

faim-wako-searchfirst

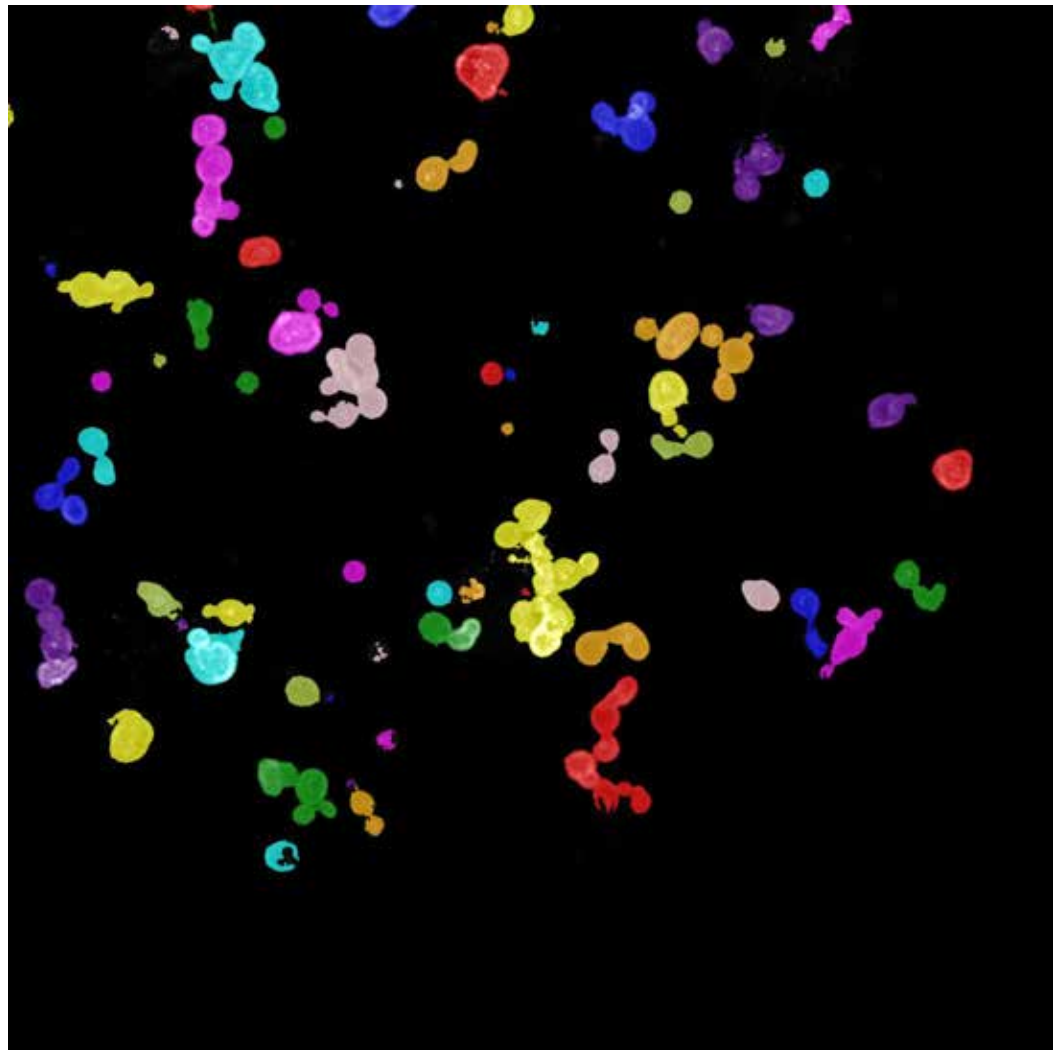
- Current config gets copied to first-pass acquisition folder
- Always edit the common `searchfirst_config.yml`
- To re-use config from previous run, overwrite the common config file

```
# Required parameters
file_selection:
  channel: C01
process: # choose method how to segment, filter, and sample the objects
  segment: threshold # choices: threshold, cellpose
  filter: [bounding_box, area, solidity, intensity]
