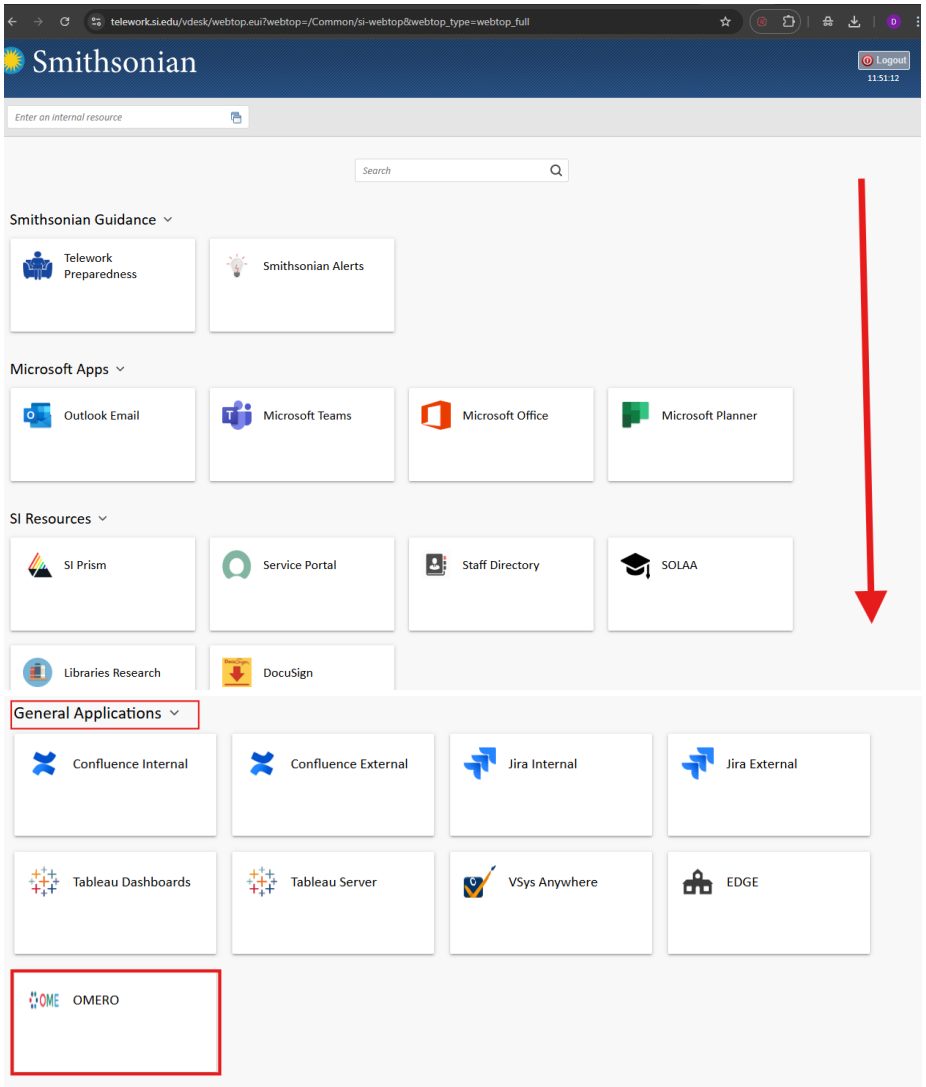
Frequently Asked Questions (OMERO.Web)

IMPORTANT: TO AVOID BLOCKING YOUR SI ACCOUNT, REMEMBER TO: 1) take the security course once a year, and 2) change your password every six months

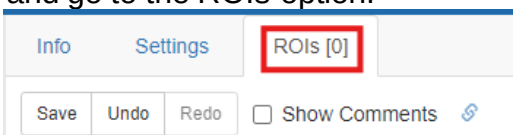
1. How to log into OMERO when I work from home?
    - First, log into **telework:** https://telework.si.edu/vdesk/webtop.eui?webtop=/Common/si-webtop&webtop_type=webtop_full
    - Once inside the telework platform:
        - Locate the section called **General Applications**.
        - Within that section, click on the last application, which corresponds to access to **OMERO**.



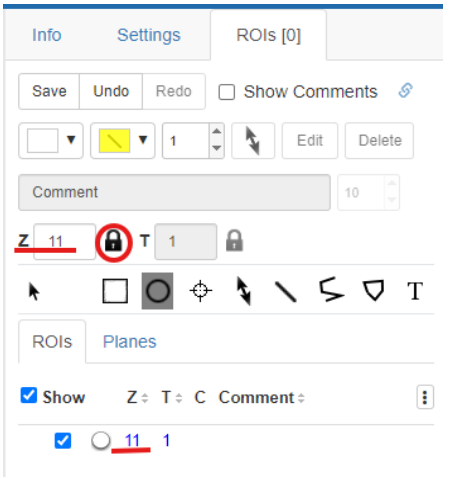
- When you click, you will access the Stri-Paleo server, enter your Omero credentials and that's it.

2. How to enter Omero with a computer that is inside the SI staff network?
    - https://stri-paleo.si.edu/omero/webclient/login/

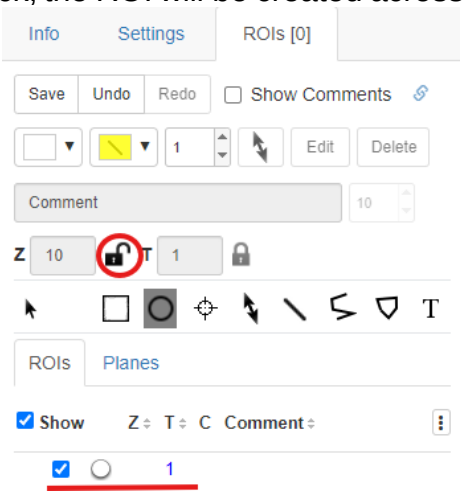
3. Why are ROIs not visible at all z's?
    - Enter the image and go to the ROIs option.



