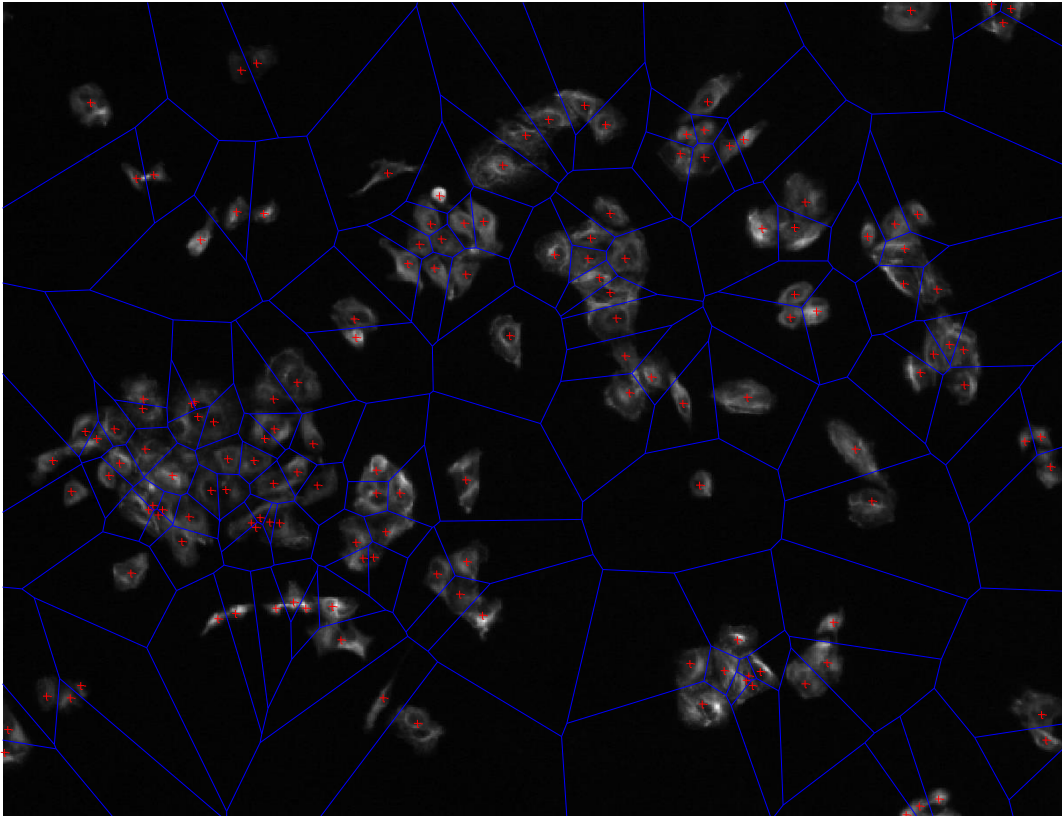# Voronoi diagram- BRACA1 MTs in CTL cells

