A Predicting Cell Nuclei Locations

EM

PP Mask

ResNet-34

$N = N$

$N = 1$

Probability Map

Probability Map

Background Map

iterate

update background

Predicted Locations
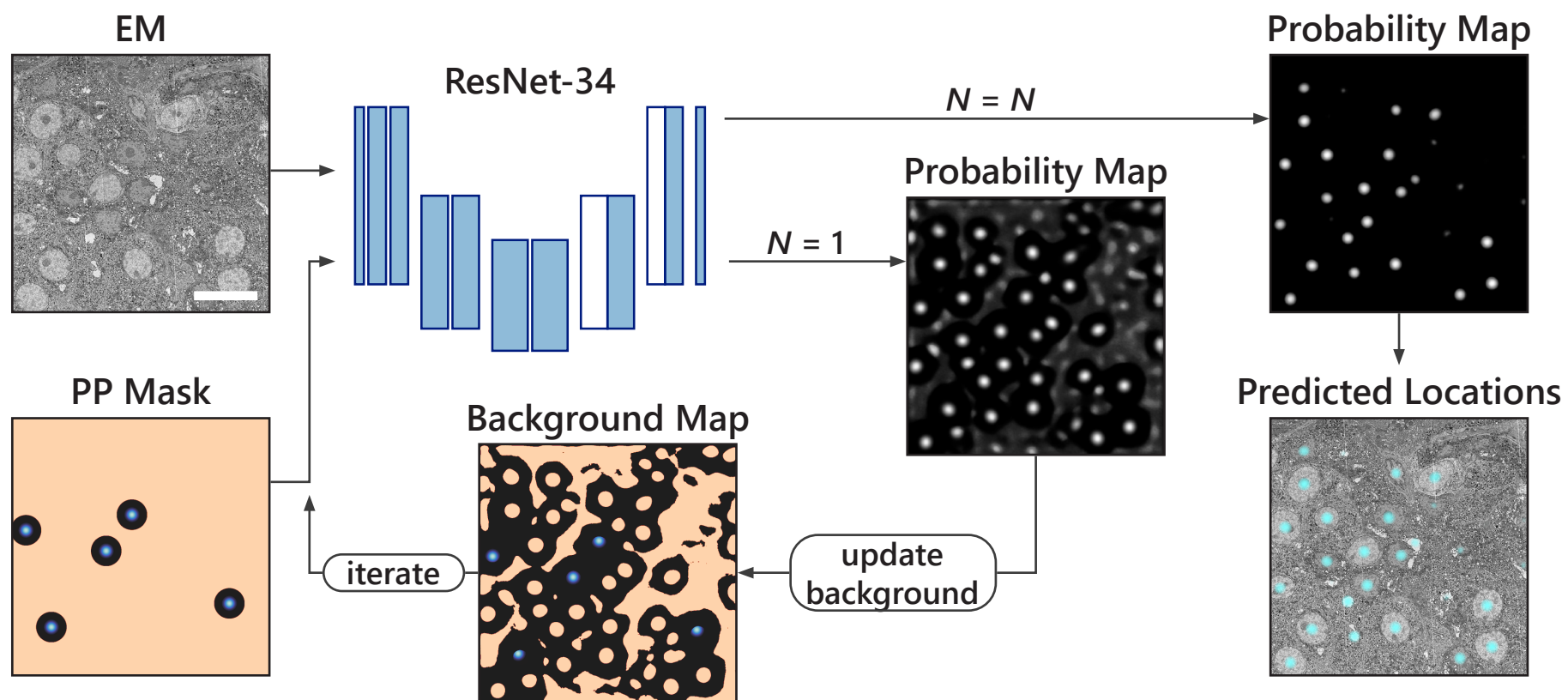
B Generate Segmentation Masks

Probability Map

Voronoi partitioning

Voronoi Diagram

distance transform

Distance Diagram

EM

k-means clustering

k-means Segmentation

intersection + morphologies

Merged EM-FM Labels

intersection

FM

thresholding

Binary FM Mask

Segmentation Mask