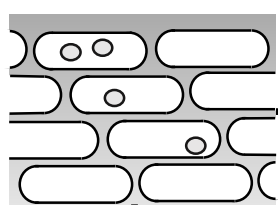
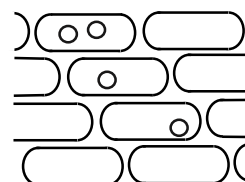


Out-of-focus image

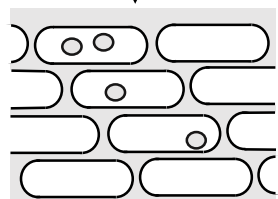


Brightness and contrast adjustment

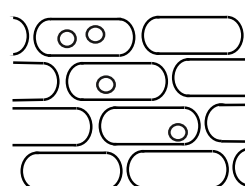


8-bit

Background correction
(division by
Gaussian blurred image)

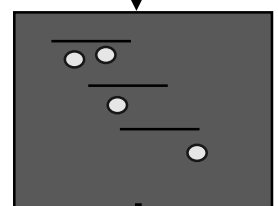


Robust automatic
threshold selection

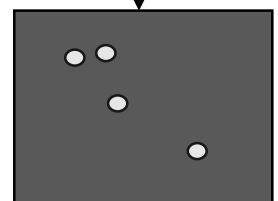


binary

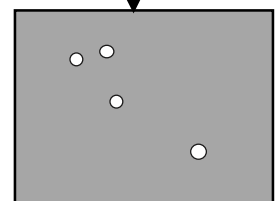
Normalization
of local contrast



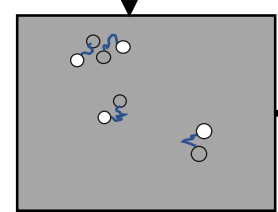
Static correction
(subtraction by pixel-wise
average image)



Cell recognition



Cell tracking



Fill holes



Micro-trench separated
single-cell tracking data