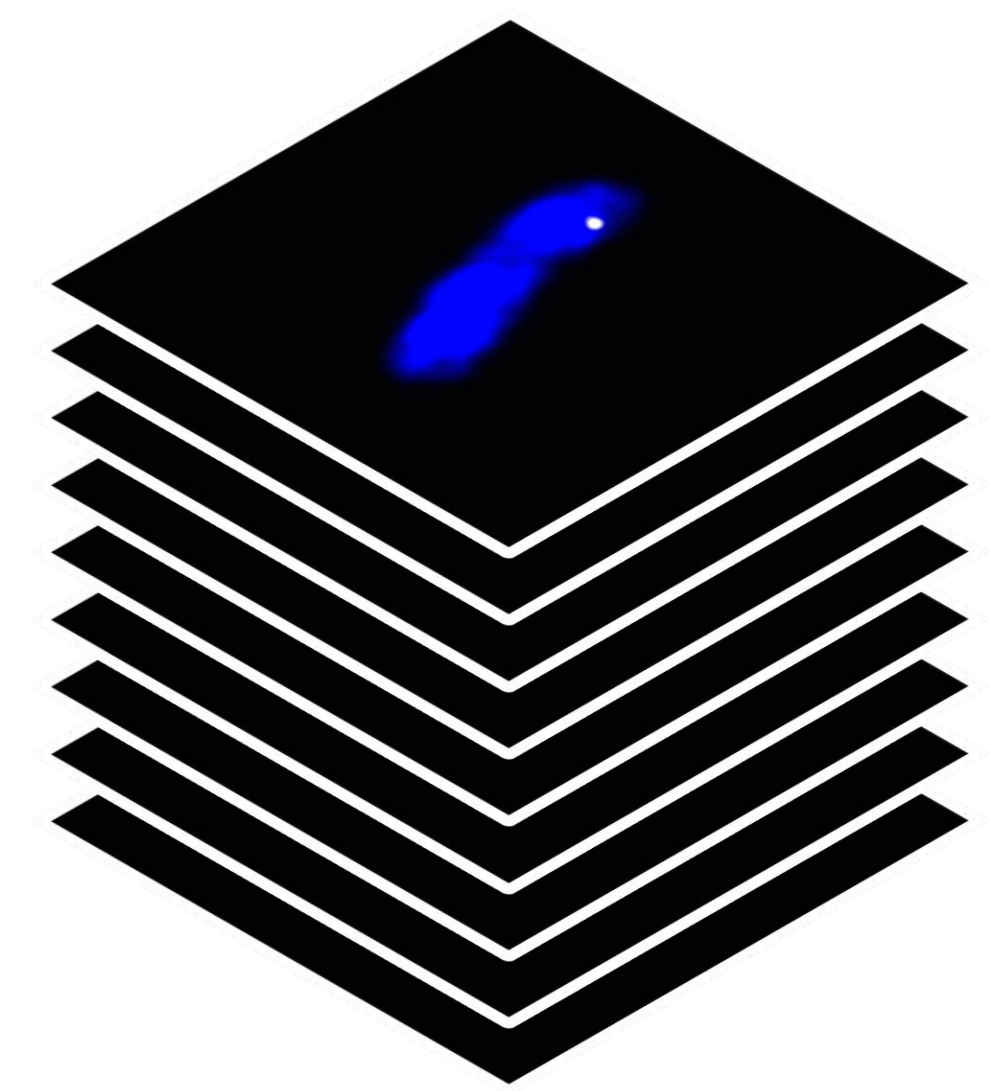


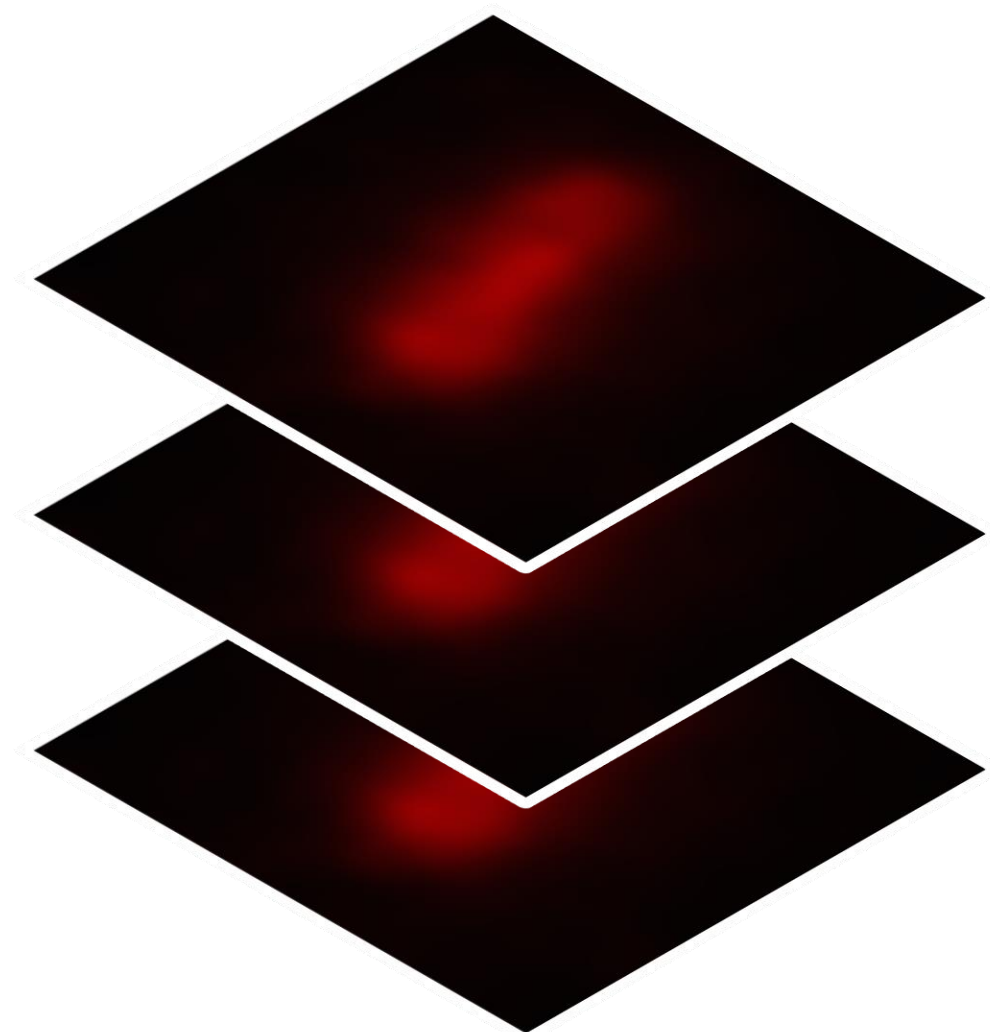
## ACQUISITION

## WIDE-FIELD - SIM