  sample: centers # choices: centers, grid_overlap, dense_grid

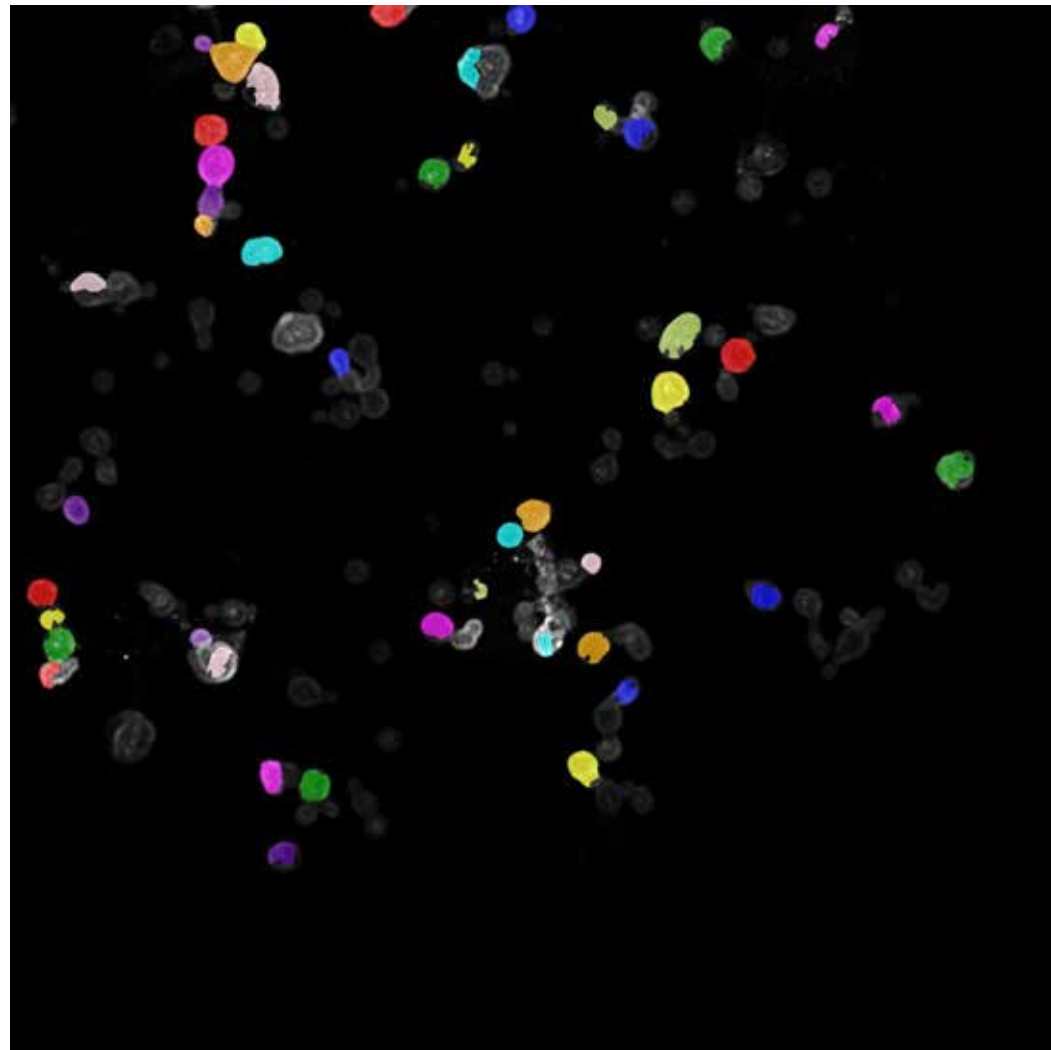
# Each subsequent section provides arguments to one of the methods defined in 'process'
threshold:
  threshold: 128
  include_holes: yes
cellpose:
  diameter: 30.0
  pretrained_model: cyto
bounding_box:
  min_x: 64
  min_y: 0
  max_x: 256
  max_y: 190
area:
  min_area: 100
  max_area: 10000
solidity:
  min_solidity: 0.9
  max_solidity: 1.0
intensity:
  target_channel: C03
  min_intensity: 128
```