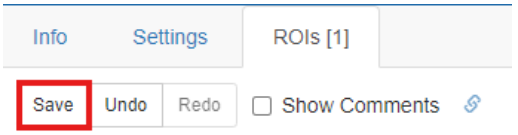
    - When the padlock is closed, it is locked in the plane where you are located.



    - By opening the lock, the ROI will be created across all z planes.



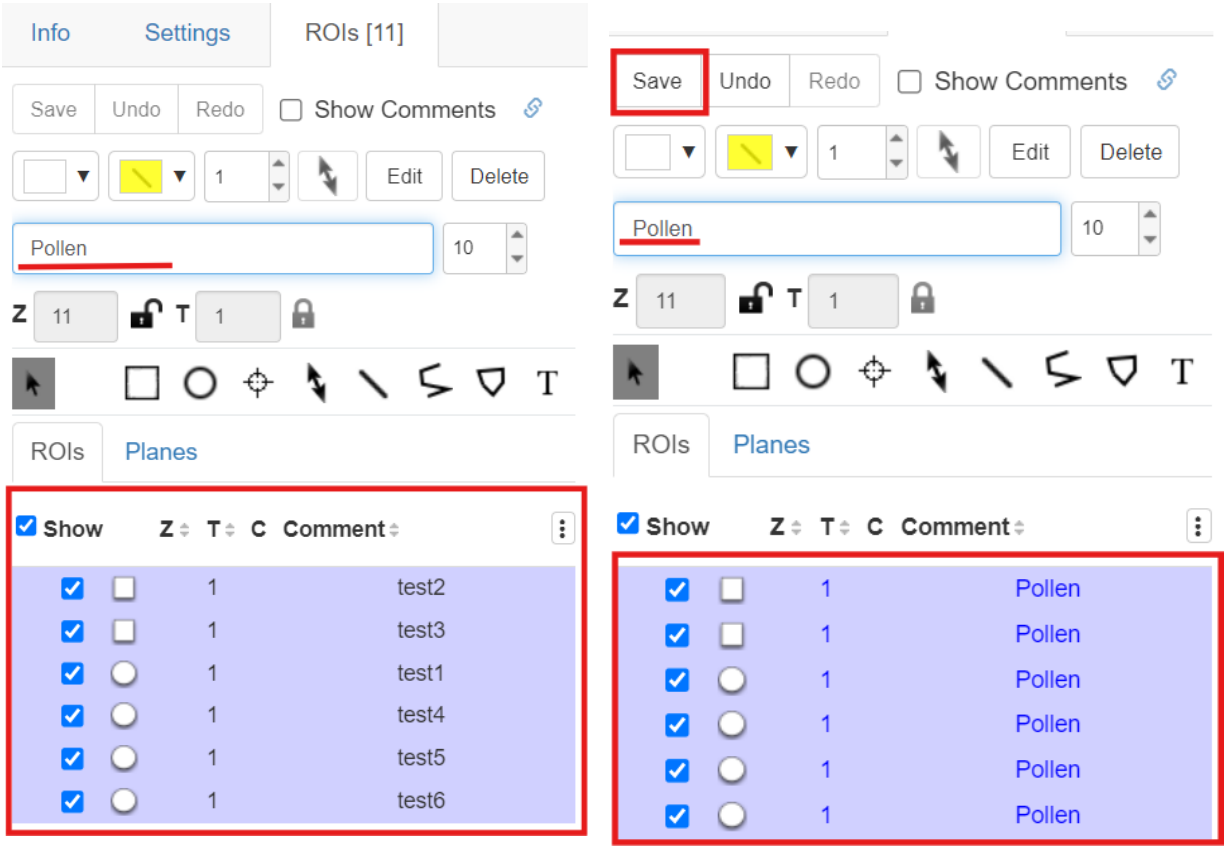
Important: Save the changes made by pressing the "Save" button. If you don't save, ROIs will not be saved.



4. I can't rename or add ROIs.

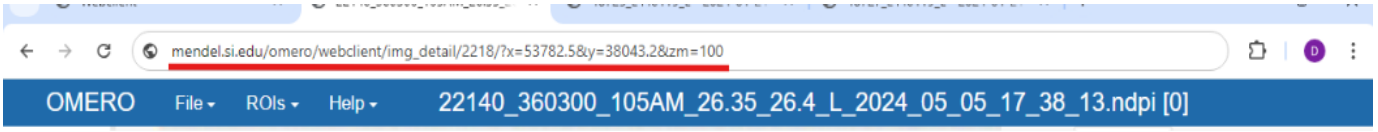
- In case you are unable to rename or add more ROIs, please log out and back in or reload the page, if this does not work, **please let us know. Carlos (jaramilloc@si.edu), Karen (cardenaska@si.edu).**

5. How do you change several comments at the same time?
    - Select all the ROIs you want to rename
    - You can select by pressing CTRL and the ROIs you want to rename.
    - When you change the name of the grain (in the comment bar indicated in the image) press the enter key and it will automatically change in all the selected ROIs **and remember to press SAVE.**



Suggestion: have a list of taxa written in a separate file and do copy/paste instead of typing the species name each time an ROI is created. You can use codenames for the most common taxa (e.g., NZ, Ma, etc.), and once the counts are complete, you can use the function described above (select ROIs and change the comment for all of them).

