Instructions for using Batch Montage Macros created by Julia Graham

**To process one image at a time:**

1. Adjust Bio-Format Import Options window.

View stack with: Hyperstack

Stack Order: XYCZT

Color Mode: Default

2. Install desired macro (adjusted color or original color) that matches the number of channels in the image you want to process.

Plugins → Macro → Install → Double click on macro you wish to use

3. Run Macro.

Plugins → Macro → Double click on installed macro (bottom of pop up window)

4. Save the generated montage image.

**To process batches of images at a time:**

1. Create input folders containing images with the same number of channels. The number of channels in the images you wish to process must match the number of channels in the macro name.

e.g. use “4 Channel + Composite + Original Color + Label” macro to process folder containing images with 4 channels

2. Create output folder for processed images to be automatically saved in.

3. Adjust Bio-Format Import Options window. 12/2/21 LK note, does not seem necessary

View stack with: Hyperstack

Stack Order: XYCZT

Color Mode: Default

4. Open Batch Process window.

Process → Batch → Macro

5. Adjust Batch Process window.

Input: Select folder created in step 1

Output: Select folder created in step 2

Output Format: TIFF

Open…: select desired macro that matches number of channels in input folder images

6. Click “Process” to run batch process. If using a macro from the set for original color montages, then all the montage images will automatically save in output folder. If using a macro from the set for auto adjusted color montages, then a window labeled “Update entire stack?” will open for each image as the macro runs. Press “enter” every time the window appears to approve auto adjustments to brightness and contrast. After pressing enter, the montage image will automatically save in the output folder.