**STEP 1: CONVERT IMAGE TO GRAYSCALE**

Original image in ImageJ

Converted to an 8-bit grayscale image

**STEP 2: INVERT**

Inverted image

**STEP 3: THRESHOLD**
IDENTIFYING QUARTER AREA

Detection of quarter area after being cropped, inverted, thresholded, and analyzed

Cropped to just the petri dish and inverted

Thresholded