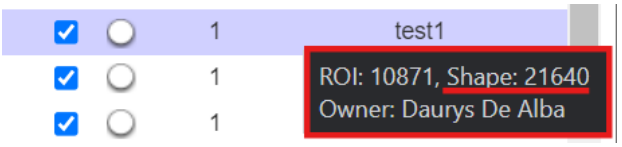
6. How do you find a specific coordinate in an image (X,Y)?
    - Add the x and y position to the URL. For example:
      you have x=53782.5 and y=38043.2, write the following in the top bar of your browser. (image ID 2218, x, y,and zoom value, in this case 100 (&zm=100). Everything to the left of 'img_detail/' stays the same regardless of what image you are using.
      example:
      http://mendel.si.edu/omero/webclient/img_detail/2218/?x=53782.5&y=38043.2 &zm=100



In telework it is almost the same but change the part from mendel.si.edu to the telework URL.
Telework: https://telework.si.edu/f5-w-687474703a2f2f6d656e64656c2e73692e656475$$/omero/webclient/img_detail/2218/?x=53782.5&y=38043.2&zm=100

7. How to view/share a specific ROI?
   Follow the same process as the coordinates
    - First, you need to locate the shape ID that is associate to the ROI.

You can see the ID of the shape when you move the cursor over ROI, and you get the following window:
You can see the ROI ID, shape ID and owner.

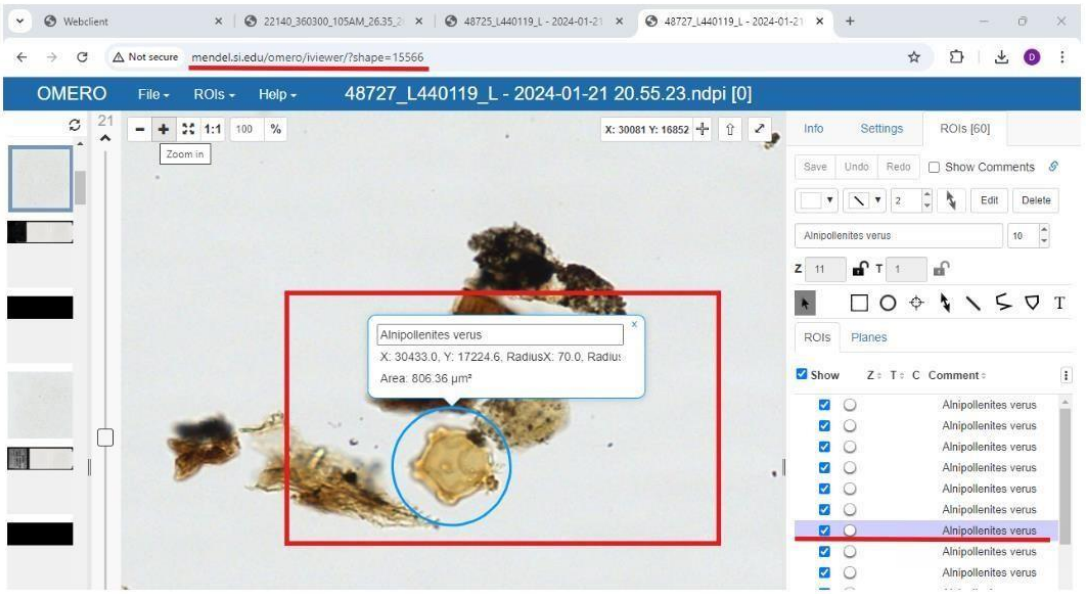


Another way to find the shape ID is looking for them when exporting all Rois (SEE below how to export the ROIs of an image)

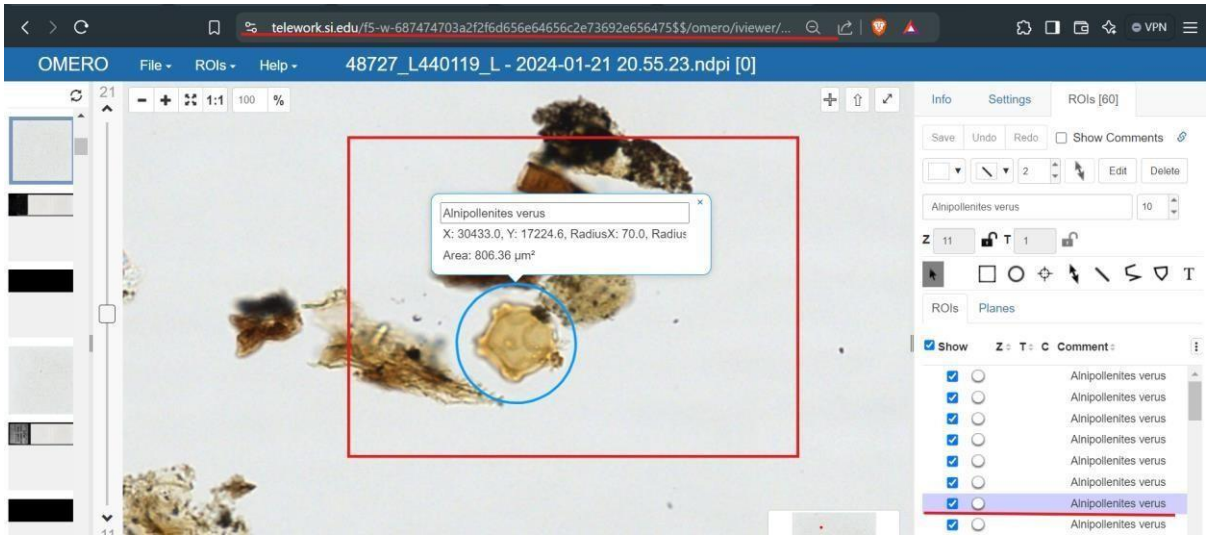
A	B	C	D	E	F
image_id	image_na	roi_id	shape_id	type	text
1221	48725_L44	4788	15558	ellipse	pol
1221	48725_L44	5743	16513	ellipse	spo
1221	48725_L44	5744	16514	ellipse	pol?

