Guideline for Microtome App

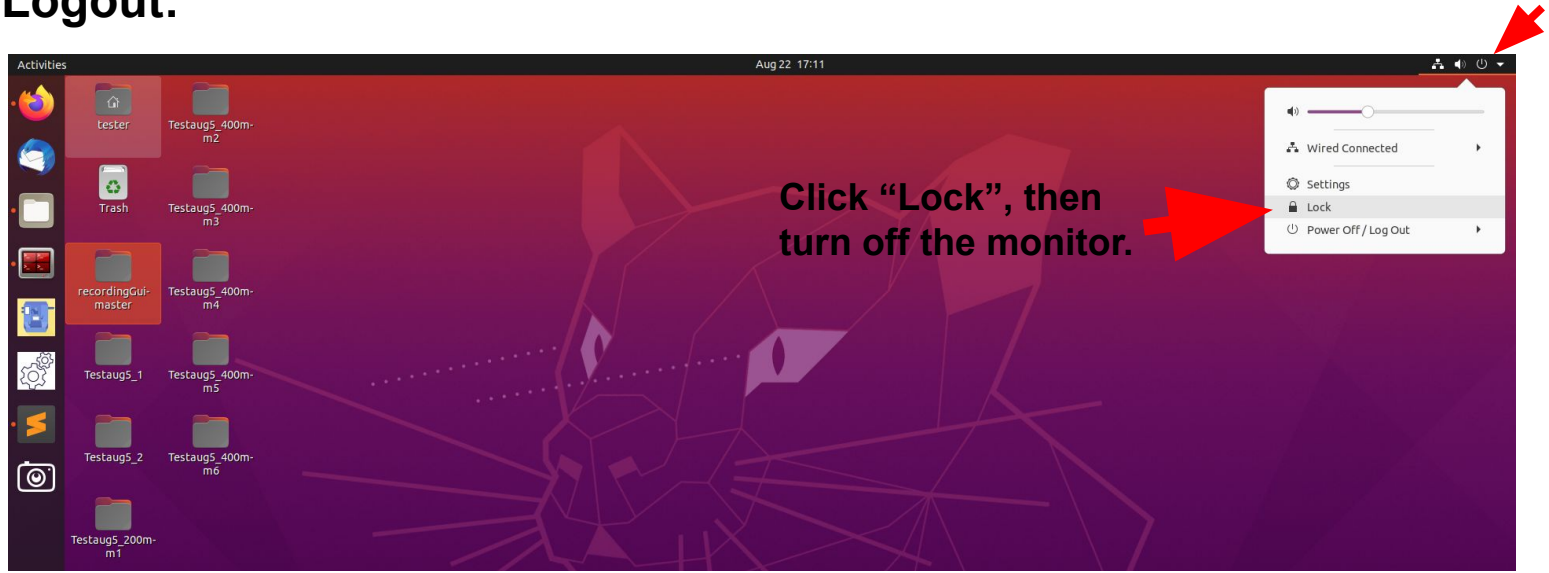
Aug. 21 2022

Login & Logout

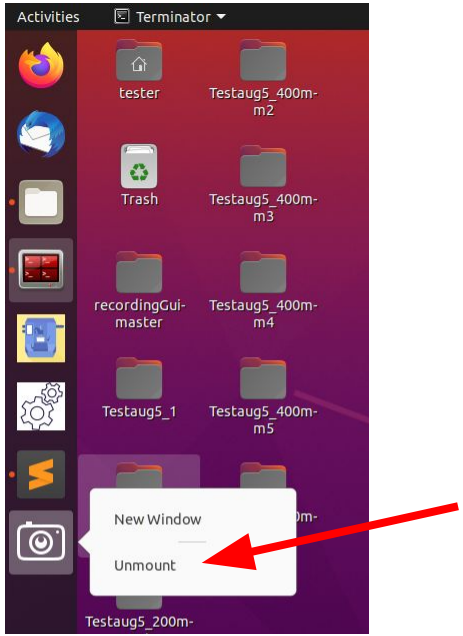
Account: tester

Password: ucair123

Logout:



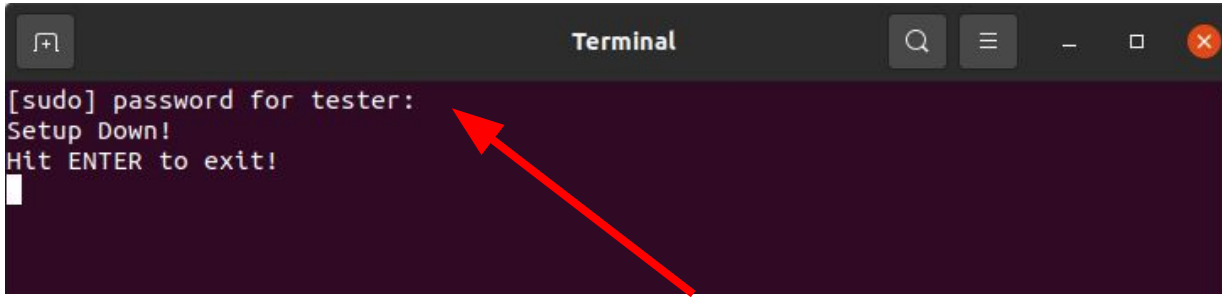
Unmount camera (if applicable)



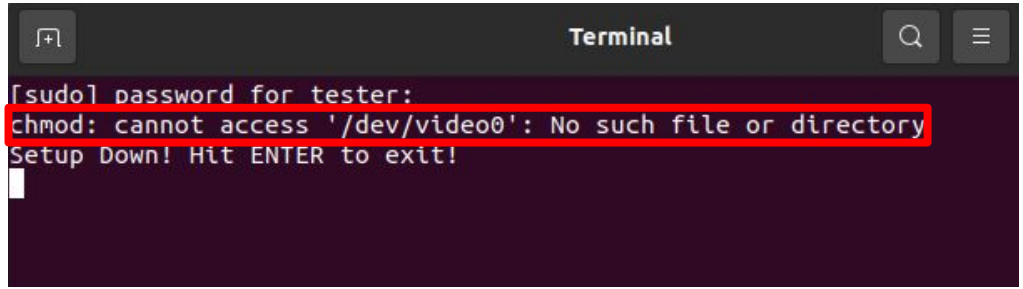
Right click the camera icon.
If “Unmount” here, click “Unmount”.
If “Mount” here, do NOT click.

Run setup

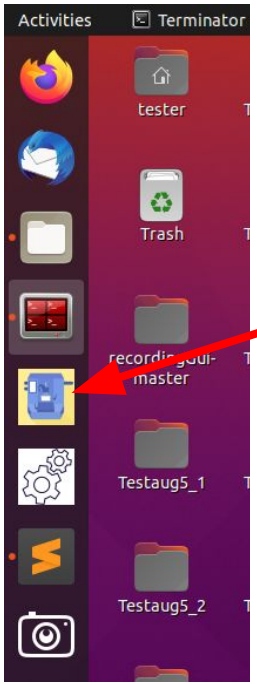
Left click this icon



Input password (nothing will show on screen).
If the output contains anything other than this (like the following).
Close this window & run setup again.