faim-wako-searchfirst: segment

threshold

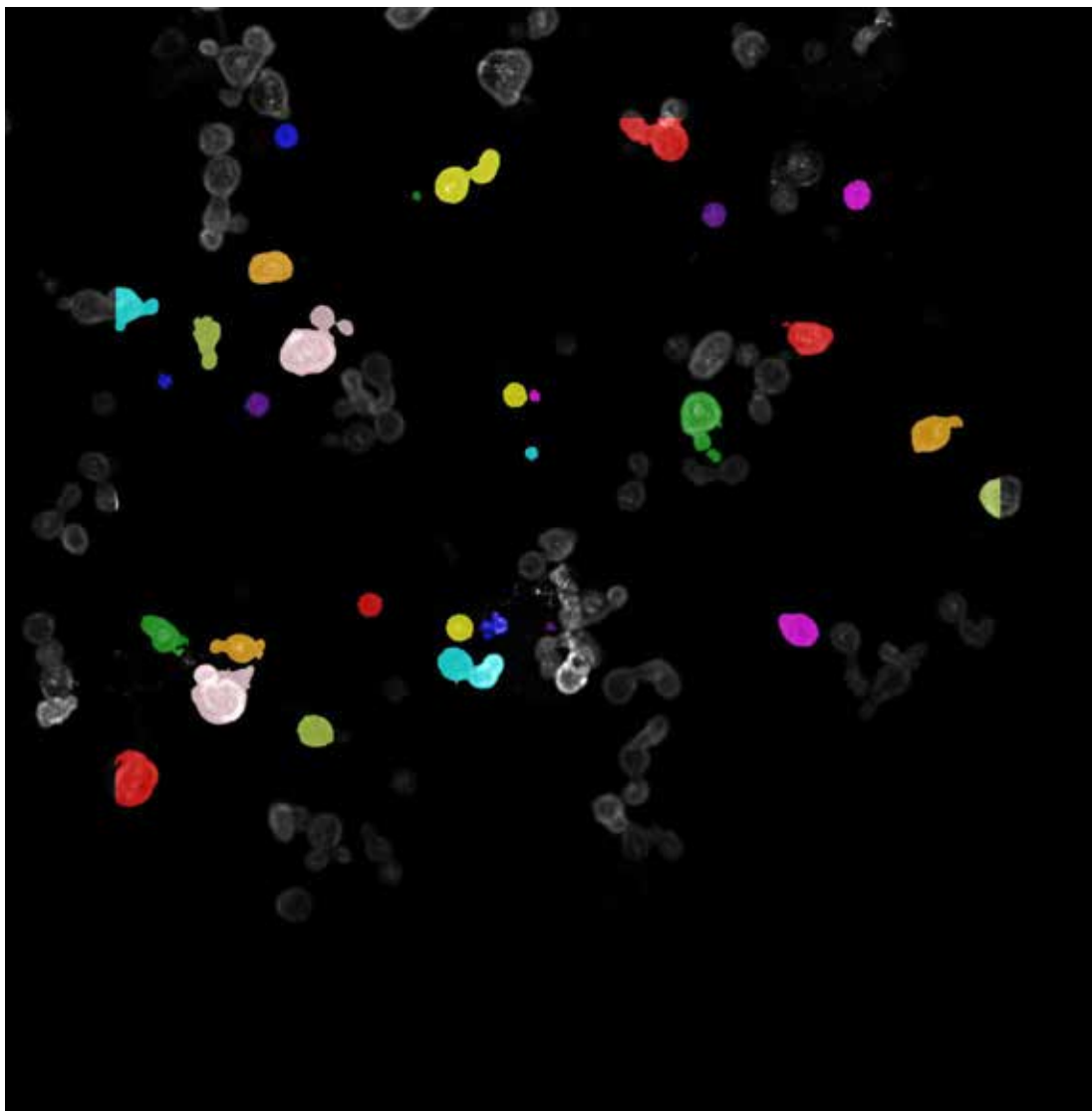


cellpose



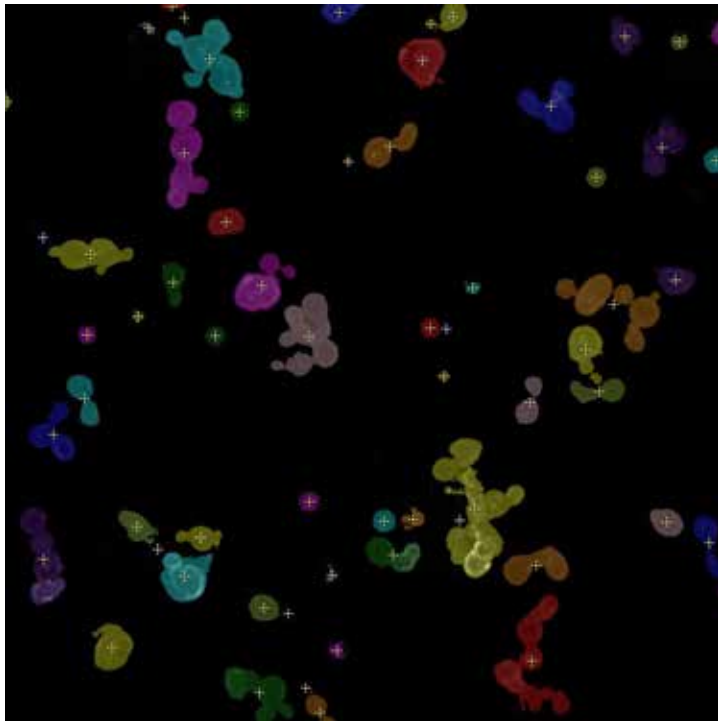
faim-wako-searchfirst: filter

```
bounding_box:  
  min_x: 200  
  min_y: 200  
  max_x: 1800  
  max_y: 1800  
area:  
  min_area: 100  
  max_area: 1000000  
solidity:  
  min_solidity: 0.8  
  max_solidity: 1.0
```