- Once you know the shape id, enter the following in the top bar. See how similar it is to the coordinates. Once again, everything is the same to the left of 'iviewer/' and we call the ROI by writing the shape ID "?shape=15556'. You can share the http, so another user can see your ROI (e.g. to discuss an identification)

Example: http://mendel.si.edu/omero/iviewer/?shape=15566

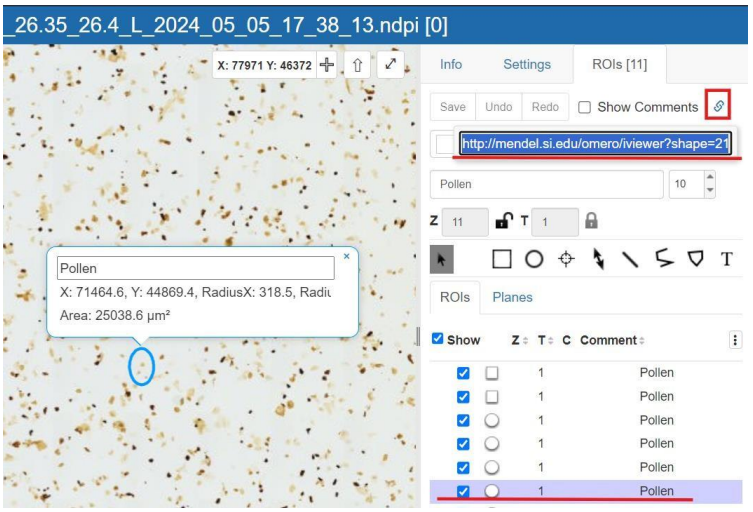


Telework:
https://telework.si.edu/f5-w-687474703a2f2f6d656e64656c2e73692e656475$$/omero/iviewer/?shape=15566



8. Create an http link to a ROI to share it via email.
   This option can be used to display or share specific ROIs. For example, if you are not sure of the identification, you can share the link with another palynologist for help.

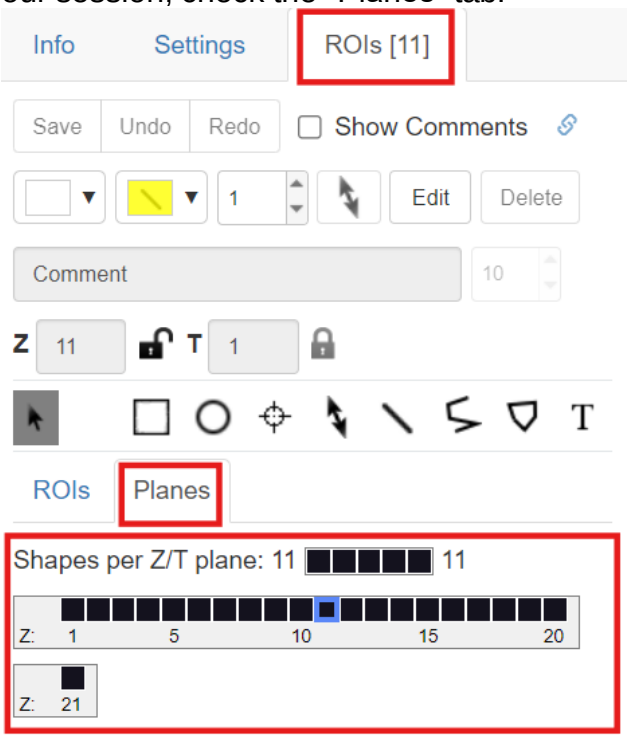
   - When you select the ROI, you go to the hyperlink icon on the upper right side. This icon:



- Once the link is displayed you can copy it and share it with another person in an email.

9. You always must verify that your ROIs were created across all planes.

- When you finish your session, check the “Planes” tab.



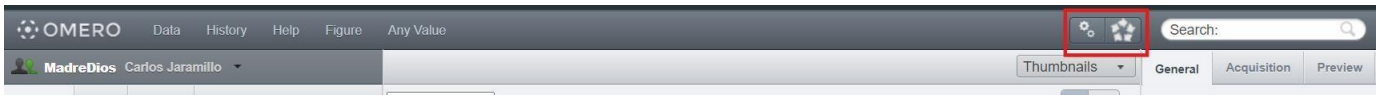
- And make sure that all the planes have the same number of ROI (all

thebars should have the same color), in case they are not all the same, go to the planes where there are more ROIs and unblock the ROI.

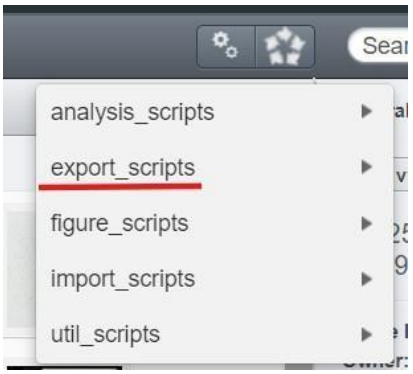
10. How to export ROIs in OMERO.Web?

