

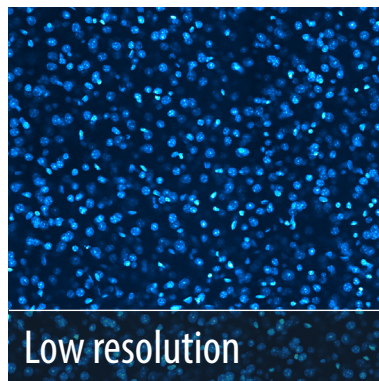


ZEN Blue

ZEISS Celldiscover 7



1) Overview



Low resolution

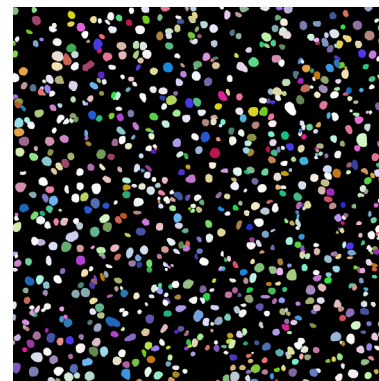


Images



Python

2) Object detection



Methods

- Thresholding
- Local maxima
- Deep learning
- ...

Outputs

- Shape
- Brightness
- Density
- Stage coord.
- ...

3) Object selection



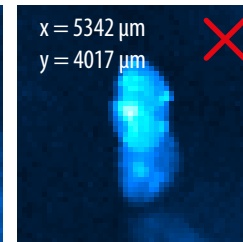
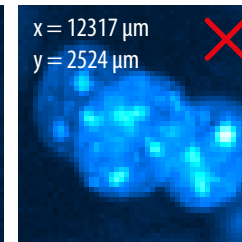
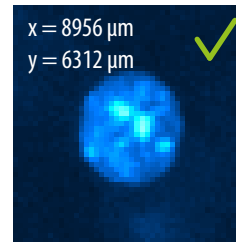
Isolated



Clustered



Wrong Shape



Stage
Coord.

4) Guided acquisition

Multi-channels



Z-stack



Timelapse



High resolution