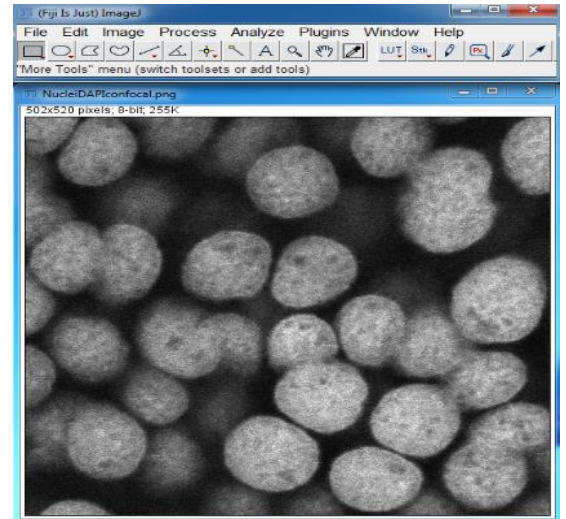


FIJI Particle Analysis Procedure

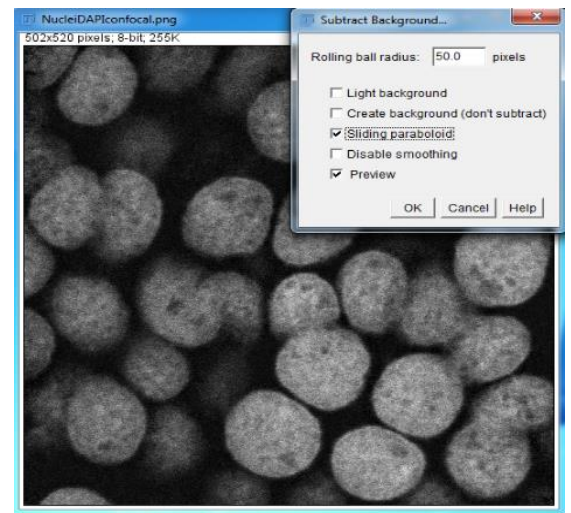
- Load NucleiDAPIconfocal.png
 - You may need to convert to 8-bit.
 - Image from:

http://imagej.net/Nuclei_Watershed_Separation



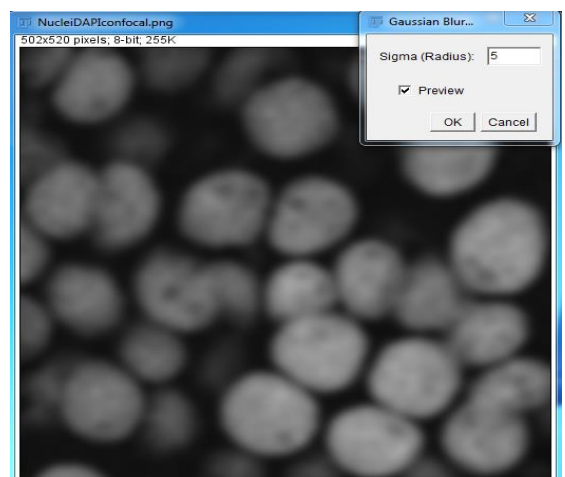
1. Process -> Subtract Background...