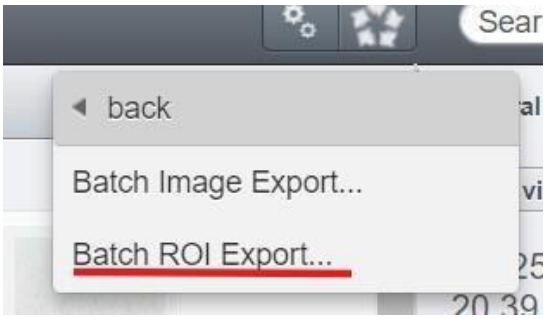
This is a very useful script as it exports all the counts of an image or group of images in a matrix format. In other words, you have your abundance count matrix anytime you want

- Place yourself in the image, dataset, or project you want to export
- go to **Run Script:**

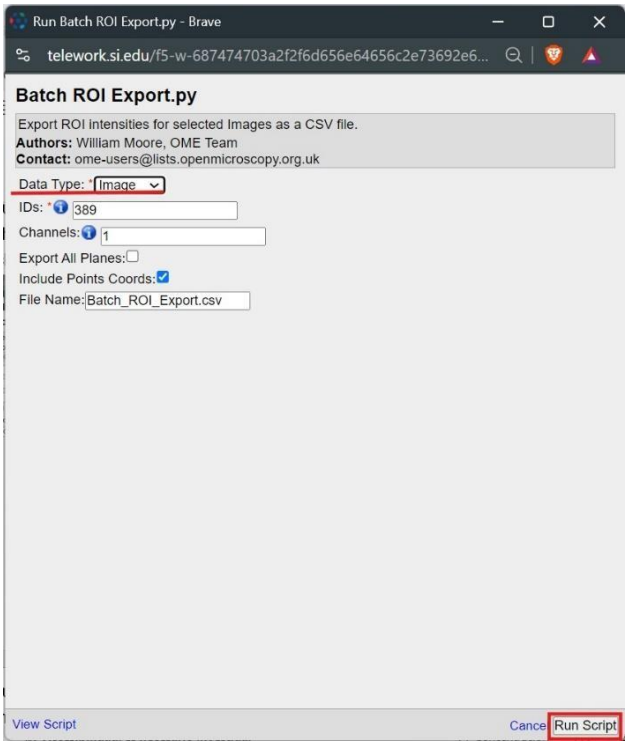


- go to **export_scripts,** then to **Batch ROI Export.**

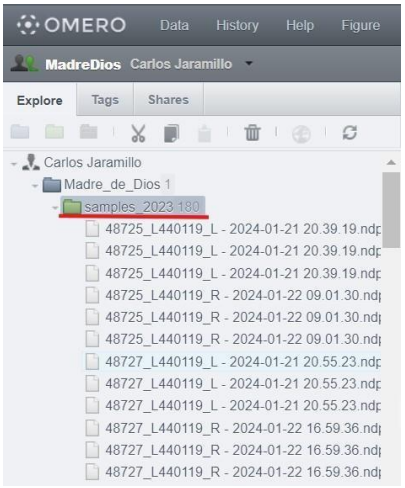




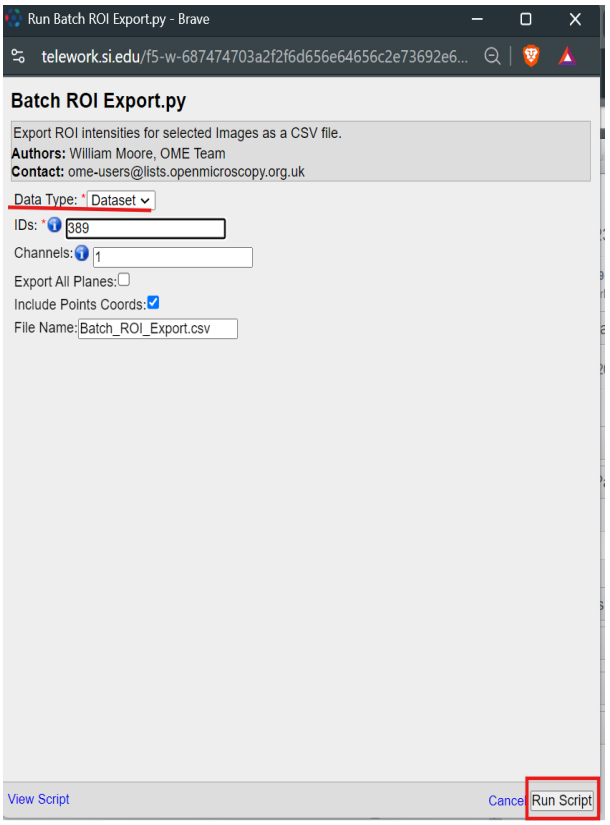
- You can see different options:
  The most useful in this case are **DATASET** and **IMAGE.**
- When you use the **IMAGE** option it will export all the ROIs of the image(s) ID you specify (it could be several ids)
  This is how the configurations should be:



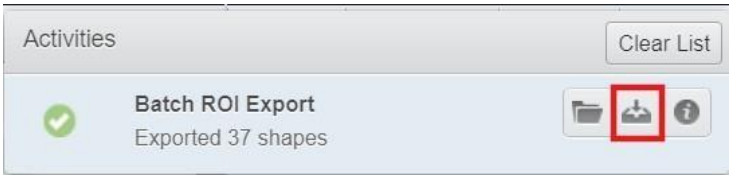
- When you use the **DATASET** option it will export all the ROIs from the dataset
  This is a dataset, and you can see its ID:



- This is how the configurations should be. **Make sure that the channel is only '1'**:



Important: in the upper right part of the screen there should be a notification indicating that the exports were successful, like this:



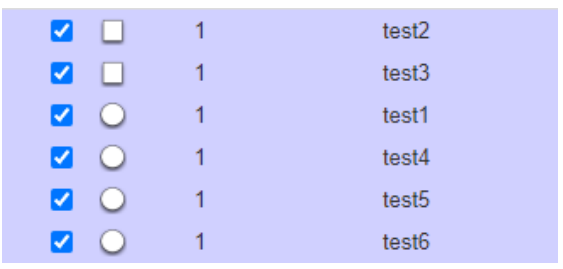
download the csv file using the icon in the middle

11. How to export ROIs in OMERO.iviewer

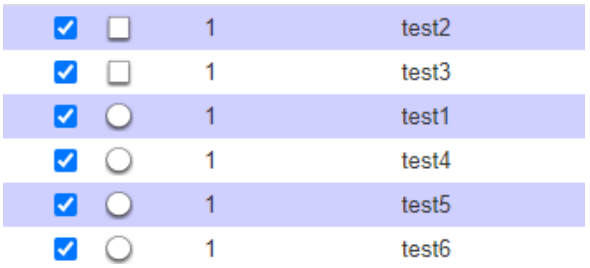
IMPORTANT: This can only be used when you want to extract a part or select a specific ROI.

- Locate the ROIs you want to export and select them:

- To select all, click the initial ROI + the SHIFT key + the final ROI.



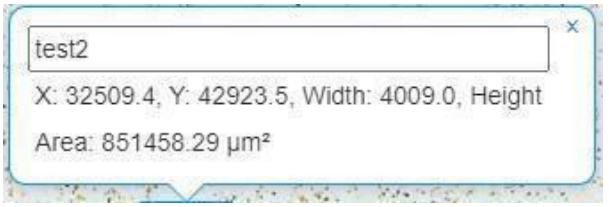
- To select some, click on one of the ROIs you need + the CTRL + the other ROIs.



- After selecting them, go to the top bar and click on ROIs and it will display its menu and click on “Export as Table (CSV)”.

12. Edit notes or comments in Omero.iviewer

- When you press the ROI, the comments window should appear:



If the comment window does not appear, you need to do the following:

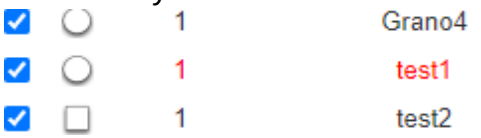
- When you press the ROI, you right click, and it shows you the following options: (click on the option “Enable ROI Popup”)

13. How to know if I saved or deleted.

Important: Every change you make in Omero must be saved. If you do not know if it is saved or not, you can use the following as a guide:

- If the ROI you are commenting on is **blue,** it means that you have not saved it.

- If the ROI appears in **Red,** it means that you deleted it, but it is still reflected since you did not save the change that you deleted an ROI.



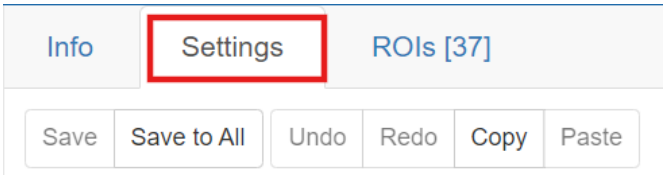
14. Mark the area you are viewing or have already viewed.

- To mark a specific area of the image, either because it is the one you are working on or the one you have already worked on, you must draw location points in Omero.

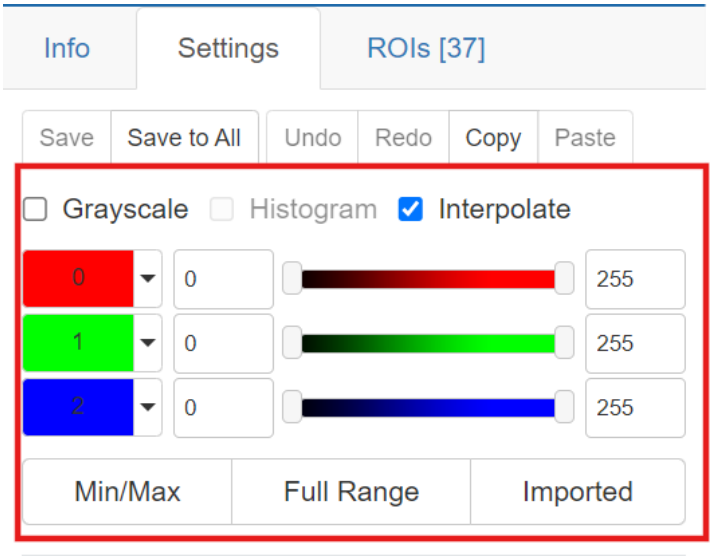
In case you need the exact frame of where you are, you need to create a large rectangular ROI that shows you the exact location.

15. How do the settings work?

- In the setting section you can change the color in which you can see the image (depending on the case).

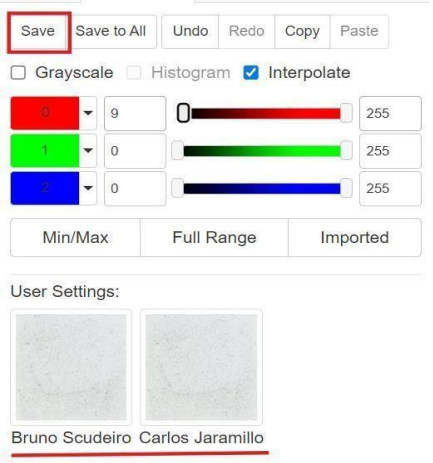


- You can set the color that suits you when displaying the image.



- Once you have made the color change, click on save and a new user setting will be created in your name.

