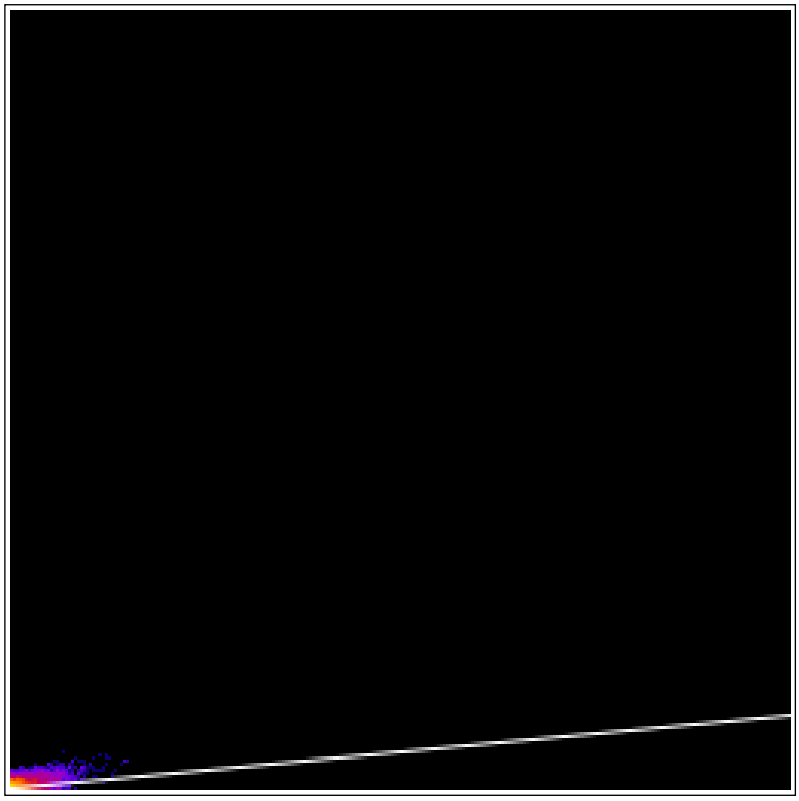
Colocalization_of_Overlay_18-3.pdf

2D intensity histogram

256.0 x 256.0

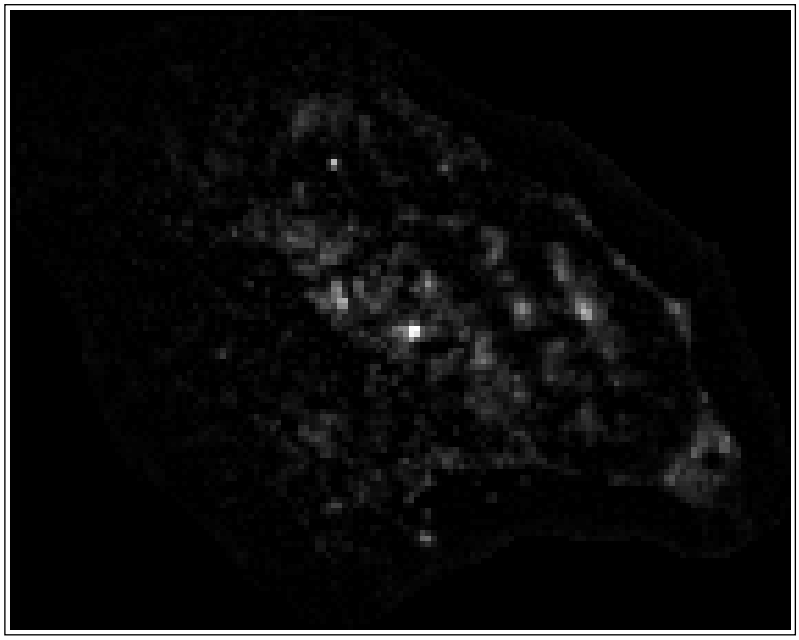


Channel 2
Overlay_2h 18-1.tif (red)