CORRELATION

## QUANTIFICATION

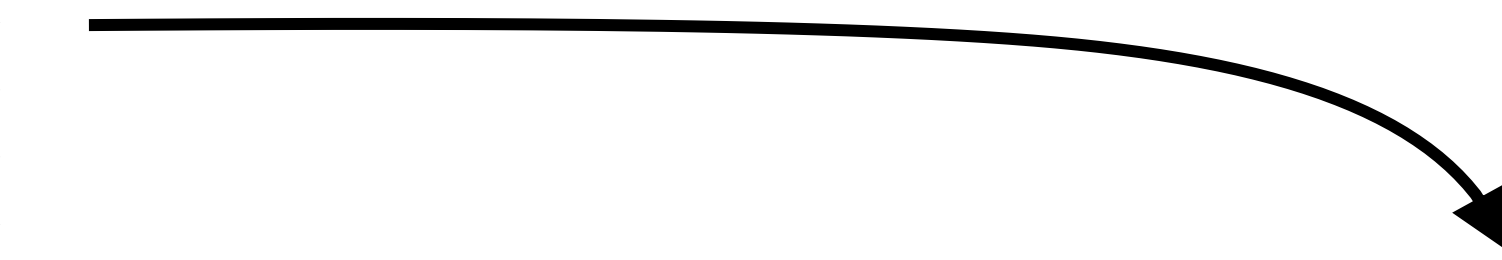


SIM<sup>2</sup> z-stack



Wide-field z-stack