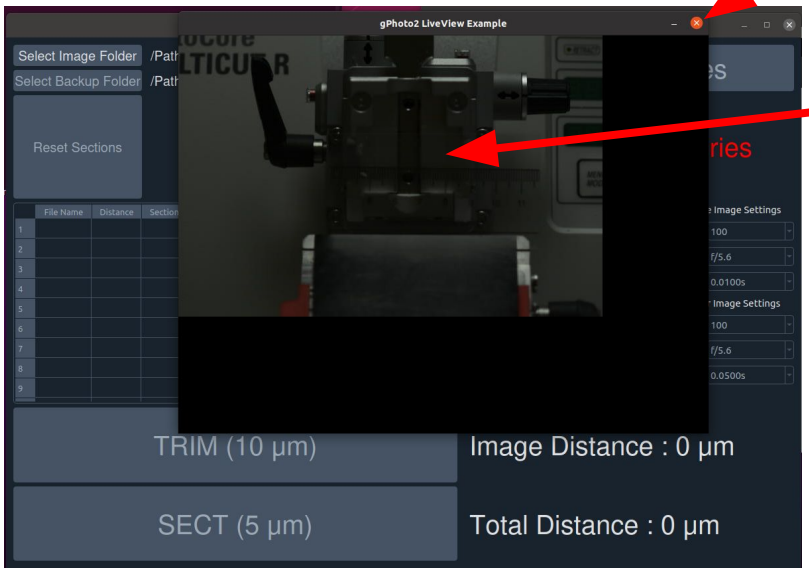
Run App



Left click this icon to open the App

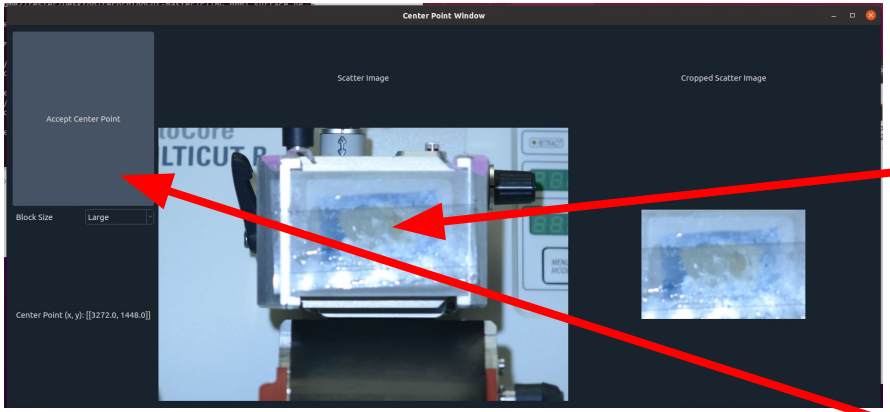
Focus

Use ‘X’ to close this window



Use this preview to do the focus (make sure you can read the number on the sticker).

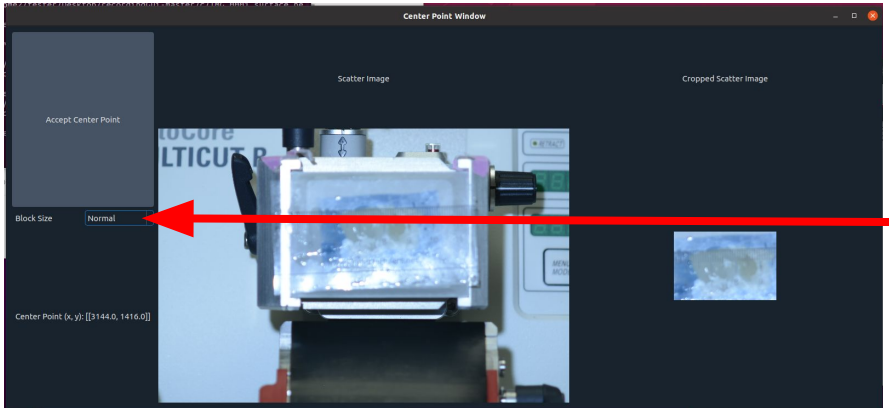
Center point



Every time you start with a new folder, the App will ask you to provide a center point.