Channel 1
Overlay_2h 18-1.tif (green)

Channel 1 (Max Projection)

141.0 x 112.0



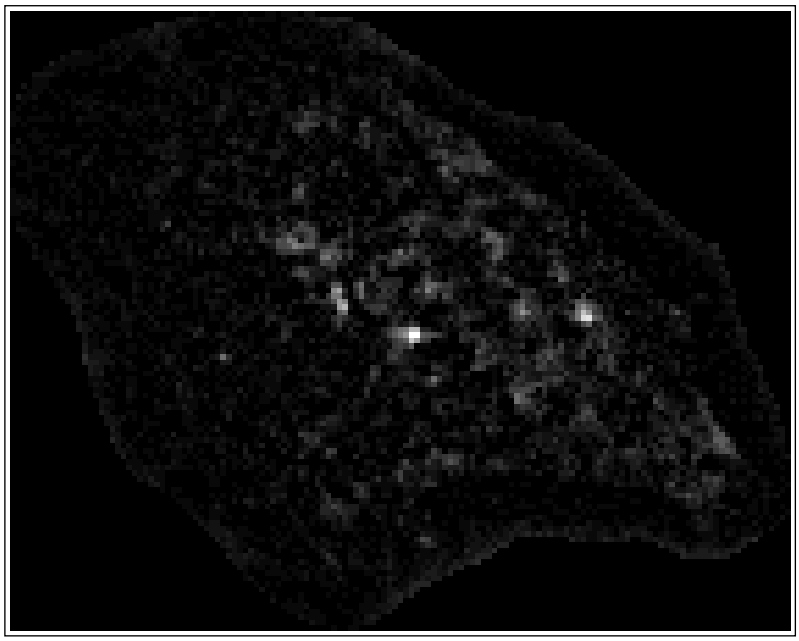
Channel 2
Overlay_2h 18-1.tif (red)

Channel 1
Overlay_2h 18-1.tif (green)

Channel 2 (Max Projection)

141.0 x 112.0

Channel 2
Overlay_2h 18-1.tif (red)



Channel 1
Overlay_2h 18-1.tif (green)

Warning! Zero-zero ratio too high - The ratio between zero-zero pixels and other pixels is large: 0.48. Maybe you should use a ROI.

Warning! y-intercept far from zero - The ratio of the y-intercept of the auto threshold regression line to the mean value of Channel 2 is high. This means the y-intercept is far from zero, implying a significant positive or negative zero offset in the image data intensities. Maybe you should use a ROI. Maybe do a background subtraction in both channels. Make sure you didn't clip off the low intensities to zero. This might not affect Pearson's correlation values very much, but might harm other results.

Warning! Threshold of ch. 2 too high - Too few pixels are taken into account for above-threshold calculations. The threshold is above the channel's mean.

Coloc_Job_Name: Colocalization_of_Overlay_2h 18-1.tif (green)_versus_Overlay_2h 18-1.tif (red)_80020093

% zero-zero pixels: 48.14

% saturated ch1 pixels: 0.01

% saturated ch2 pixels: 0.03

Channel 1 Max: 95.000

Channel 2 Max: 28.000

Channel 1 Min: 0.000

Channel 2 Min: 0.000

Channel 1 Mean: 2.240

Channel 2 Mean: 0.884

Channel 1 Integrated (Sum) Intensity: 35375.000

Channel 2 Integrated (Sum) Intensity: 13957.000

Mask Type Used: none

Mask ID Used: 80020093

m (slope): 0.25
b (y-intercept): 0.32
b to y-mean ratio: 0.36
Ch1 Max Threshold: 1.00
Ch2 Max Threshold: 1.00
Threshold regression: Bisection
Pearson's R value (no threshold): 0.73
Pearson's R value (below threshold): -0.11
Pearson's R value (above threshold): 0.61
Spearman's rank correlation value: 0.58846200
Spearman's correlation t-statistic: 91.4568
t-statistic degrees of freedom: 15790.000