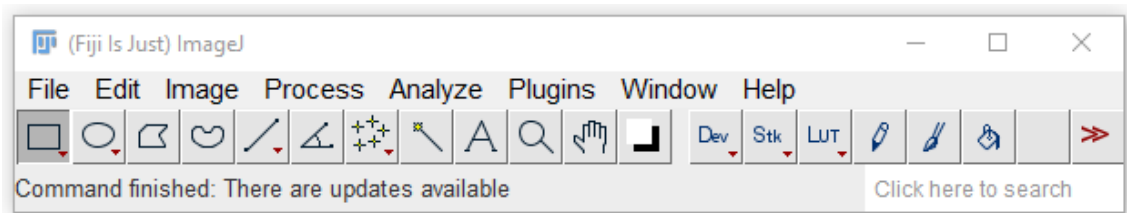


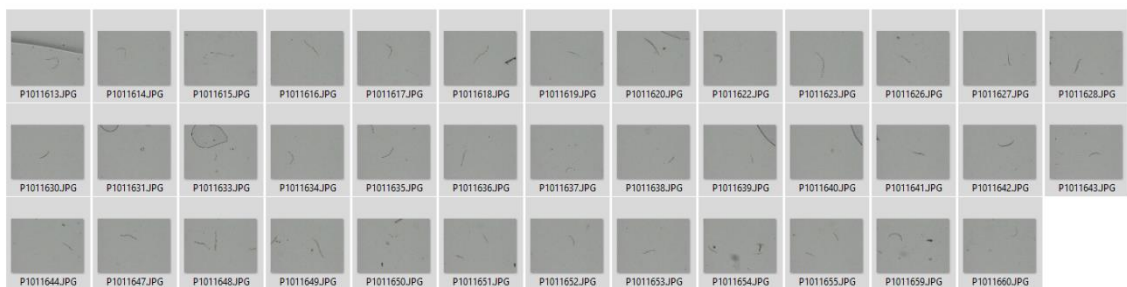
## Length determination of *C. elegans* with imageJ



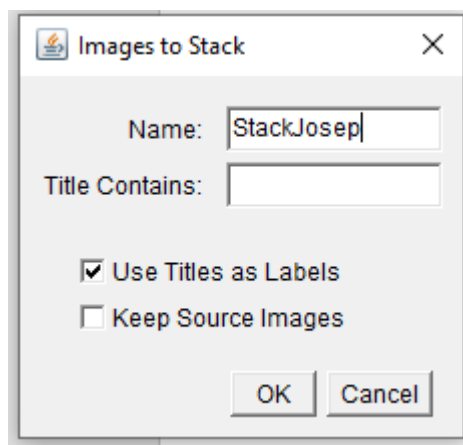
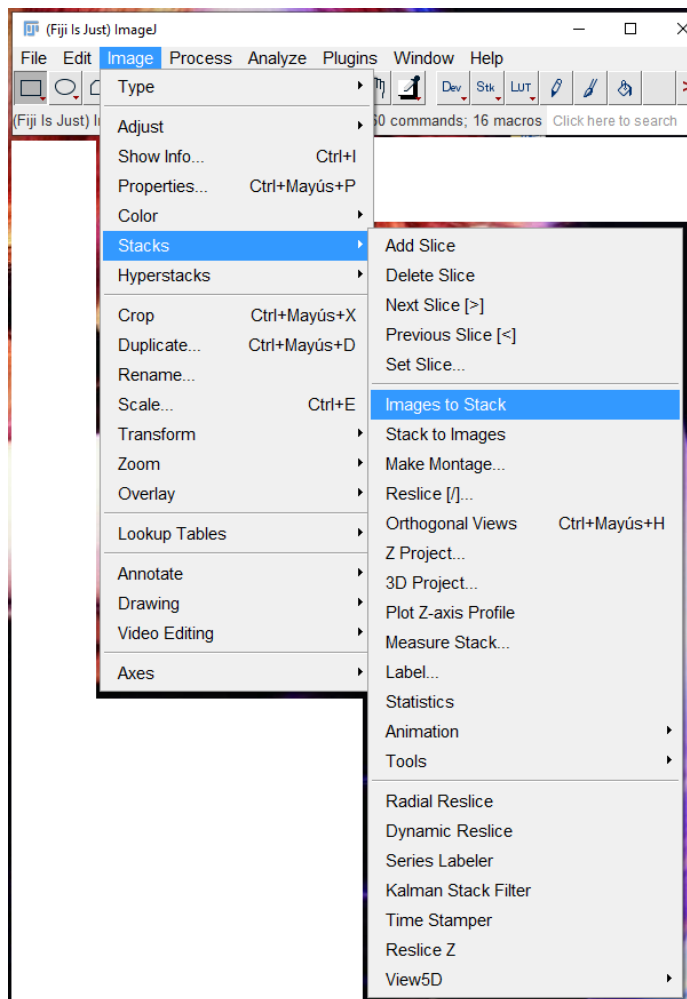
Open ImageJ



