Nano-Particle Classification and Detection

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Overview

Analyzing Different Types of Nanoparticles

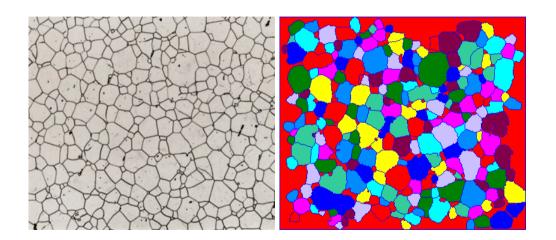
Watershedding Particles

Recursive Image Detection

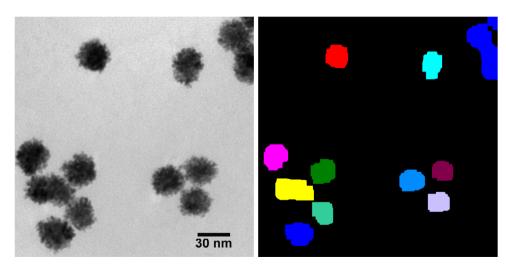
Critical **Develop New** Path Methods Improve Aquire More Final Model Existing Develop Recursion Detection

Final Model

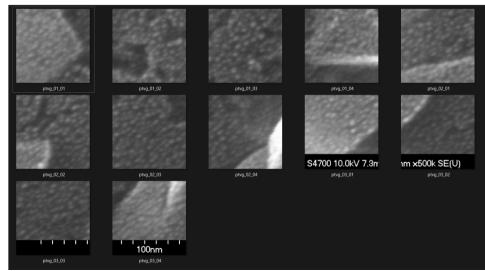
Grains



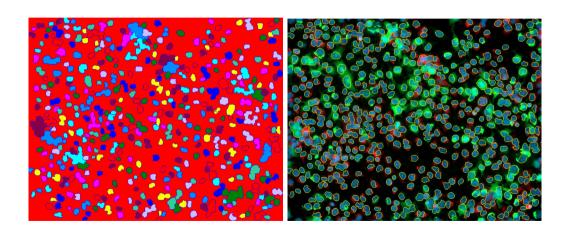
Black Particles



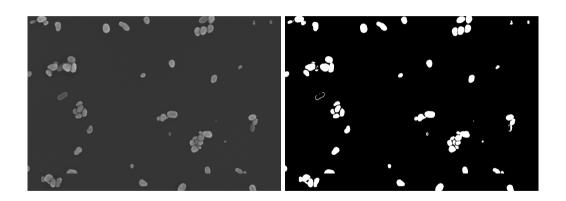
Split Image

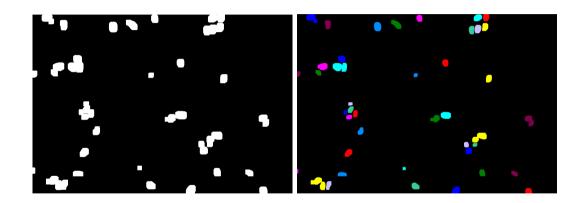


Watersheding Crowded Particles



Short Comings of Automatic Threshold



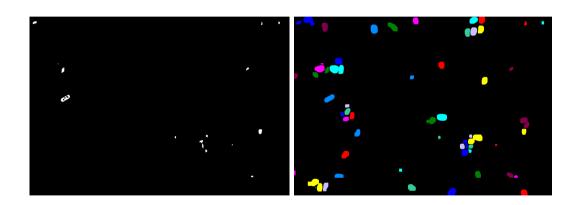


Blocking Detected Images





All Particles Detected



Final Model

Blue = Modeled / Red = Hand-Labeled

