**DQ-BSA quantification**

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Tools required:

FIJI/ImageJ

Steps:

1. Maximal projection images from z-stacks spanning complete cells were segmented in by using the find maxima function.
2. Then duplicated images were threshold by default algorithm.
3. The segmented and thresholder images were next combined by AND function to create a mask.
4. The mean gray values were obtained by applying analyze particle function to the mask and redirecting this whole analysis to the original images.