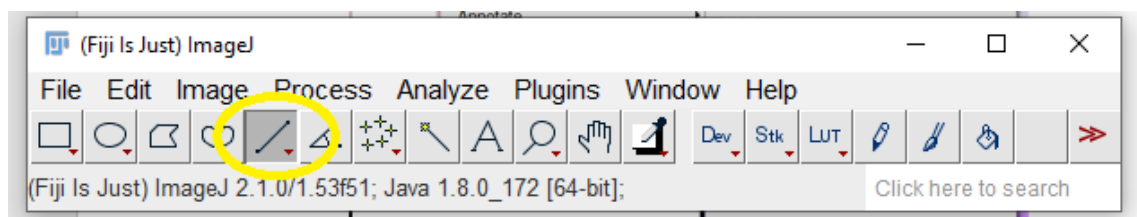
Load the images to the ImageJ bar, selecting them



Save the images as a stack:

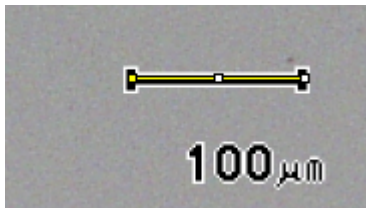


Set the scale, doing the next:

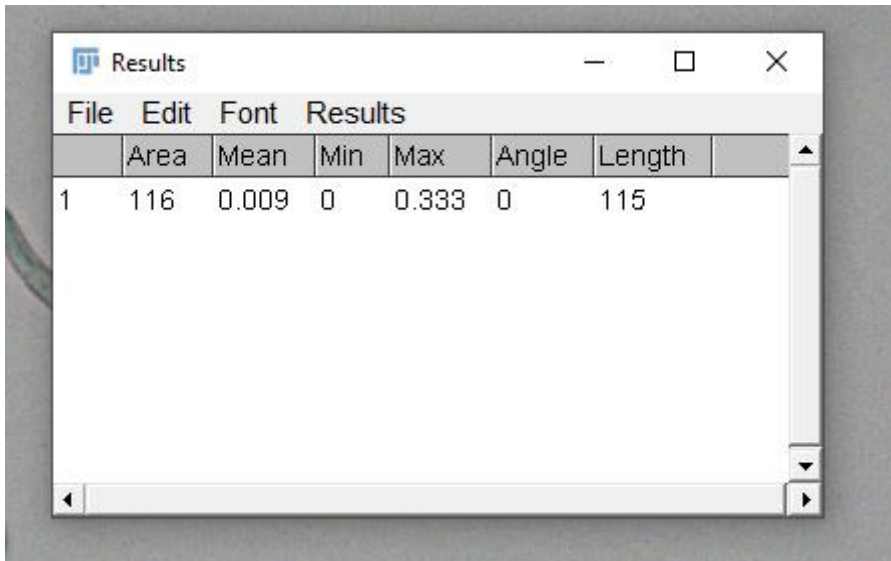




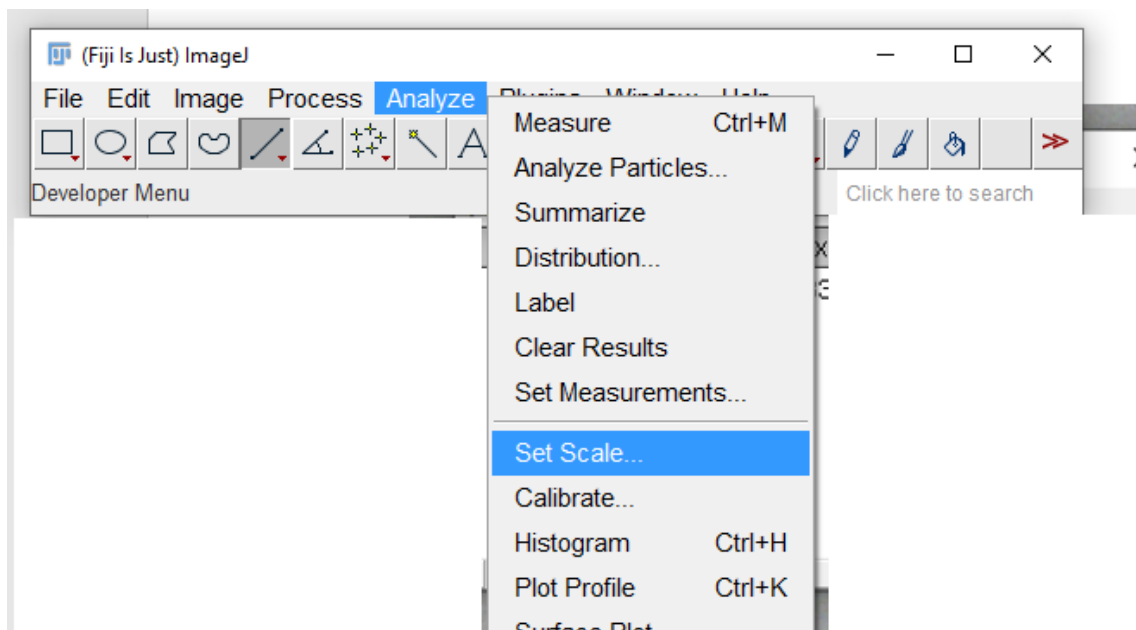
Draw line in scale:

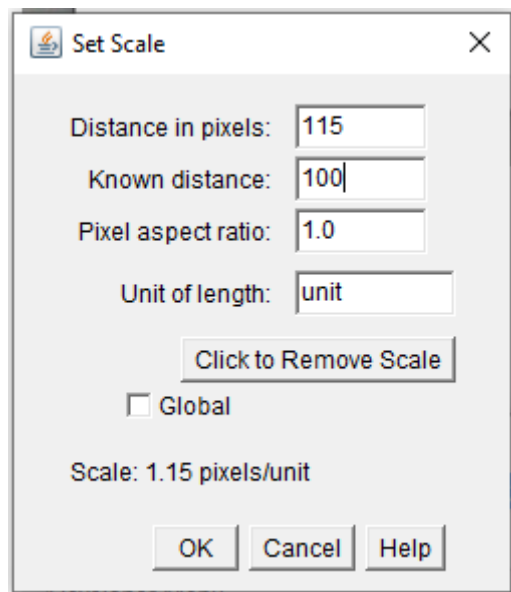


Then *Analyse* -> *Measure* or |Ctrl| + |M|



Length = 115

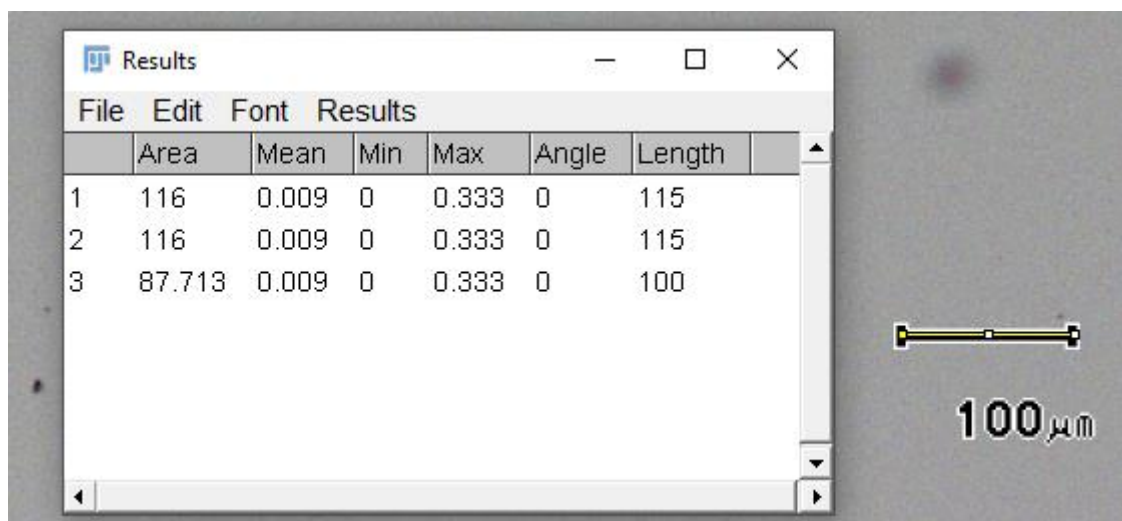




Then: Scale = 115 px / 100 micro m