- Use Preview
- Try sliding paraboloid
- Adjust rolling ball radius



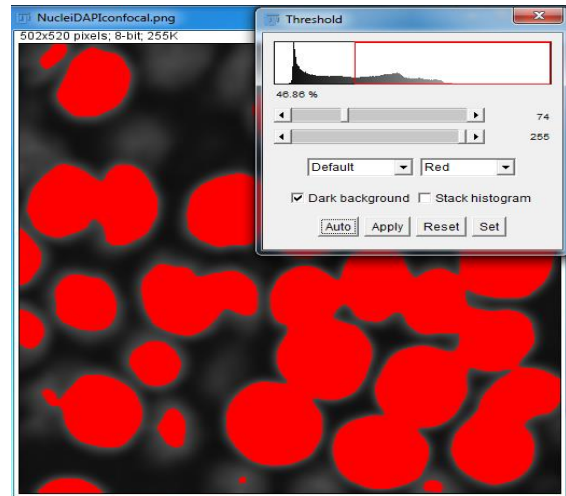
2. Process -> Filters -> Gaussian Blur

- Use Preview
- Adjust Sigma (blur effect)
- This smooths the nuclei



3. Image -> Adjust -> Threshold

- Use Dark Background
- Apply
- This creates an image mask



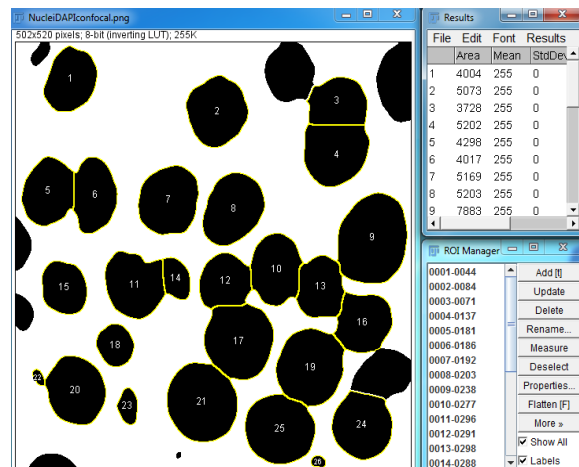
4. Process -> Binary -> Watershed

- This will split nuclei



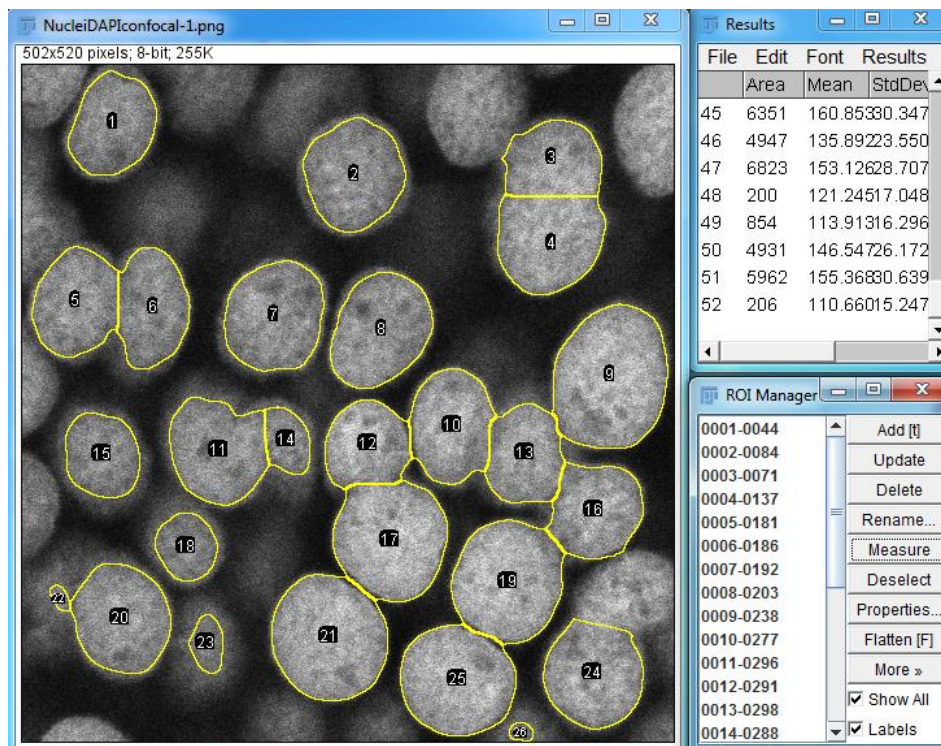
5. Analyze -> Analyze Particles

- Adjust Size Range
- Adjust Centricity
- 0 is a line, 1 is a circle



6. Reopen NucleiDAPIconfocal.png

- Select overlays from the ROI manger individual overlays or ctrl+A to select all
- Measure
- Copy results to excel



7. Analyze -> Set Measurements

- Select properties to measure

