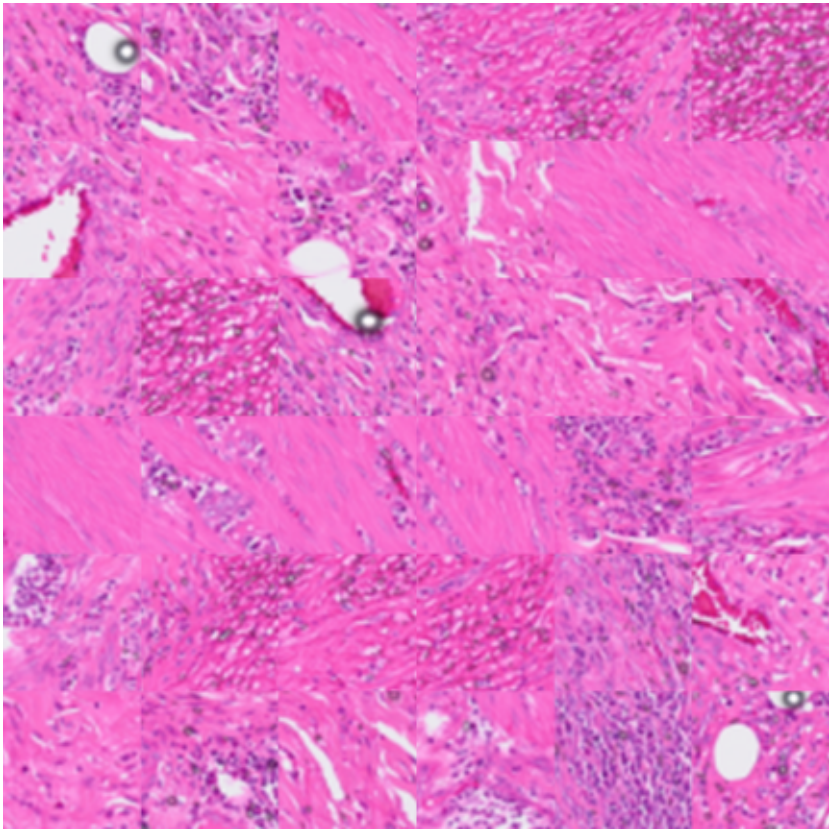
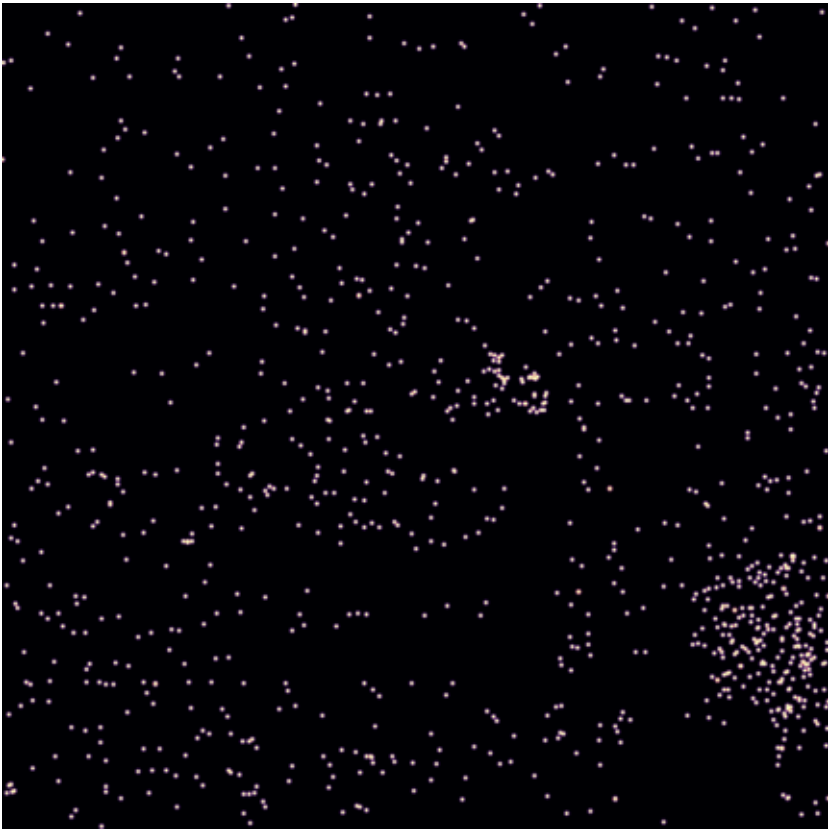


