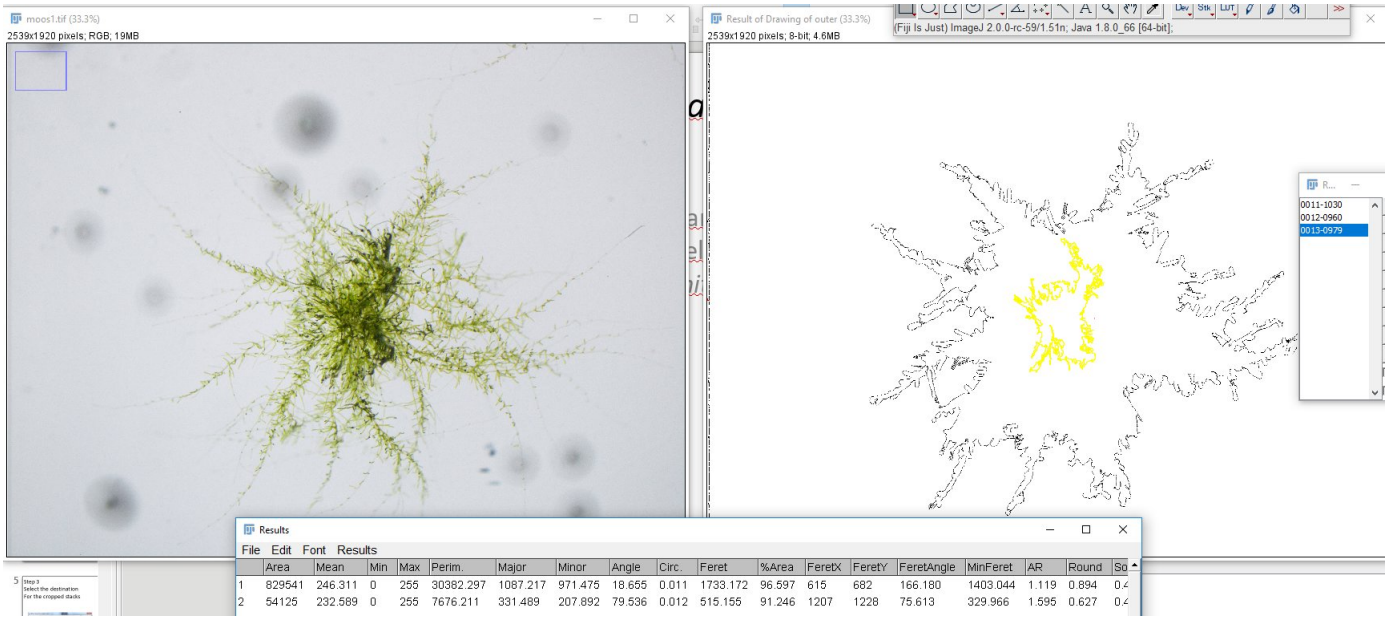
Physcomitrella Measure Plugin

Find areas of high and low density in brightfield images of *Physcomitrella*



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Requirements

You need single brightfield images of Physcomitrella (or similar looking) material

