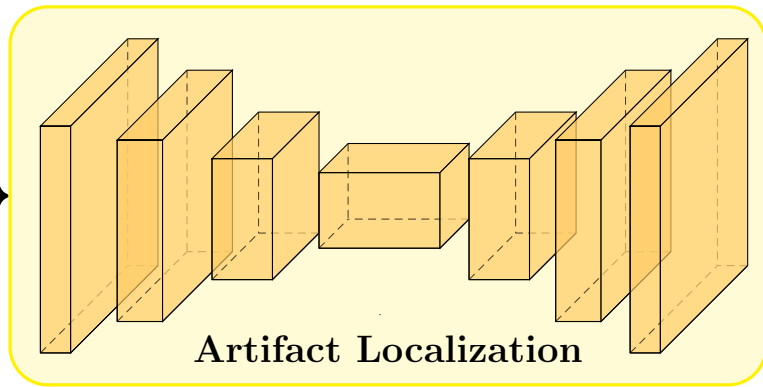


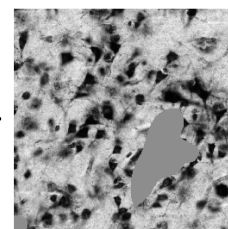
Original Crop



Artifact Localization



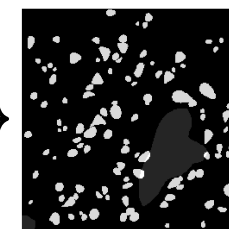
Artifact Mask



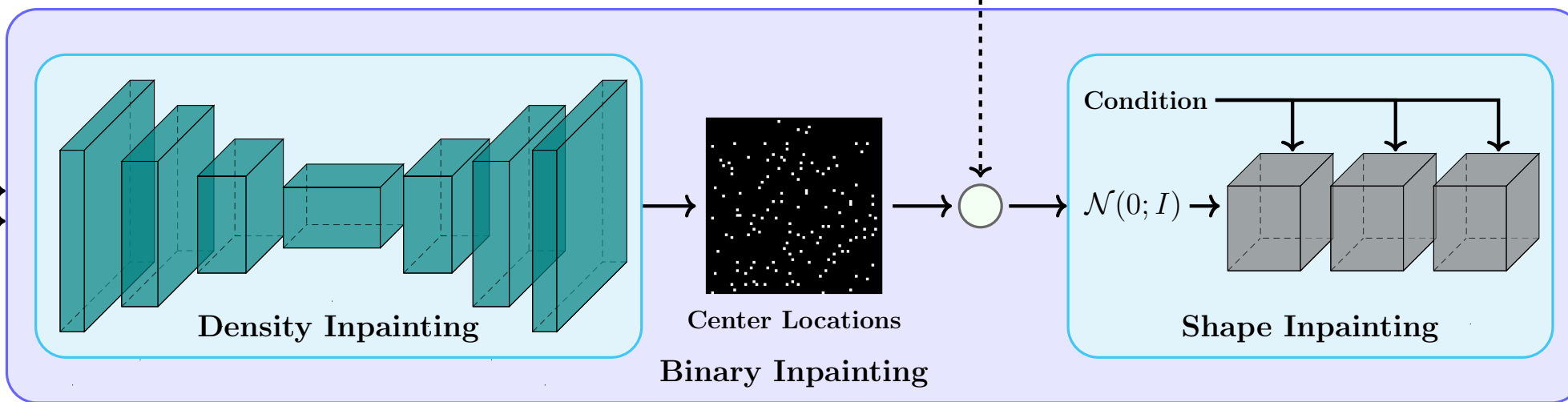
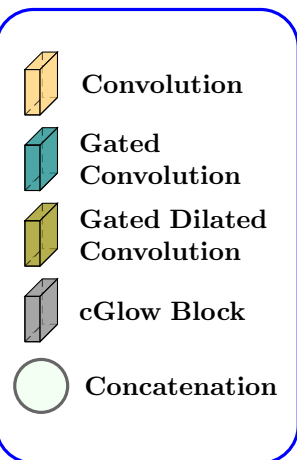
Masked Crop



CPN



Cell Segmentation



Density Inpainting

Center Locations

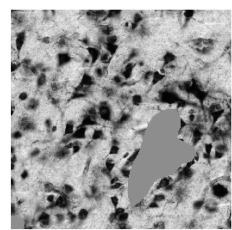
Binary Inpainting

Condition

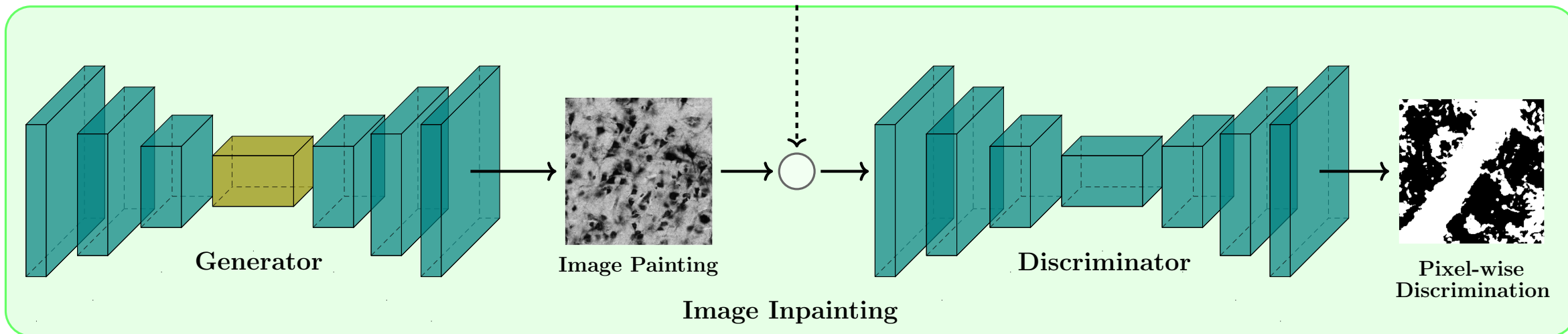
$$\mathcal{N}(0; I)$$

Shape Inpainting

Binary Painting



Masked Crop



Generator

Image Painting

Discriminator

Pixel-wise
Discrimination

Image Inpainting