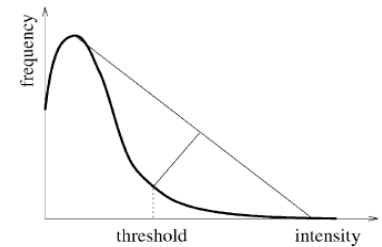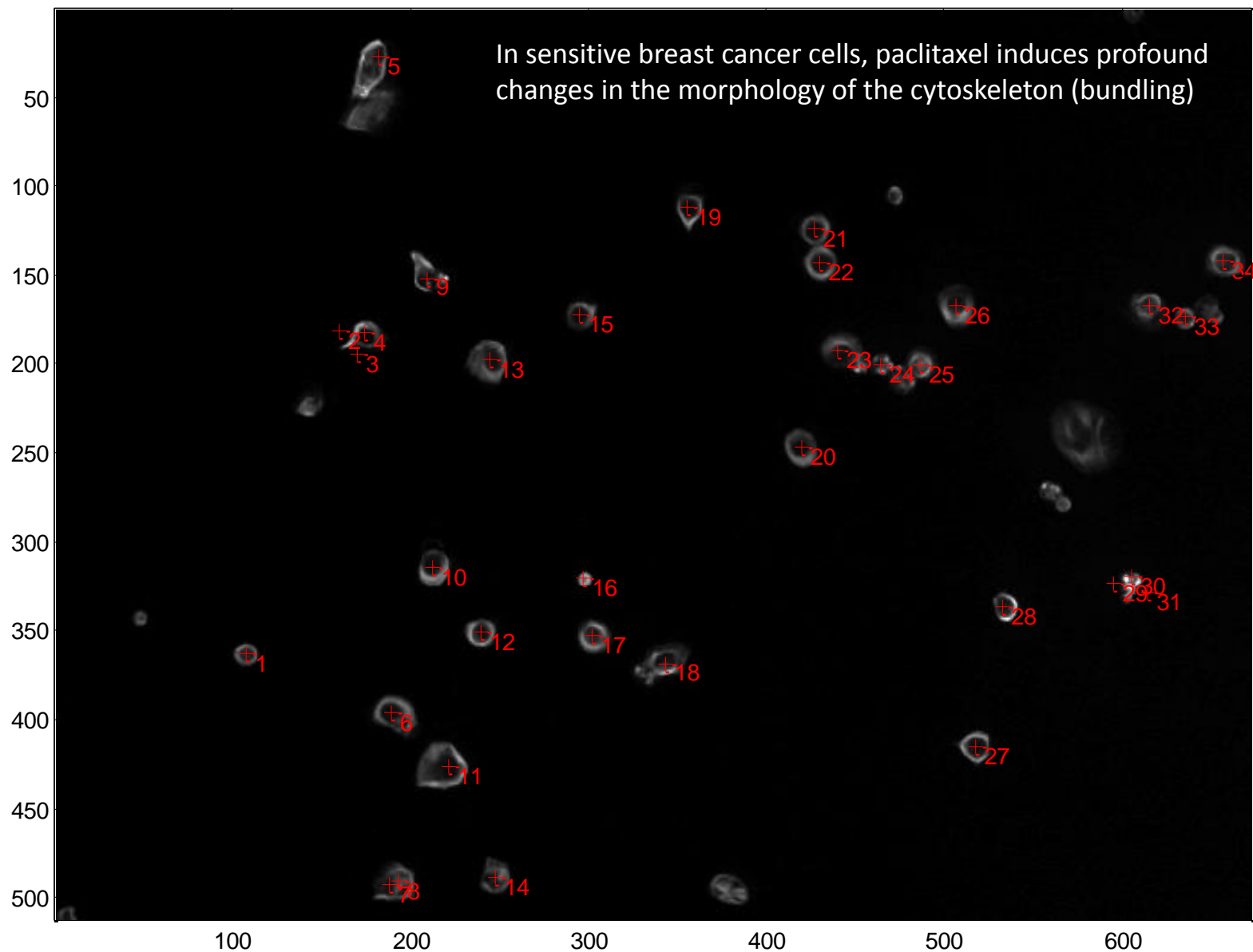DAPI channel – unimodal thresholding to segment nuclei

Fig. 1. Procedure for determining threshold from intensity histogram.

Then use the centroids (red) to build the Voronoi

A549 PTX

Raw Image TUB with Circles Detected (center positions marked)

In sensitive breast cancer cells, paclitaxel induces profound changes in the morphology of the cytoskeleton (bundling)

B1KD PTX

Raw Image with Circles Detected (center positions marked)

In resistant breast cancer cells, paclitaxel does not induce changes in the morphology of the cytoskeleton (bundling)

p < 0.00005

Bundle Area Intensity [A.U.]

A549 PTX   B1KD PTX