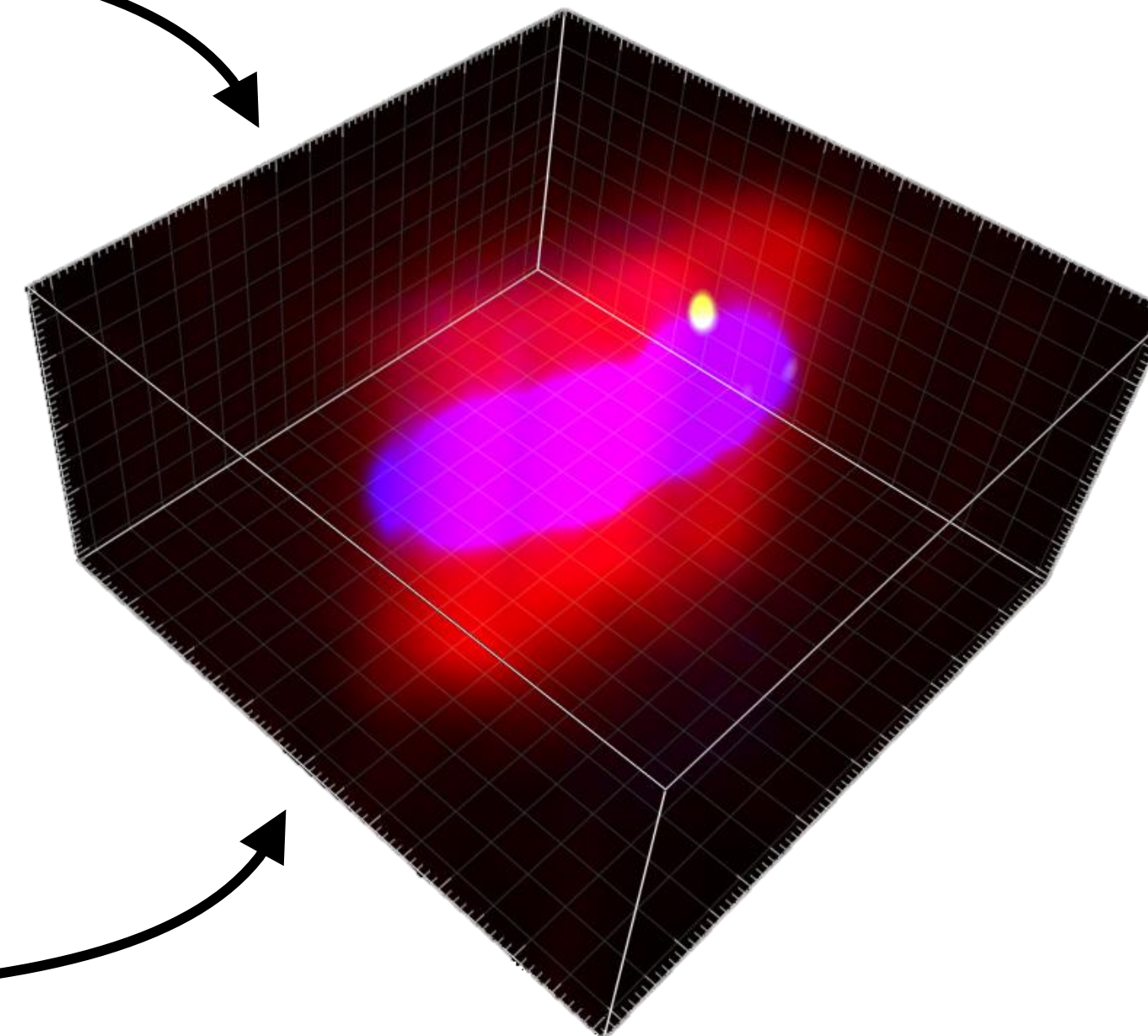
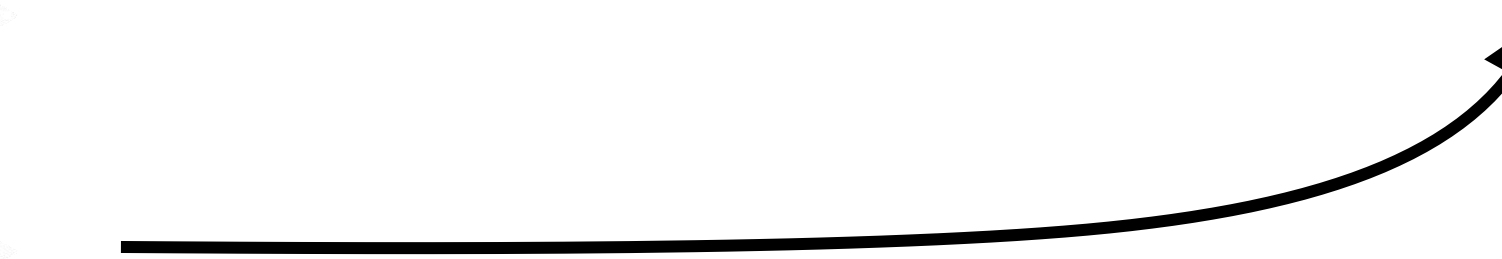
Axial distortion  
correction



