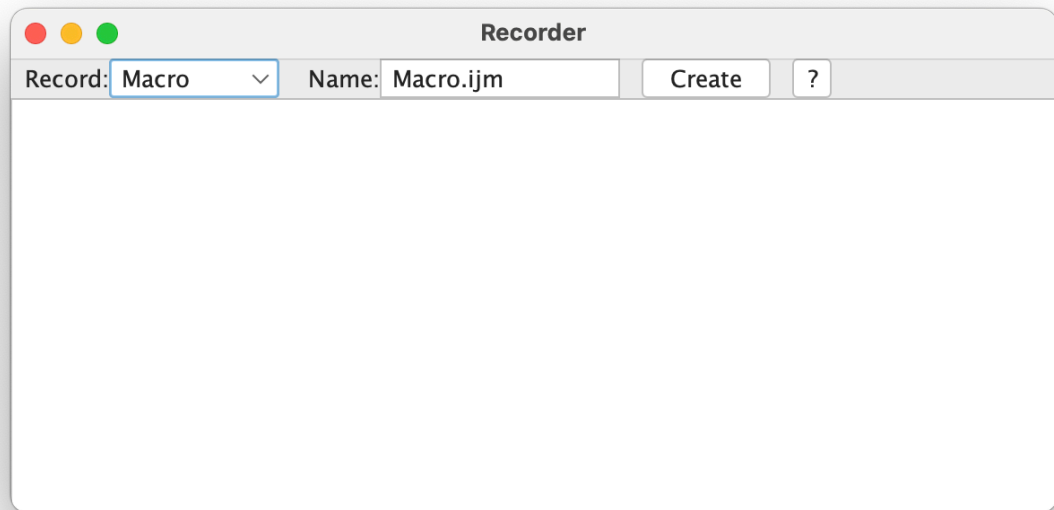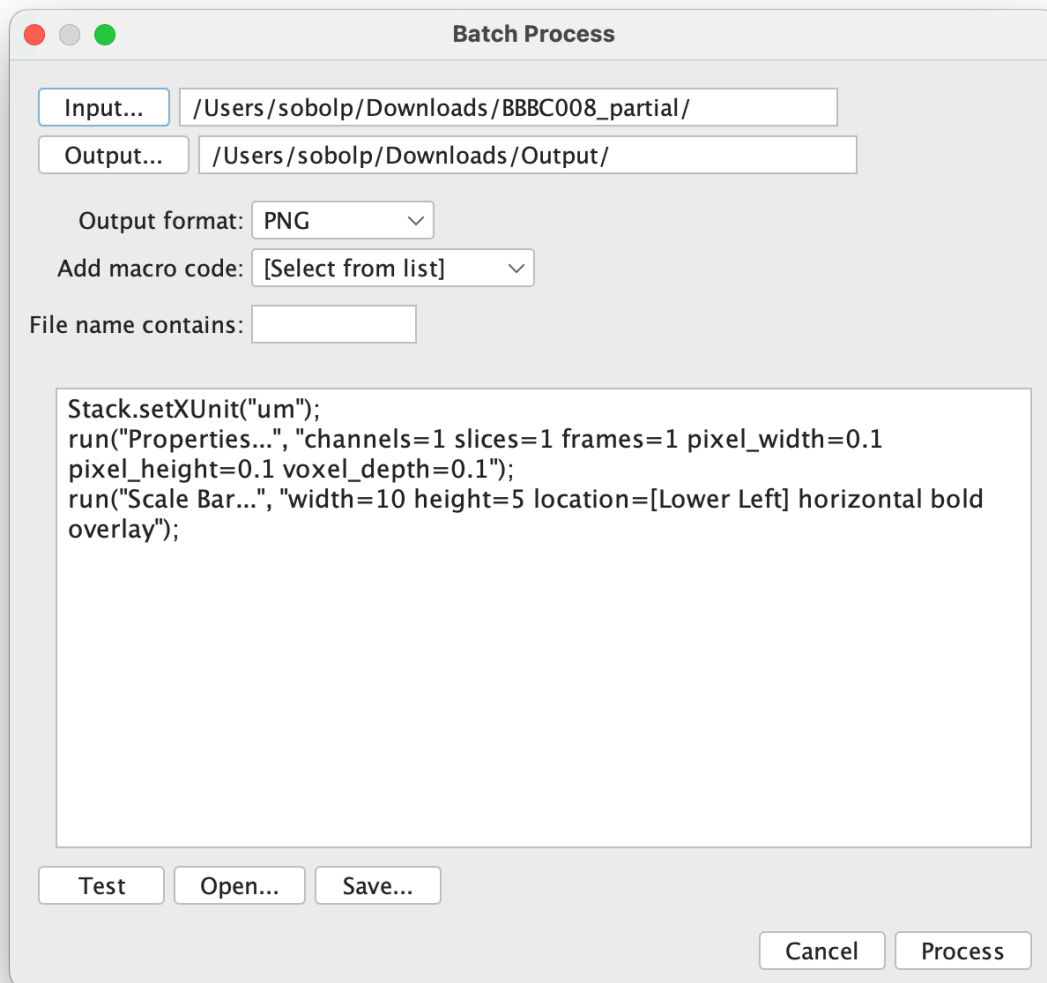Task 1 – Batch processing with Macro Recorder

1. Open any one of the individual images in the BBBC008 dataset mentioned in the presentation
2. Run [Plugins -> Macros -> Record]

3. Try running any Fiji menu command. You will see the equivalent macro line in the Recorder window.
4. Delete any text in the Recorder and let's record a simple Macro to add calibration info and scale bars to all of the images using Batch processing. Reminder: the next commands will get recorded by the macro Recorder so try to ensure you do what you really want!
5. Open [Image > Properties] and set the pixel size to 0.1 microns per pixel.
6. Open [Analyze > Tools > Scale Bar…] and add a 10 µm scale bar in the bottom left corner.
7. Check that the text in the Macro Recorder makes sense.
8. Open the Batch processing [Process > Batch > Macro…] and paste the text in the Recorder window into the text box.

Batch Process

Input... /Users/sobolp/Downloads/BBBC008_partial/

Output... /Users/sobolp/Downloads/Output/

Output format: PNG ⌄

Add macro code: [Select from list] ⌄

File name contains: [   ]

```
Stack.setXUnit("um");
run("Properties...", "channels=1 slices=1 frames=1 pixel_width=0.1
pixel_height=0.1 voxel_depth=0.1");
run("Scale Bar...", "width=10 height=5 location=[Lower Left] horizontal bold
overlay");
```

Test   Open...   Save...

Cancel   Process

9. Click test to check that you get what you expect and once satisfied, press Process!

Note: if something isn't correct, you can use the following macro:

```
run("Properties...", "unit=um pixel_width=0.1 pixel_height=0.1");

run("Scale Bar...", "width=10 height=10 font=30 background=None
location=[Lower Left]");
```