- **Important to know: Any setting changes you make (in this part) do not affect the color of the original image, as the changes will be saved in your user settings.**



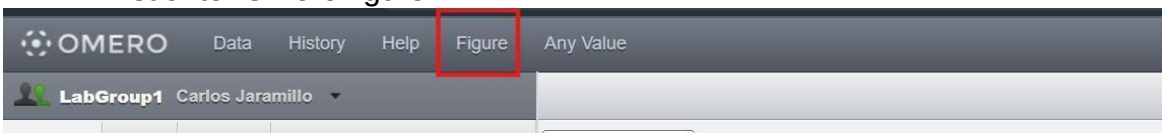
16. How do you rotate the image?

- By pressing the shift key, you can rotate the image in Omero. Web according to how you move the cursor.
- To restart the rotation just click on the arrow in the image.

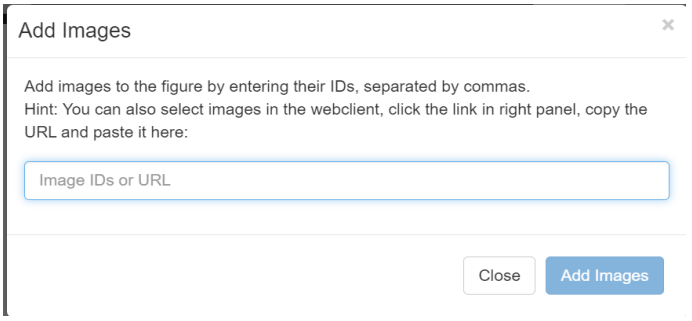
17. Producing Plate Figures using Omero.figure

Important: apply only to Rectangular ROIs, it will not work with circular ROIs

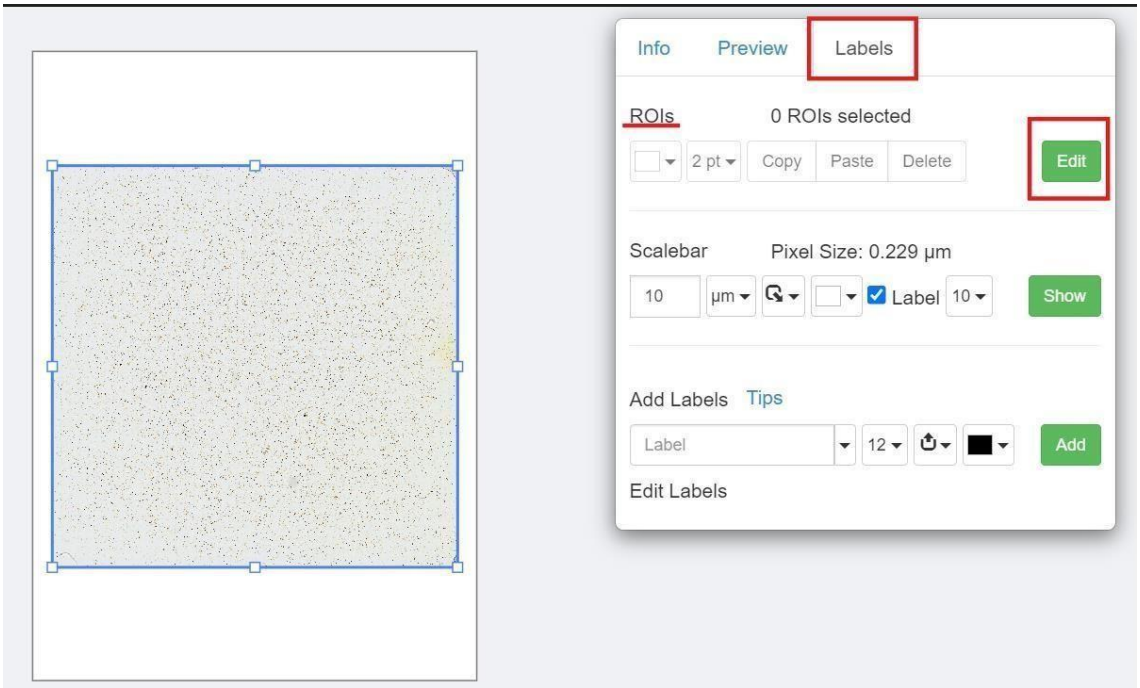
- First enter Omero.figure



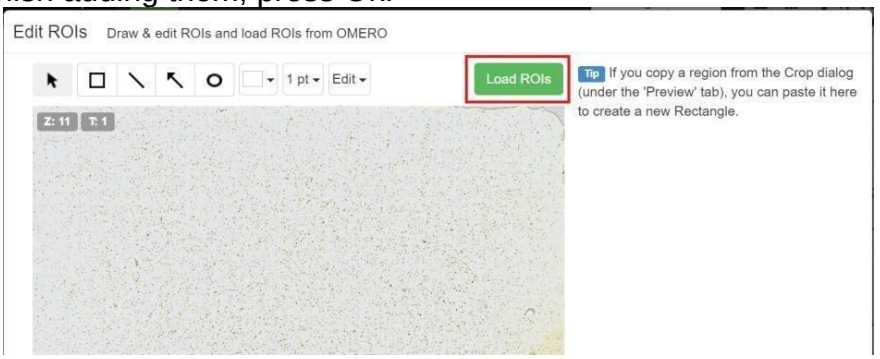
- Once inside press create a new file and enter the ID or link of the image