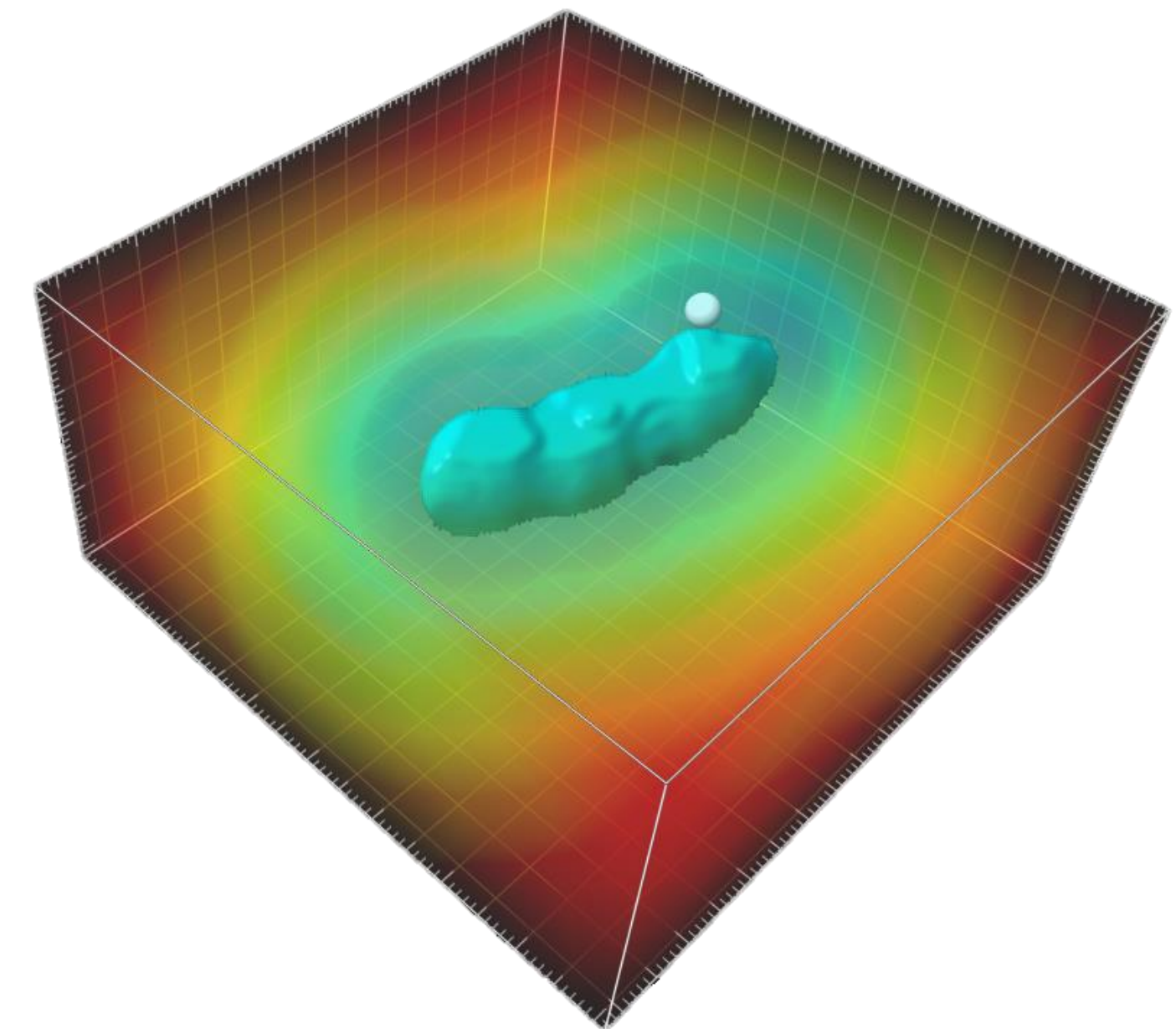
Uneven  
illumination  
