## Task 7 – Batch processing data

- 1. This time, we will not open any individual images. We will use the BBBC008 dataset mentioned in the presentation. Make sure to download it and unzip it.
- 2. Make another folder called "output" to save your batch processing outputs. I have both of them on my desktop, but feel free to put these folders wherever you want.

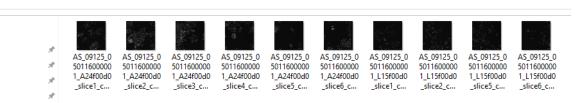


output

- 3. First, we will run some very simple batch conversion. Run Process -> Batch -> Convert.
- 4. Set the Input directory to be your BBBC directory with the images you downloaded, and the Output directory to be the output folder you have created.
- 5. Set output format to PNG and scale factor to 0.50.

| 📓 Batch Convert  | × |
|--|---|
| Input C:\Users\erick\Desktop\BBBC008\<br>Output C:\Users\erick\Desktop\output\   |   |
| Output format: PNG  Interpolation: Bilinear  Occupient for the second se |   |
| Scale factor: 0.5<br>Average when downsizing<br>Read images using Bio-Formats  |   |
| Convert Cancel   |   |

- 6. In this case, our inputs are simple tiff files; if your input files are proprietary formats, make sure to check the "Read images using Bio-Formats" box.
- 7. Check your output folder. You should see new PNG files there.



- 8. If your needs are slightly more complex, you can apply a macro to a batch of files. Run Process -> Batch -> Macro. Again, set the Input and Output folders as they were above, output format to PNG.
- 9. From the "Add macro code" dropdown, pick "Scale". It will add some code to the text box.

- 10. Change the scale fraction to 0.5 and add the following line to the end of the code: run ("Red");
  - AS\_09125\_050116 000001\_A24f00d0 \_slice1\_channel1. AS\_09125\_050116 000001\_A24f00d0 \_slice2\_channel1. AS\_09125\_050116 000001\_A24f00d0 \_slice3\_channel1. AS\_09125\_050116 000001\_A24f00d0 \_slice4\_channel1. AS\_09125\_050116 000001\_A24f00d0 \_slice5\_channel1. AS\_09125\_050116 000001\_A24f00d0 \_slice6\_channel1. AS\_09125\_050116 000001\_L15f00d0 \_slice2\_channel1. AS\_09125\_050116 000001\_L15f00d0 \_slice5\_channel1. AS\_09125\_050116 000001\_L15f00d0 \_slice1\_channel1. AS\_09125\_050116 000001\_L15f00d0 \_slice6\_channel1. png png png png png png png png png png
- 11. Hit "Process" and check your output folder. What changed?