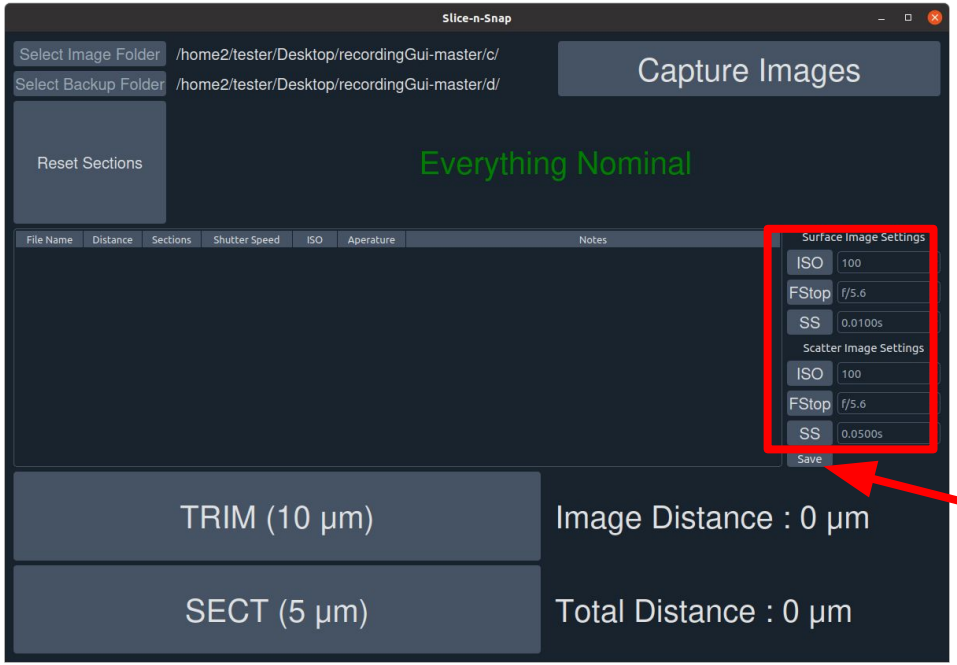
Click the center point of the tissue, the result will be shown on the right side. Make sure the whole block is shown in the cropped image.

Click the button to save the result.
Do NOT use ‘X’.



You may need to change the size when you use a small block (mouse brain).

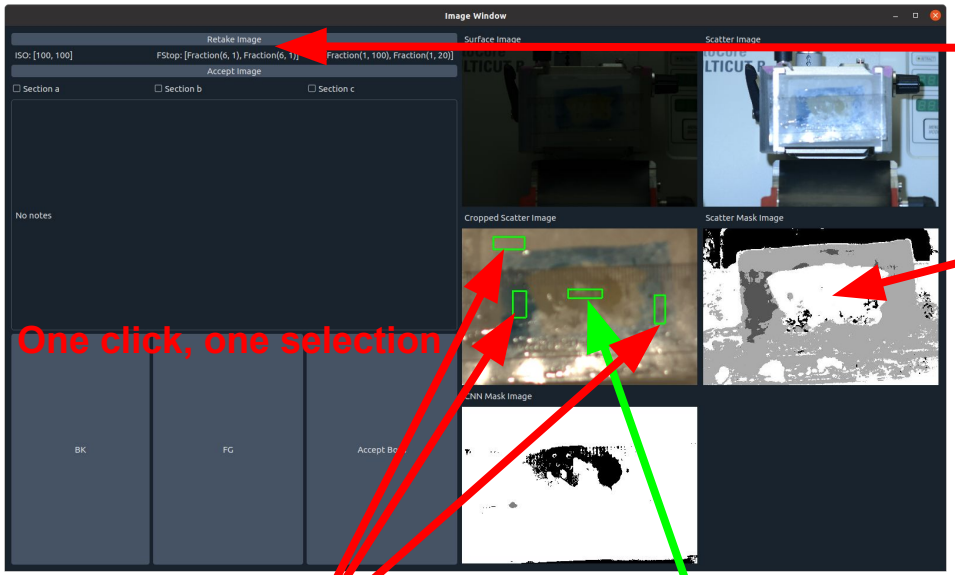
Change camera settings



Change the camera attribute when necessary (If you find it is difficult to read the texture of the tissue, you need the image brighter or darker). Not recommended.

Use the “save” button to save your setting and it will auto load next time.

Select BK & FG for segmentation



Use “Retake”/ “Accept” to close the window, do NOT use ‘X’

Click “Accept Boxs” to check the prediction result here. If you are not satisfied with the prediction, you can reselect the “BK” & “FG” and run the prediction again. If you make some mistake & the prediction does not update after you click “Accept Boxs”, use “Retake Image” to retake the image and do the selection.

You don’t need to select the “BK” & “FG” every time unless you are not satisfied with the prediction.
The colors of the prediction don’t have any specific meaning.
If the tissue exposed to the surface is marked in a different color from the surrounding parts, it is a good prediction.

Click “BK” button and then select a background area. (you can select multiple backgrounds, the recommendation is no more than 3)

Click “FG” button then select a foreground area. (you can only select ONE foreground, if you provide multiple foreground, only the last one will be used)