

QUIZ 4: INFLUENCE OF BACKGROUND & NOISE

A fluorescence microscopy image showing several cells with blue nuclei. The cytoplasm and extracellular space are filled with numerous small, bright green and red puncta, representing fluorescently labeled molecules or structures. The background is dark, and the overall image has a grainy texture, suggesting noise or low signal-to-noise ratio.

Open the images in the Quiz 4 folder with Bio-Formats:

- Using Coloc2, calculate Pearson's correlation coefficient for both images
- The images show the same field of view, but the correlation coefficients are different – why?