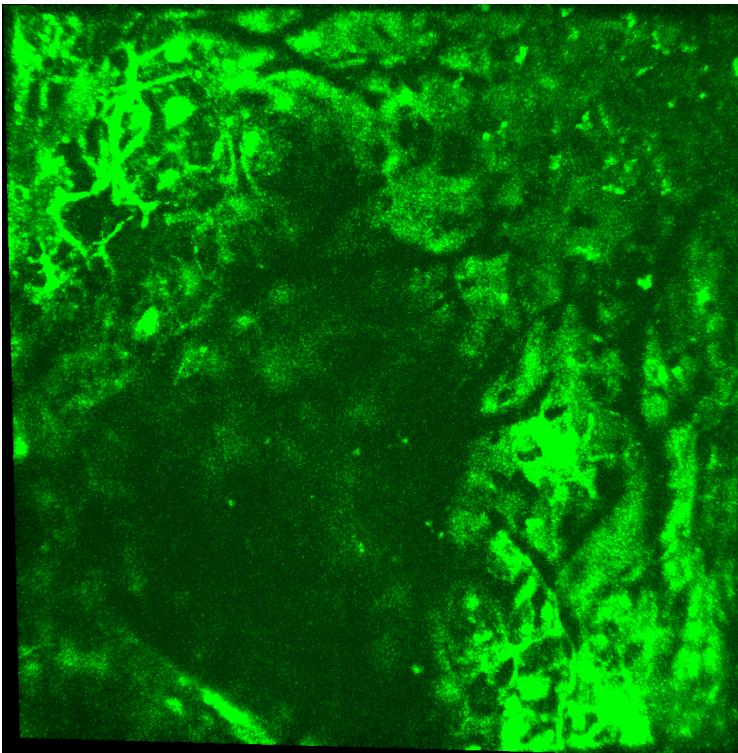
After



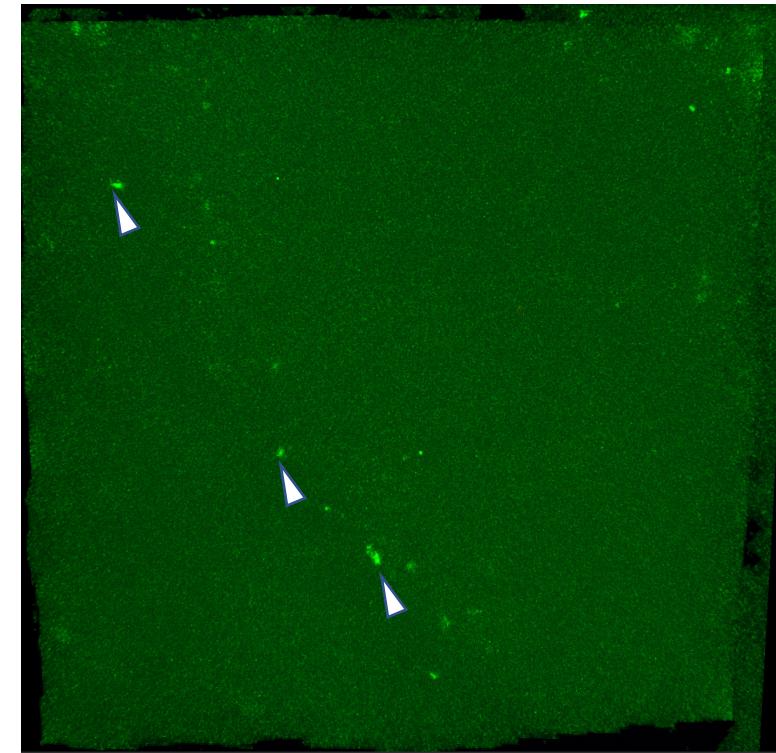
SkinZap removes auto fluorescent
skin revealing subsurface signals not
visible before (White Triangles)

Binary Threshold = 4
Size Threshold = 2000

Before



After



High skin auto fluorescence inhibit
visualization of GFP signal

SkinZap removes auto fluorescent
skin revealing subsurface signals not
visible before (White Triangles)