correction

Sum slices

Duplicate  
slices

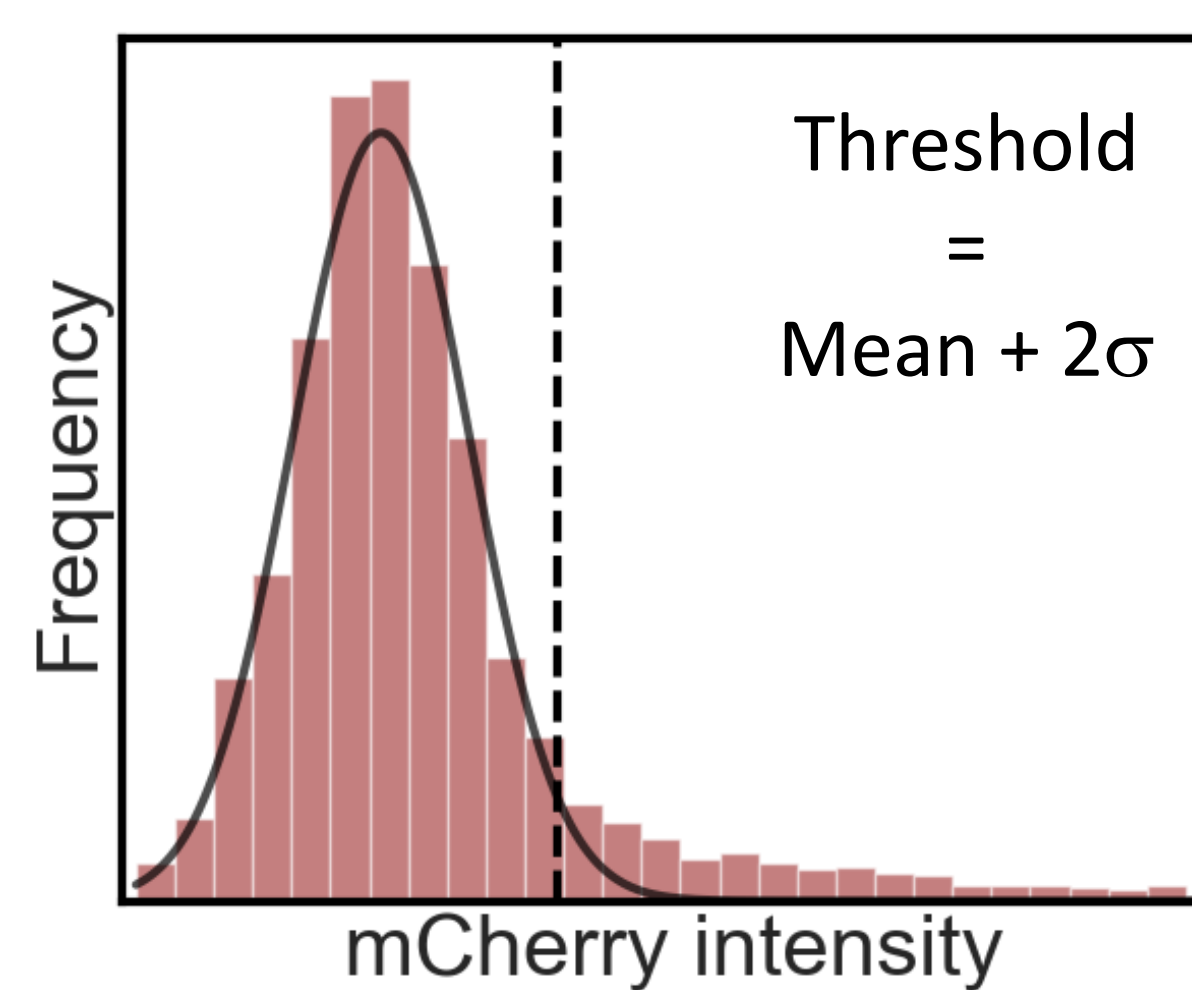
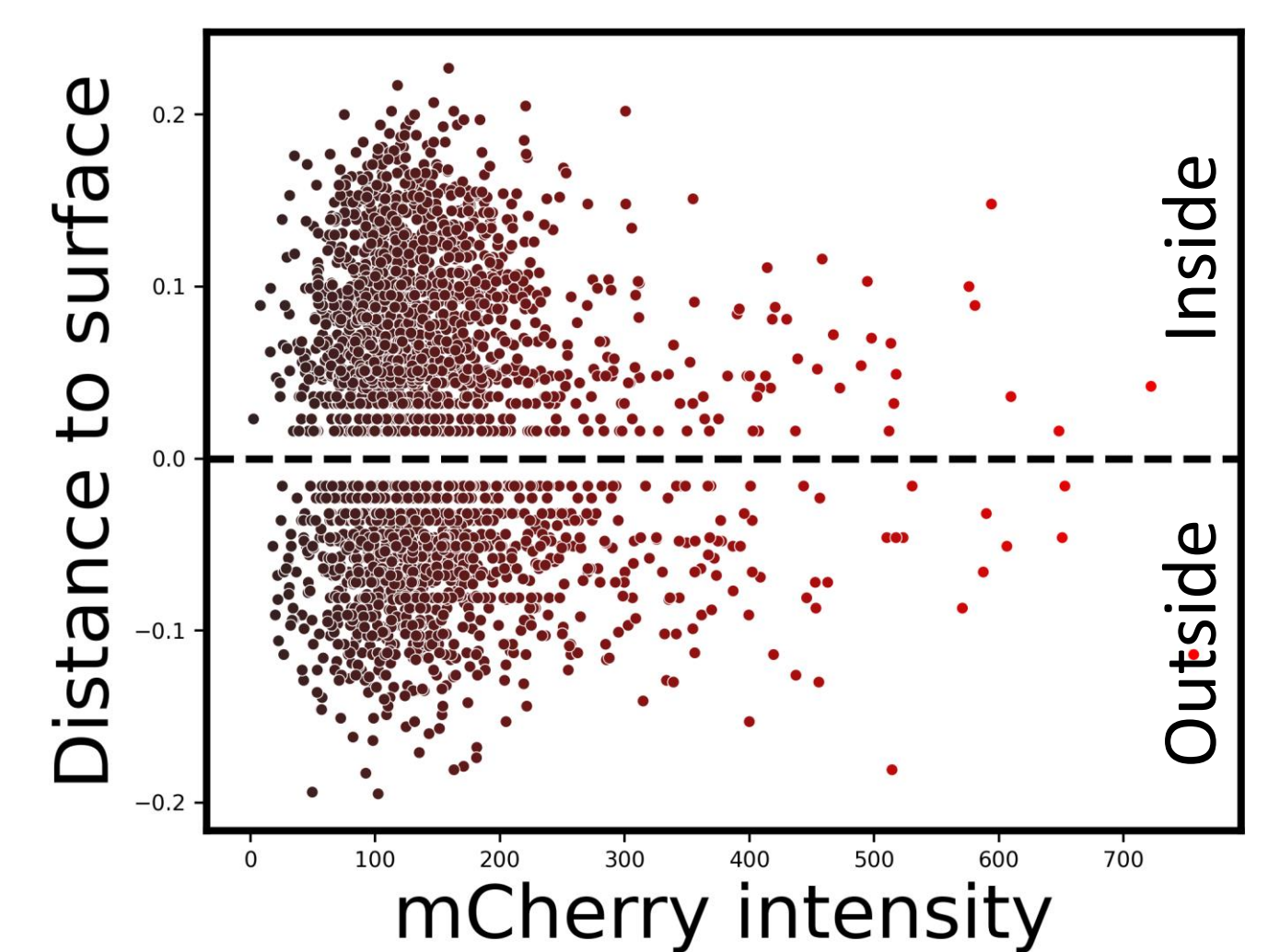


