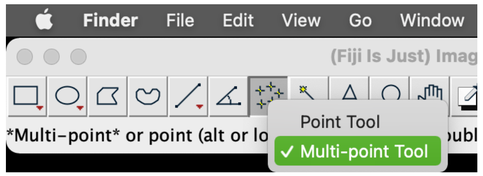
Image Analysis Collaboratory

Spot Detection
(Point tool and Find Maxima)

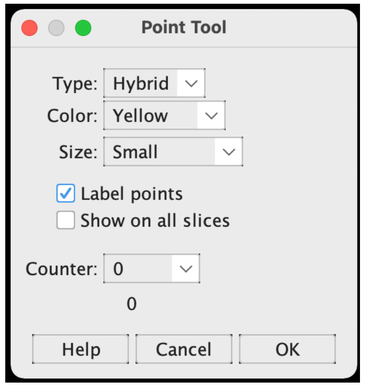
Point and Multi-Point tool

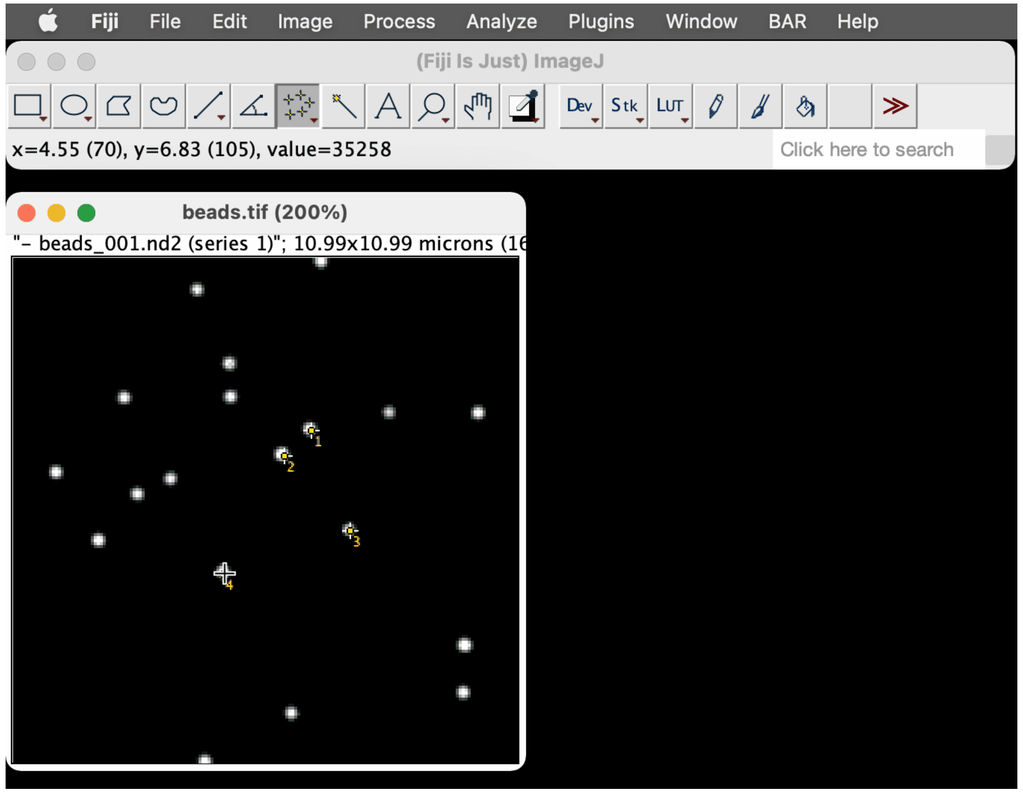
Select and Measure multiple points

Mouse right-click



Mouse double-click





to clear all points:

Edit > Selection > Select None *

(cmd) + shift + a

to measure all points:

Analyze > Measure **

(cmd) + m

to add point selection to ROI Manager:

t

**you can also toggle the "Show all" checkbox in the ROI Manager.*

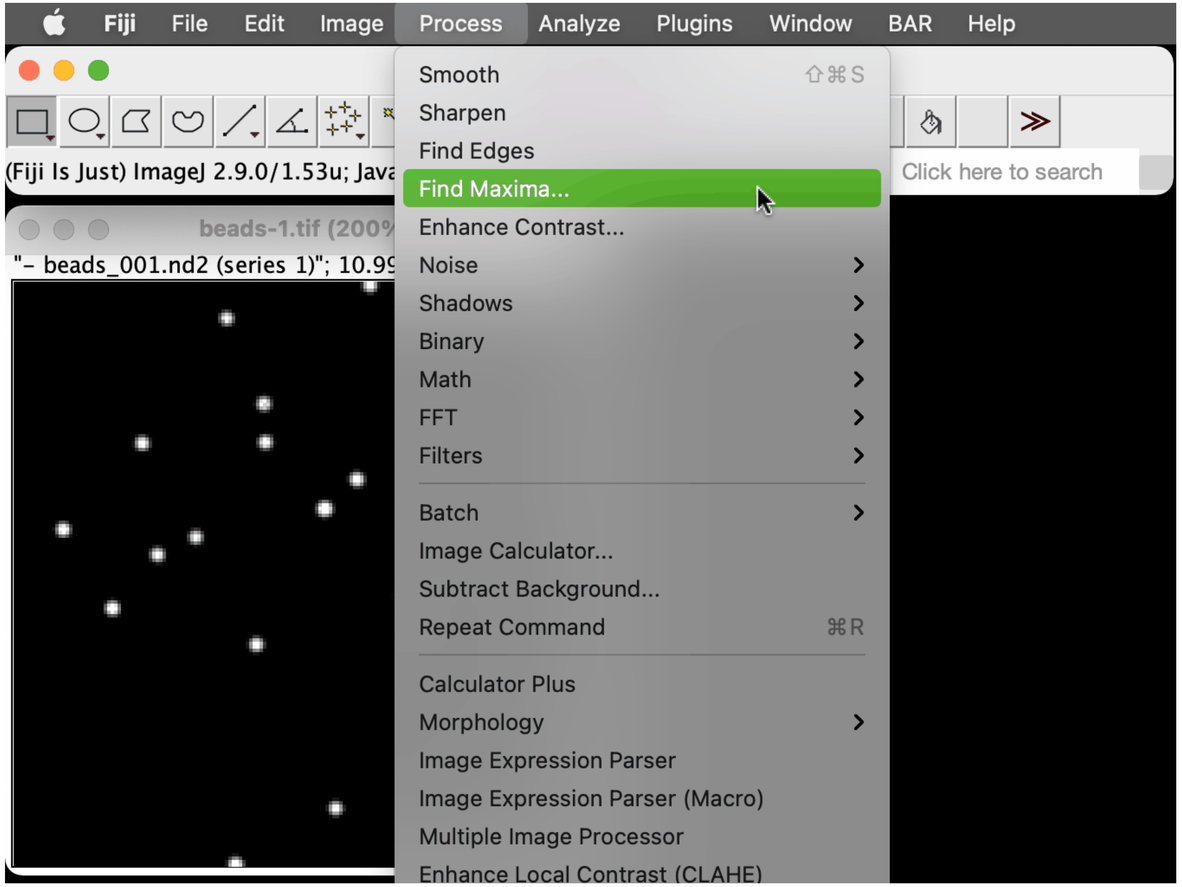
***you can also use the "Measure" button in the ROI Manager.*

Image Analysis Collaboratory

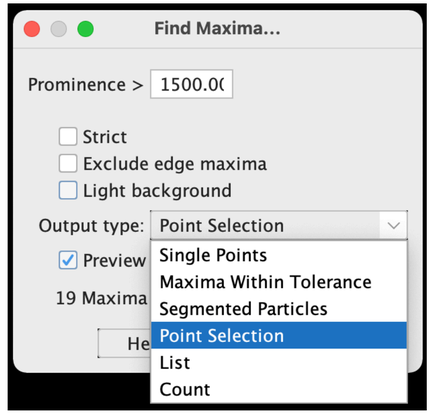
"Process" menu

Point and Multi-Point tool

Select and Measure multiple points



Process > Find Maxima...



Segmentation with pixel based classifier—exercises

5.1 - Manual spot detection with the Multi-point Tool

5.2 Algorithmic spot detection with Find Maxima

5.3 Automatic spot segmentation with thresholding

5.4. Spot detection with noise

5.5. Spot detection with variable background

Further Learning (https://iac.hms.harvard.edu/resources/)

image.sc

Forum: Knowledge exchange and support

- https://forum.image.sc/

Online book with code: Introduction to Bioimage Analysis

- https://bioimagebook.github.io/

Online training: NEUBIAS Academy

- https://eubias.org/NEUBIAS/training-schools/neubias-academy-home/
- https://www.youtube.com/c/NEUBIAS

Fiji manual from Monash University

- https://bridges.monash.edu/articles/educational_resource/Fiji_Training_Manual_v6_4_/20033513

BioImaging North America (BINA)

- https://www.bioimagingnorthamerica.org/