PIGR — WSI Comparison: MSE vs Poisson Loss  
36 patches from Patient P5 | Gray = non-tissue mask

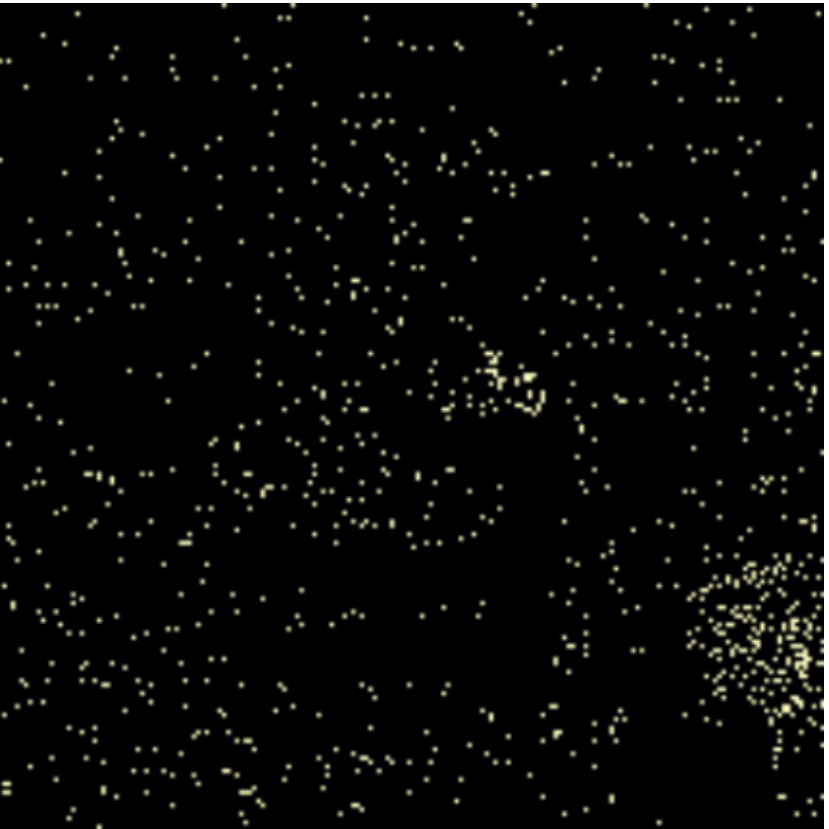
H&E Histology  
(WSI Mosaic)



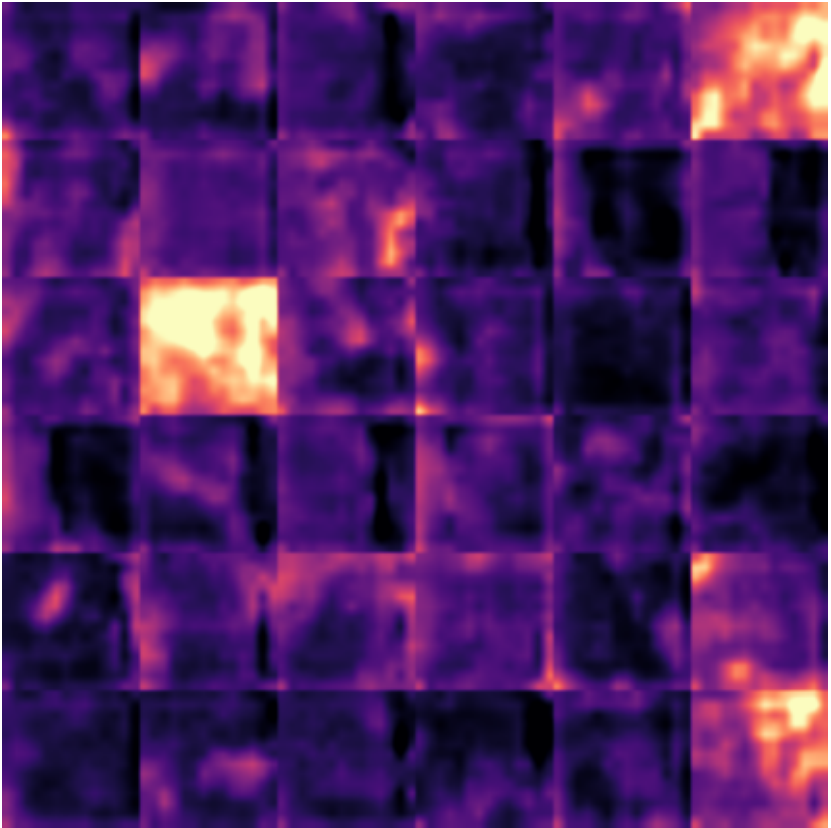
Ground Truth  
(2μm Visium HD)