20C_4

20C_5

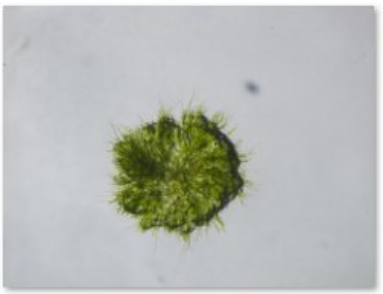
20C_6

20C_7

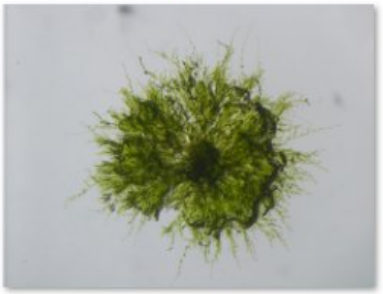
20C_8

28C_1

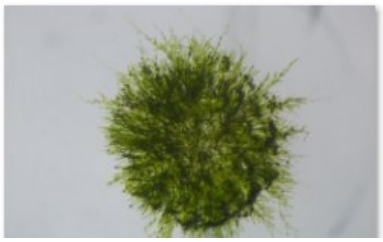
28C_2

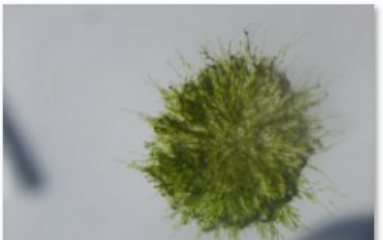


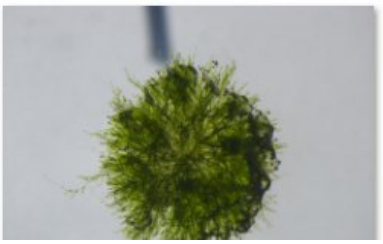
28C_3



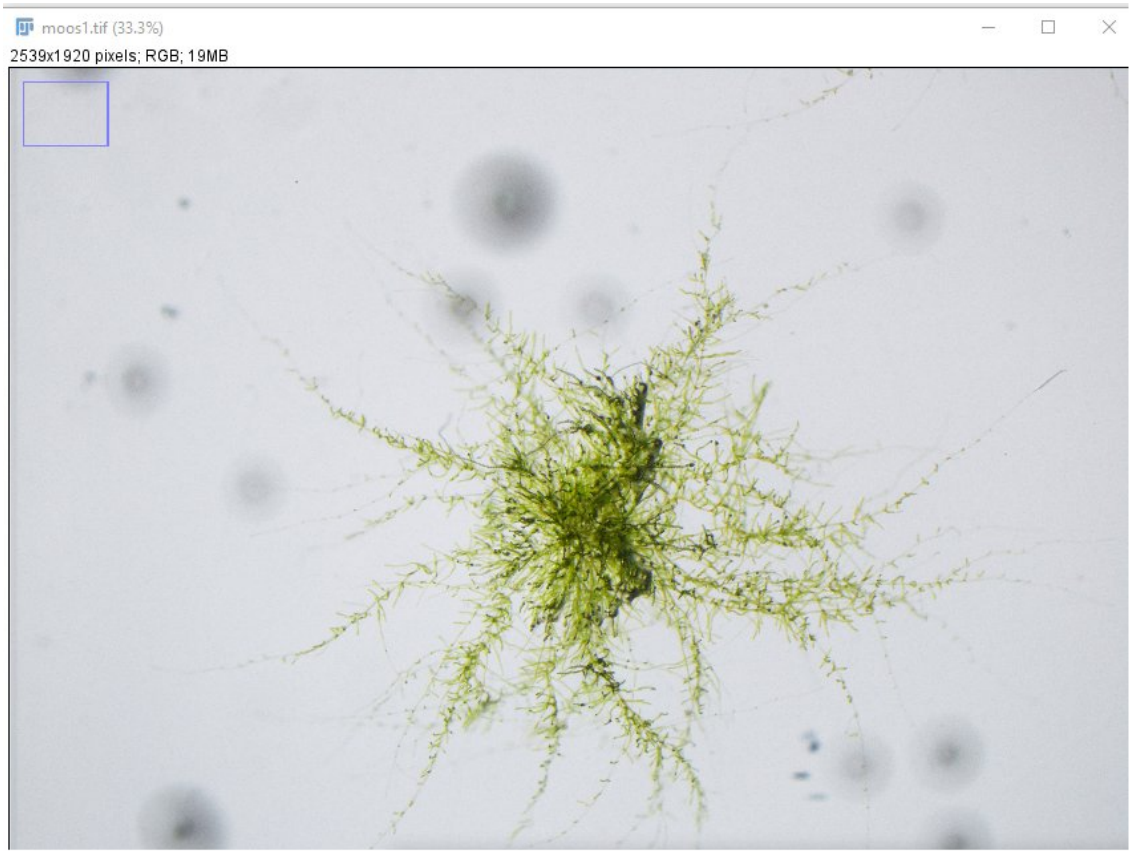
28C_4



