Lessons:

* Images are data (pixel value arrays):
  + How to examine the pixel values
  + Histogram
  + Preserving the integrity of the data…
  + …vs. manipulations that will change it (e.g. ‘applying’ histogram range; non-\*90deg rotations; any other interpolated transforms; downscaling; compressed file formats).
* Using selections, ROIs, the ROI manager
* Using a plugin
  + E.g. Trackmate? Perhaps a bit ambitious but you could do, for example, a short demo­­­­­

Scripting exercises:

* Open each in a folder of images (e.g. .czi); autocontrast all channels; convert to RGB; add a scale bar; save them as .jpg. Check your work by drag-dropping it into powerpoint or similar.
* Segment for nuclei in the image. Try to exclude non-nuclei objects. Measure the changing intensity of each one over time. Save the data to a suitable format (e.g. a .csv file).