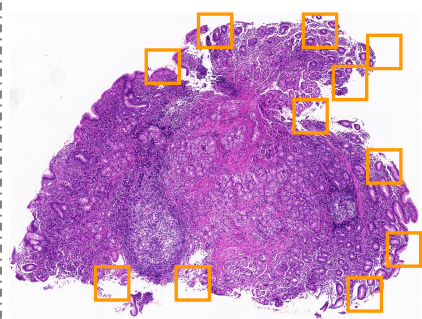
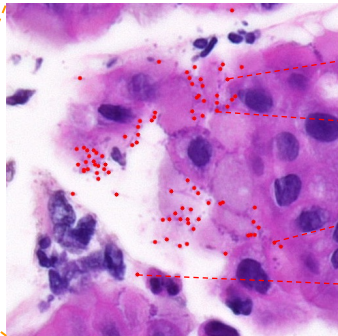


Stage-I: Generative Morphological Modelling



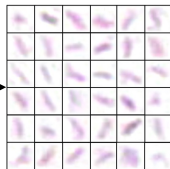
Whole Slide Image



Dot Annotation Patch

...

DCGAN



HP Generation

Stage-II: Expert-Knowledge Guided HP Placement



Coordinates

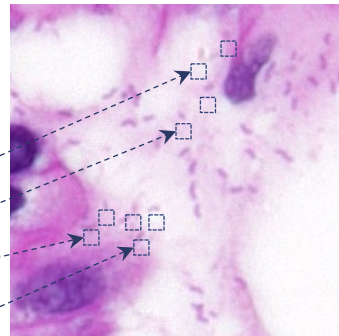
(x_0, y_0)

(x_1, y_1)

(x_2, y_2)

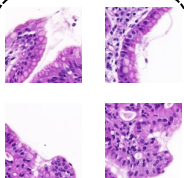
...

(x_n, y_n)

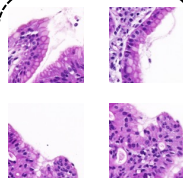


Synthesized Image

Stage-III: HP Counting



Original Images



Synthesized Images