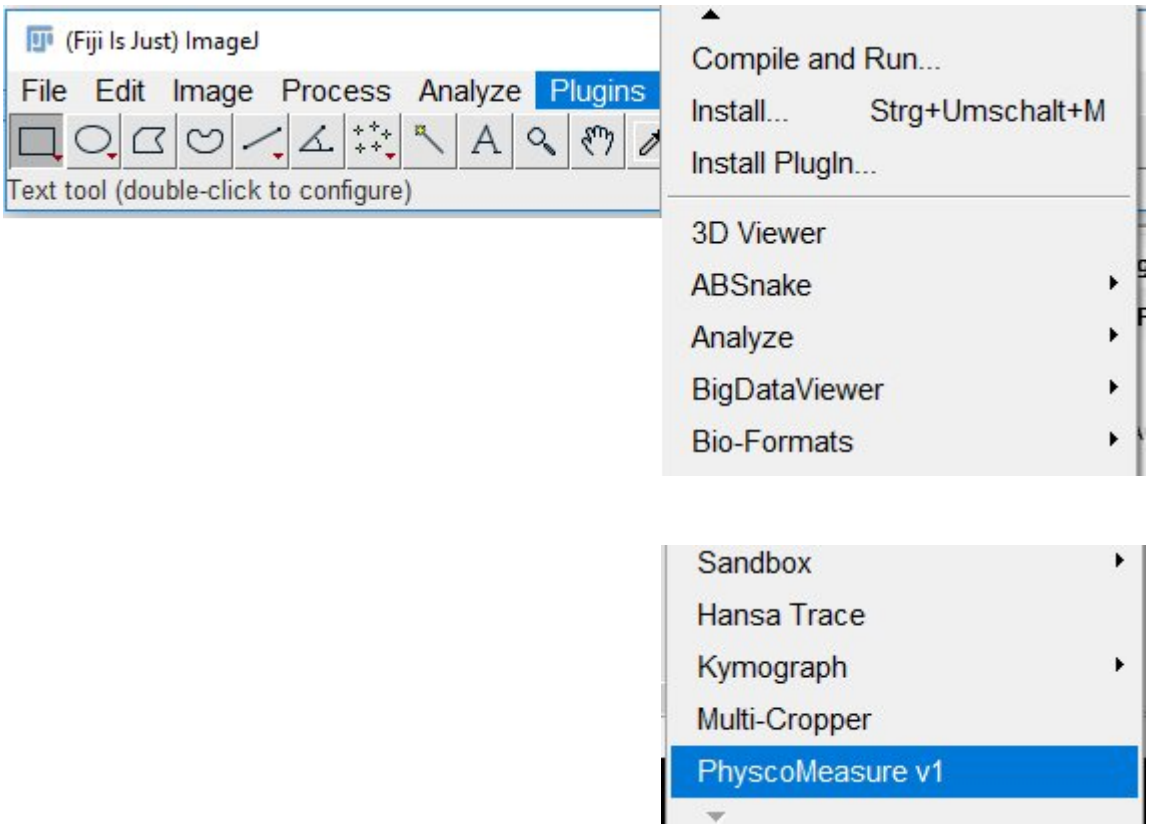




Step 1
Open picture

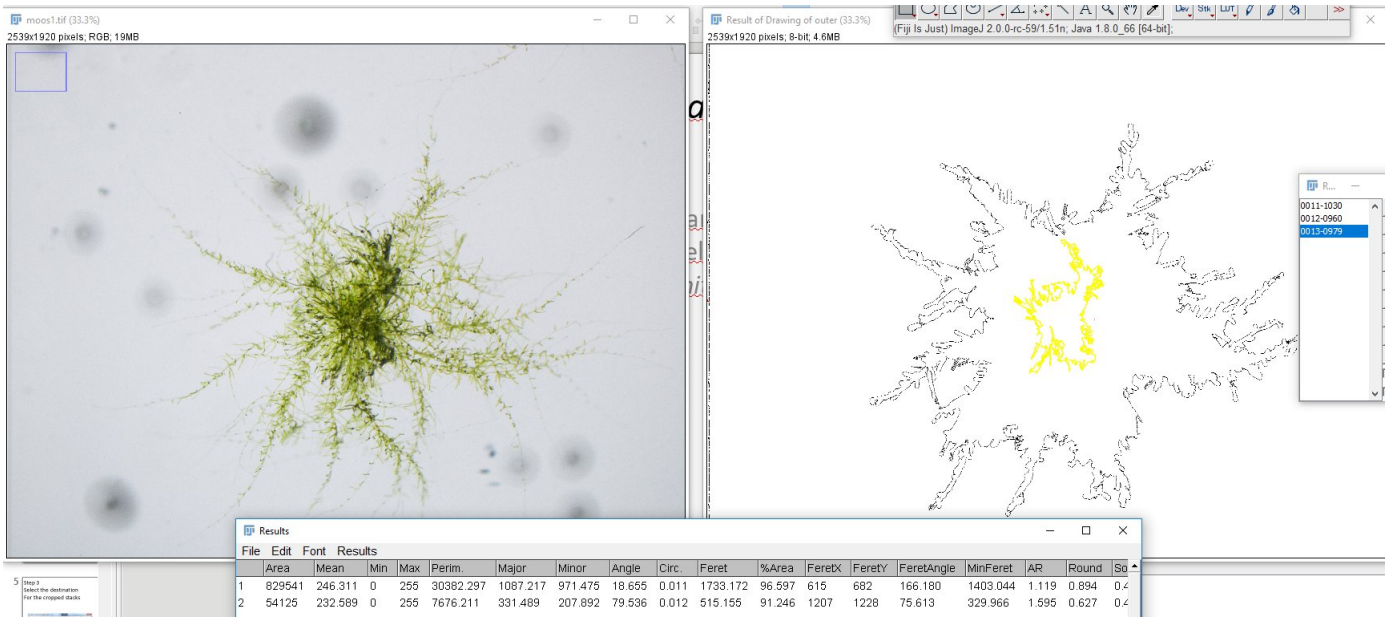


Step 2
Start the Plugin



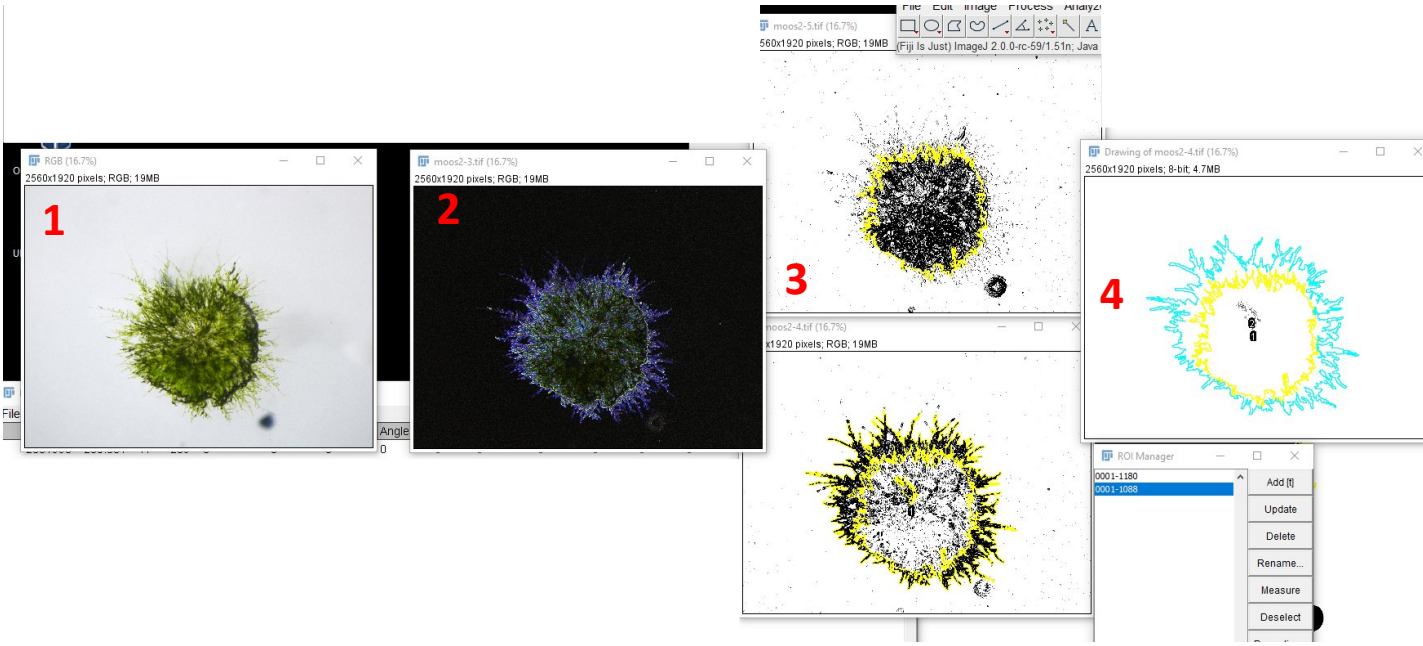
Step 3
Wait for the process to complete

In the end it should look like this



Select ROIs at the ROI manager window and hit M to measure. Results can be saved as csv or copied directly

What actually happens ?



1 - A flat RGB will be created if you have a composite image.

2 – Edge detection via Sobel filter is applied

3 – Image is duplicated and color tresholds for dense and non dense area are run

4 – Tresholded areas are being extracted and measured via Particle filter

5 – User dialog view is being created