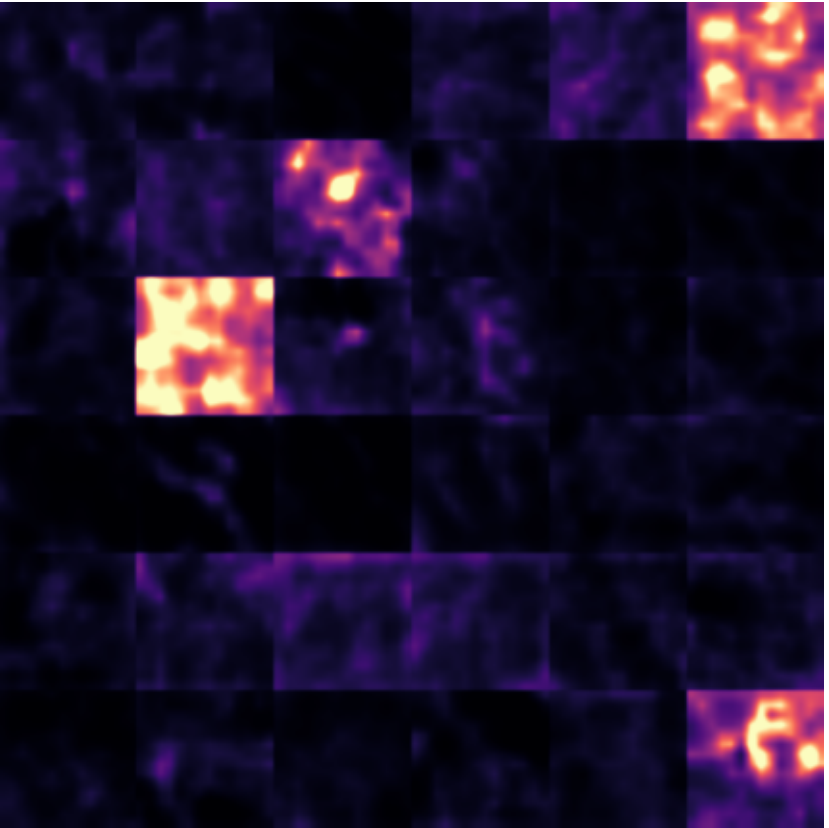
Ground Truth  
(8μm aggregated)



Model D (MSE)  
PCC<sub>8μm</sub>=0.011 | SSIM<sub>8μm</sub>=0.011



Model E (Poisson)  
PCC<sub>8μm</sub>=-0.006 | SSIM<sub>8μm</sub>=0.119



PIGR - Secretory Marker

Model Comparison:

	PCC	2μm SSIM	PCC	8μm SSIM
MSE	+0.003	0.003	+0.011	0.011
Poisson	-0.001	0.191	-0.006	0.119
Δ(E-D)	-0.004	+0.188	-0.017	+0.108

Key Finding:  
Poisson loss recovers  
spatial structure that  
MSE destroys.