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Run file split and save

1. Open: EmmaTilesSaveAs
2. Insert parameters for .lif file, save location for split files, a list of cell seeding densities in the files to be analyzed, a list of strain parameters in the files to be analyzed and the number of samples to be analyzed.
3. Press Run
4. A box will pop up asking for the number of pictures for each file input into the program, this is the number of individual tiles in the file that you want split into colors and saved.
5. You will see a number of files open, split and save as the process goes on
6. The popup will then ask for the number of images in the next file. This will repeat until all files indicated have been split and saved.
7. Saved files will have the format ‘seedingDensityStrainSample#-Image#-color.tif’

Run ImageJ Nuclear Analysis

1. Open: EmmaNucleusImageJ
2. Insert parameters for location of .tif files, save location for excel files, a list of cell seeding densities in the files to be analyzed, a list of strain parameters in the files to be analyzed, the number of samples to be analyzed, and scale of images in files to be analyzed.
3. Press Run
4. For each image to be analyzed a box will pop up asking you to confirm the threshold. Adjust the Threshold and then press ‘ok’
5. Nuclear data will be saved in one excel file for each .lif file. Each tab in the file represents one image.