Segmentation  
(nucleoid & foci)  
Distance map computation  
(inside & outside)

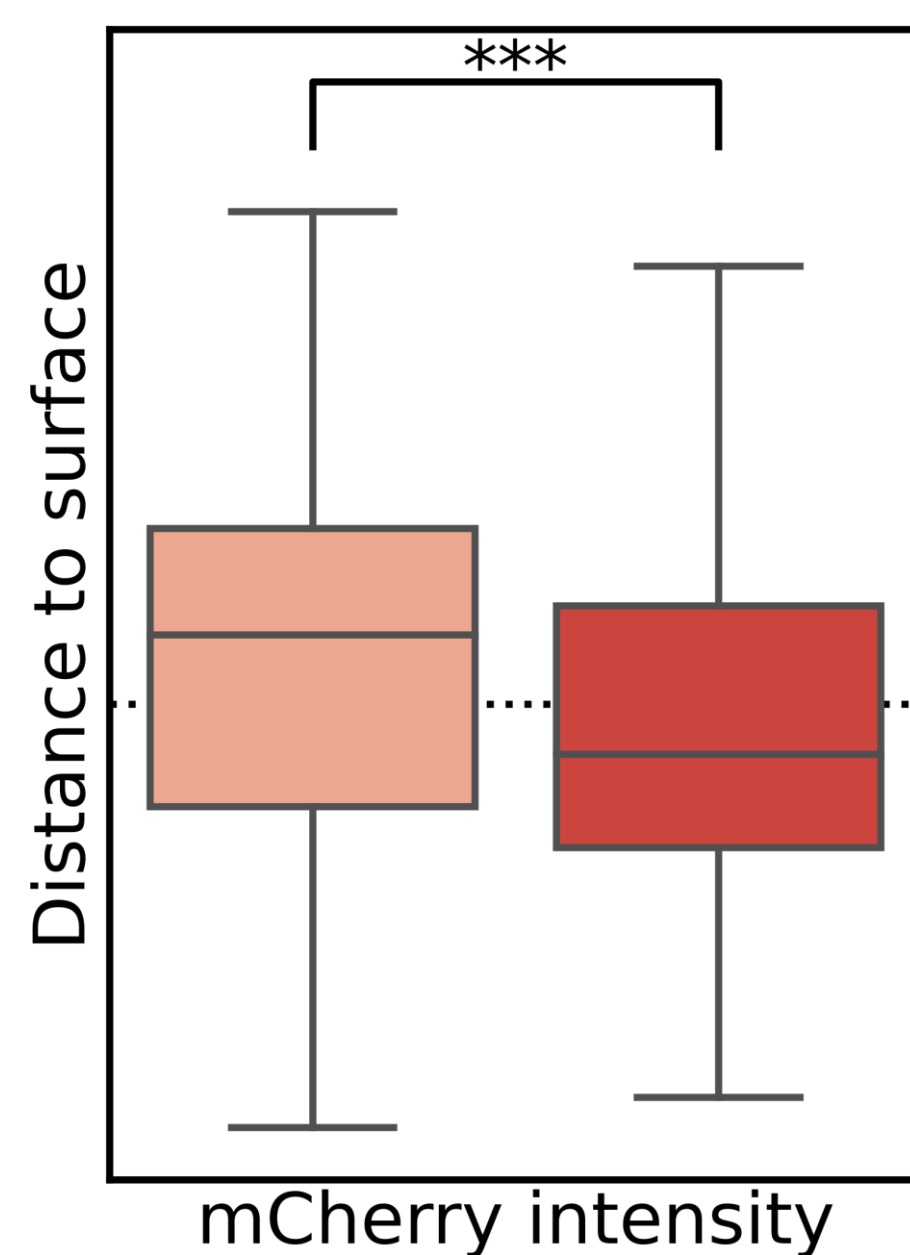


Data export

- Spot distance to surface
- Spot intensity in mCherry channel



Thresholding  
based on a two component  
Gaussian Mixture Model



Statistical analysis  
(Wilcoxon-Mann-Whitney)

## DATA ANALYSIS