

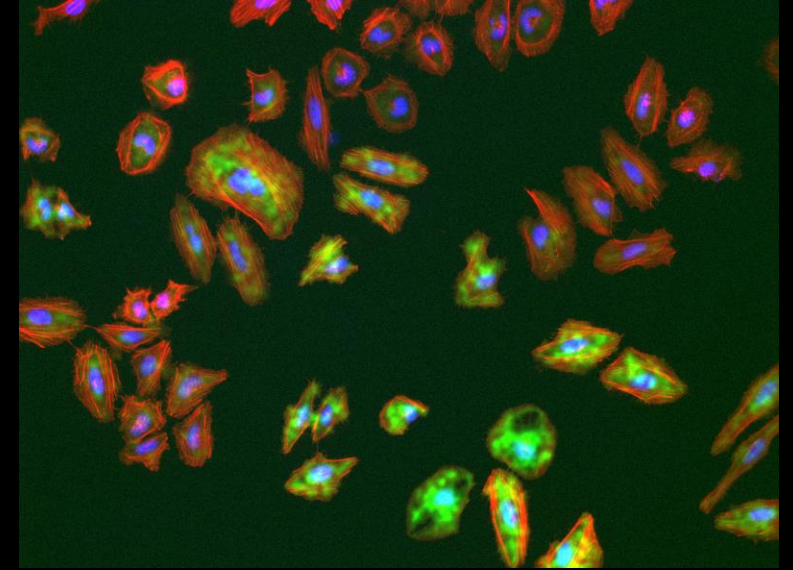
CHALLENGE 3

15 Points:

Estimate the nuclear-to-cytoplasmic ratio of GFP expression

5 Points:

Why is it a good idea to express the difference in protein localisation as a ratio?



Filter Noise

- Process > Filters

Segment cells from background

- Image > Adjust > Threshold

Manipulate Segmentation

- Process > Binary

Create New Mask Image

- Process > Image Calculator

Specify Morphological Measurements

- Analyze > Set Measurements

Quantify Morphology & Fluorescence

- Analyze > Analyze Particles