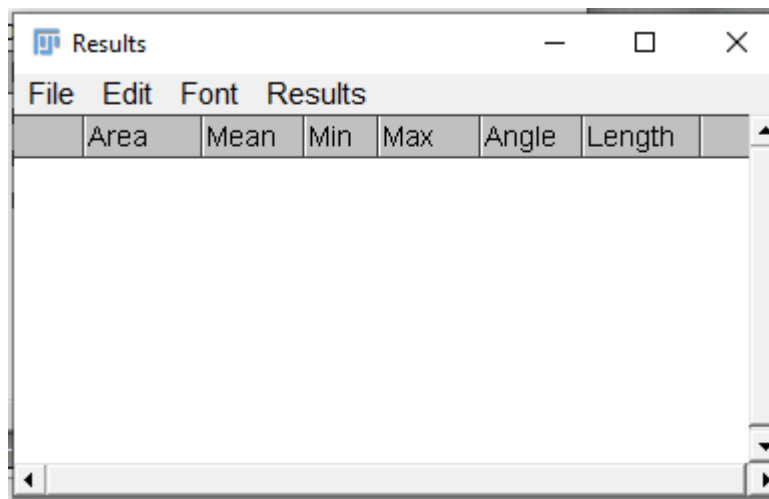


Turning to measure the scale bar, we can comprove it:

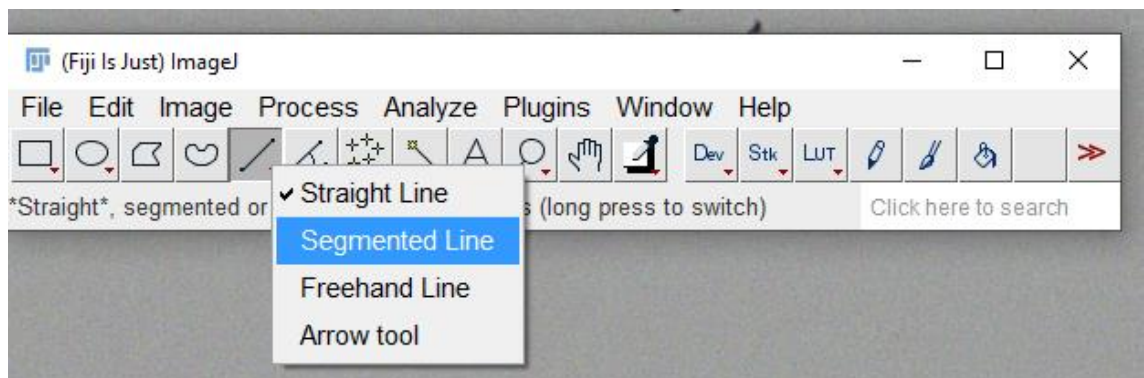


Now we will measure the C. elegans:

Clean the measure table.