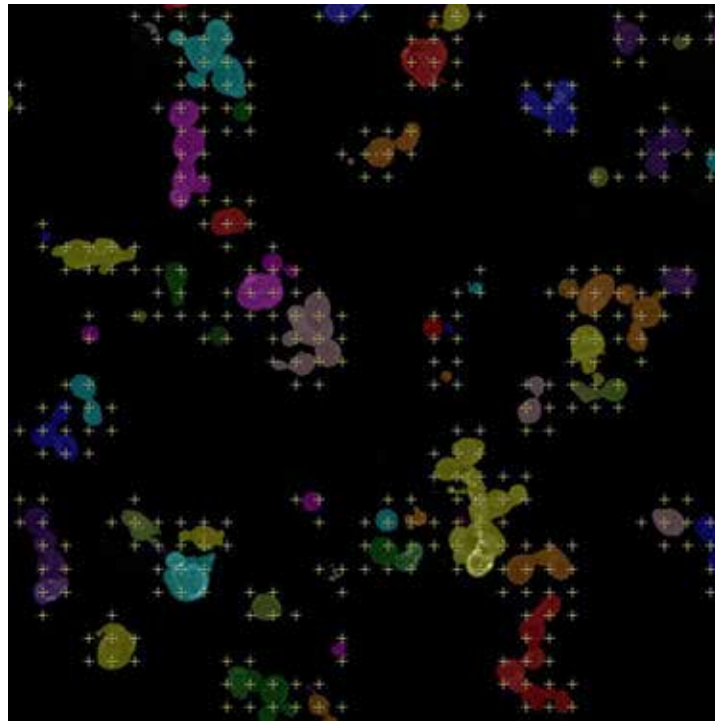
faim-wako-searchfirst: sample

centers



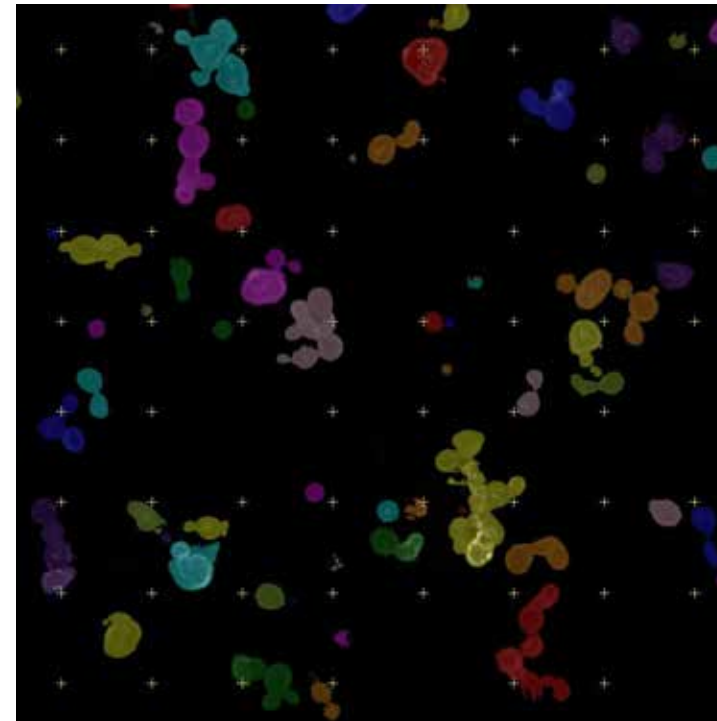
- Use with “Center All Hits” or “Grid Pattern”

dense_grid



- Use with “Grid Pattern”

grid_overlap



- Use with “Center All Hits”
- Requires overlap stitching