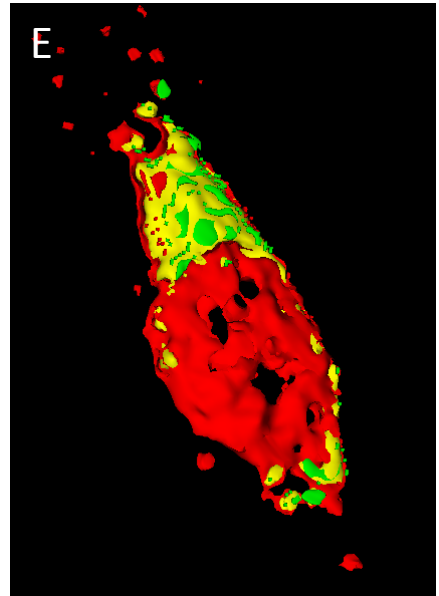
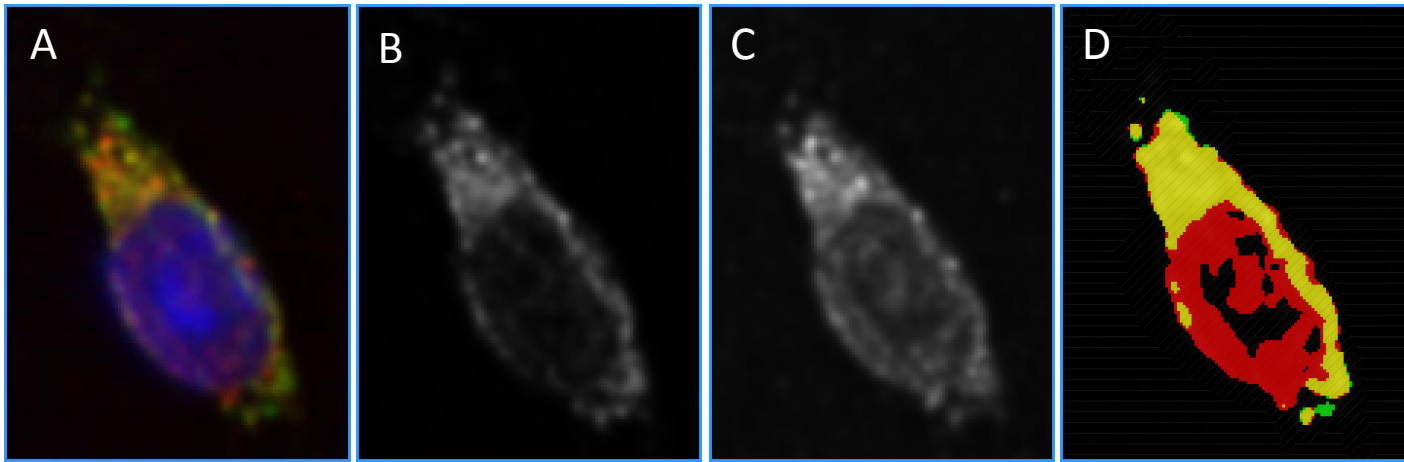


Threshold based colocalization in 3D

AIM: Determine amount of colocalization based on fixed threshold values

Input: confocal images of double labeled cells

Description: signals of two dyes were detected based on fixed threshold values, the percentage of colocalizing pixels was determined automatically on a large set of images in 3D



- A original image (DAPI, 2-color staining)
- B green only
- C red only
- D classified objects (red, green and overlay (yellow))
- E classified objects represented in 3D

- colocalizing areas
- red only areas
- green only areas

Output:

A	B	C	D	E
scene_name	%_layer1_coloc	%_layer1_only	%_layer2_coloc	%_layer2_only
nonStim 10_	91.6497739	8.350226103	34.70315591	65.29684409
nonStim 10_	79.3412495	20.6587505	72.72567447	27.27432553
nonStim 10_	76.80284553	23.19715447	58.1401074	41.8598926
nonStim 11_	76.82467065	23.17532935	71.53111935	28.46888065
nonStim 11_	59.59334104	40.40665896	72.13610586	27.86389414
nonStim 11_	81.77691654	18.22308346	37.79165338	62.20834662
nonStim 12_	75.44556962	24.55443038	70.85017355	29.14982645
nonStim 12_	60.10371049	39.89628951	87.96189341	12.03810659
nonStim 12_	89.81828507	10.18171494	40.31298187	59.68701813
nonStim 12_	95.62024055	14.27875045	65.91586267	24.10402622