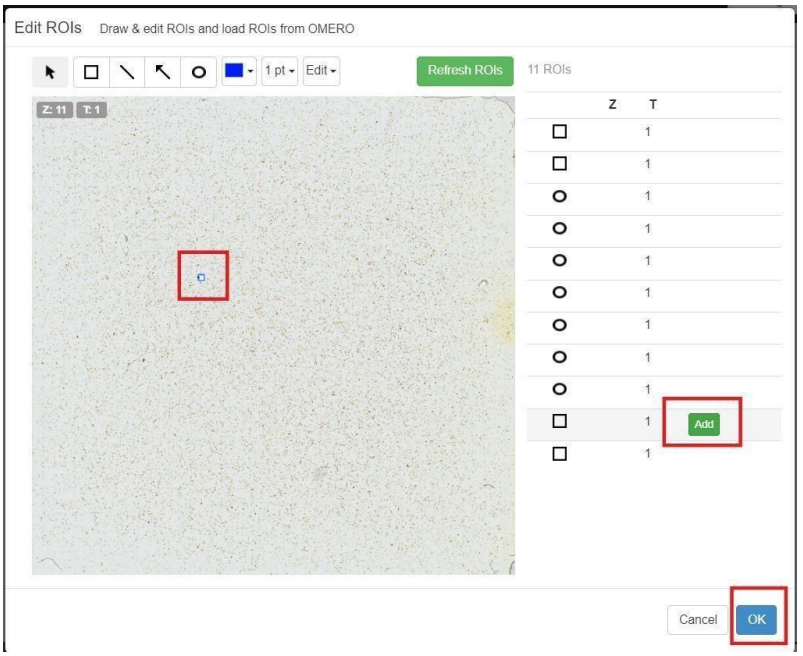


- When viewing the image go to the tab called labels and in the ROIs part press edit

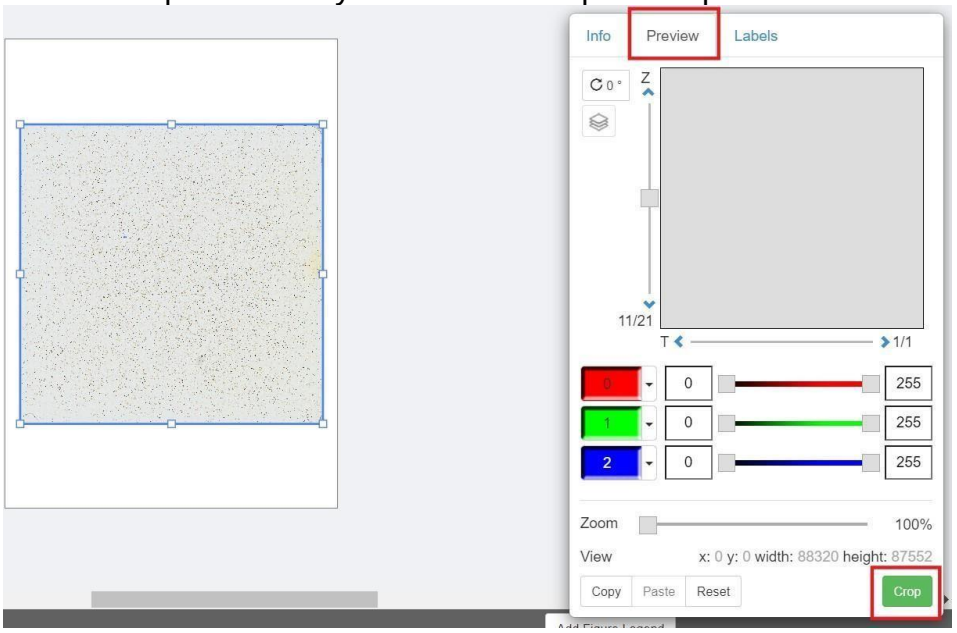


- Once inside press load Rois and add the ROIs you want in the figure. Once you finish adding them, press Ok.



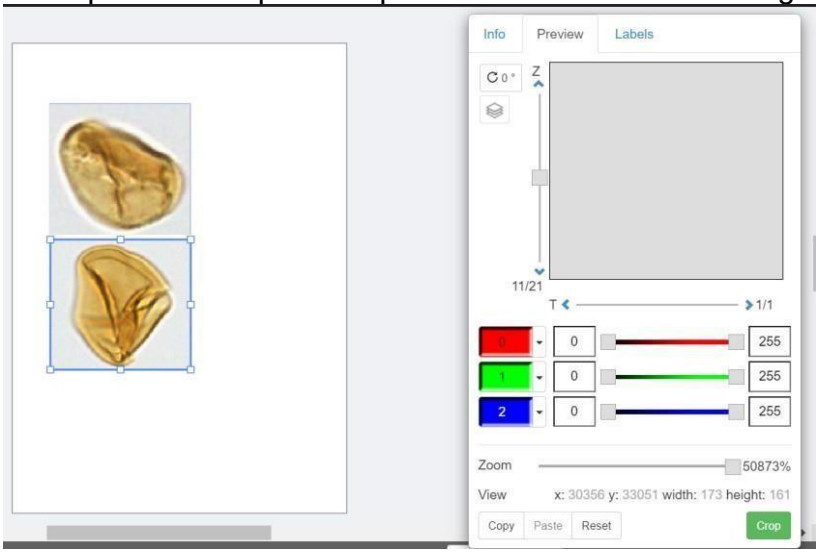


- Then in the preview tab you can see the option crop.



- Go to the crop option, select the rectangular rois you have already added, display the location in the original image and select Ok.

- it is important to repeat the process to add the other images.



18. **Note: Please do not delete or edit images that you have not been authorized to edit, in case you think you need to edit or delete, please consult with Carlos (jaramilloc@si.edu)**

19. In case you need information from other sources.
    Check out the Omero guide: https://omero-guIDes.readthedocs.io/en/latest/
    In case of script, consult the Omero Forum: https://forum.image.sc/tag/omero
    GitHub: https://github.com/ome
    Omero functionality: https://downloads.openmicroscopy.org/