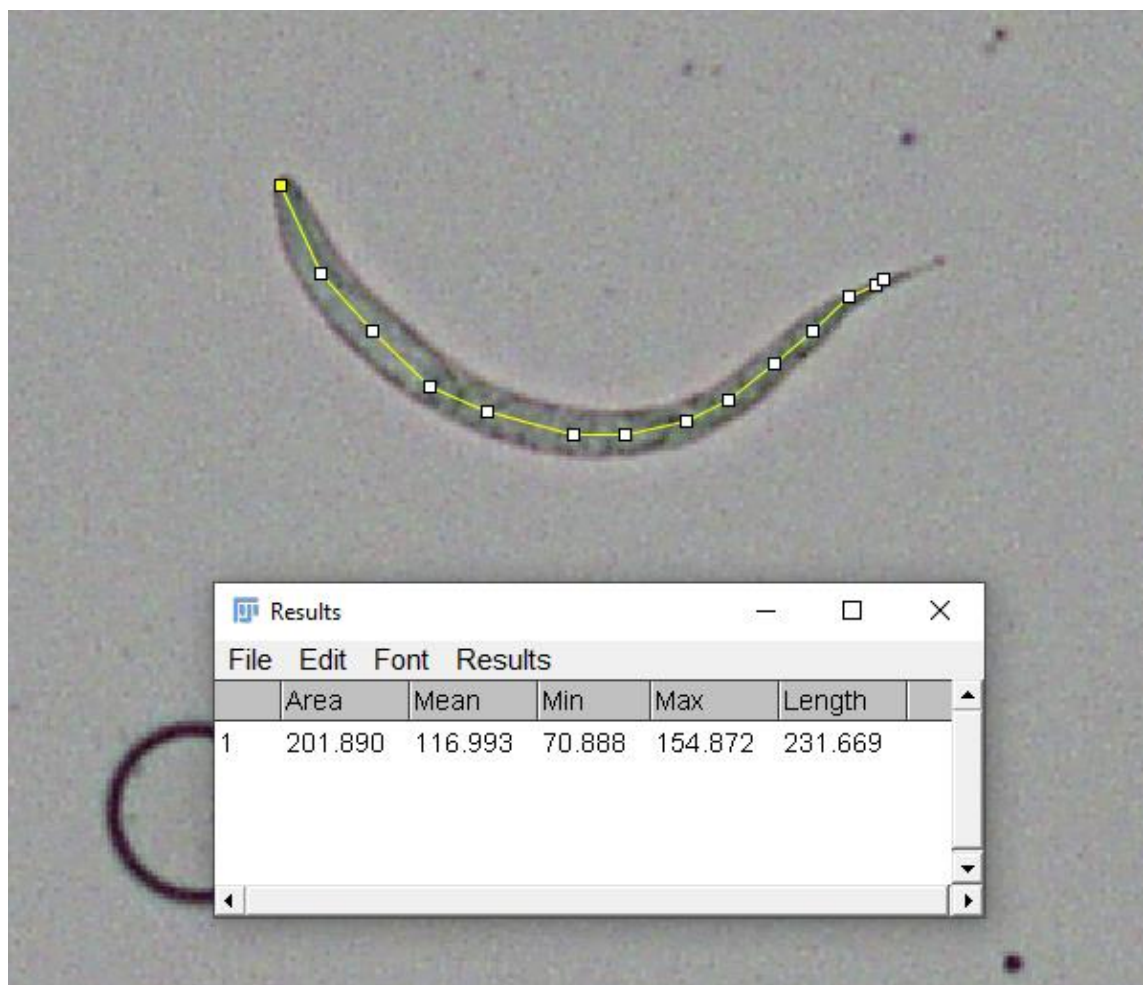
Right-click in the line drawer: segmented line



Then we draw it. For finish use Right button.



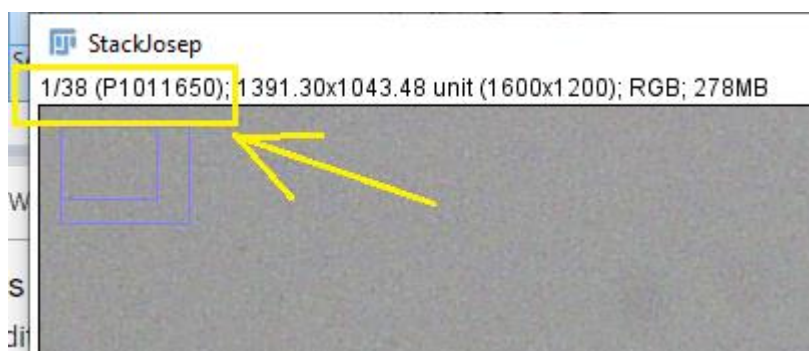
And measure (Ctrl + M)



If we do Ctrl + B, the line will be painted on the image.



Then we annotate it:



File	Area	Mean	Min	Max	Length
1	201.890	116.993	70.888	154.872	231.669

We can just copy the values directly from the Results window, but be careful do not twist the continuity of the data because then you maybe need to repeat it. We can do it from 5 to 5 results.

That's all,

Josep