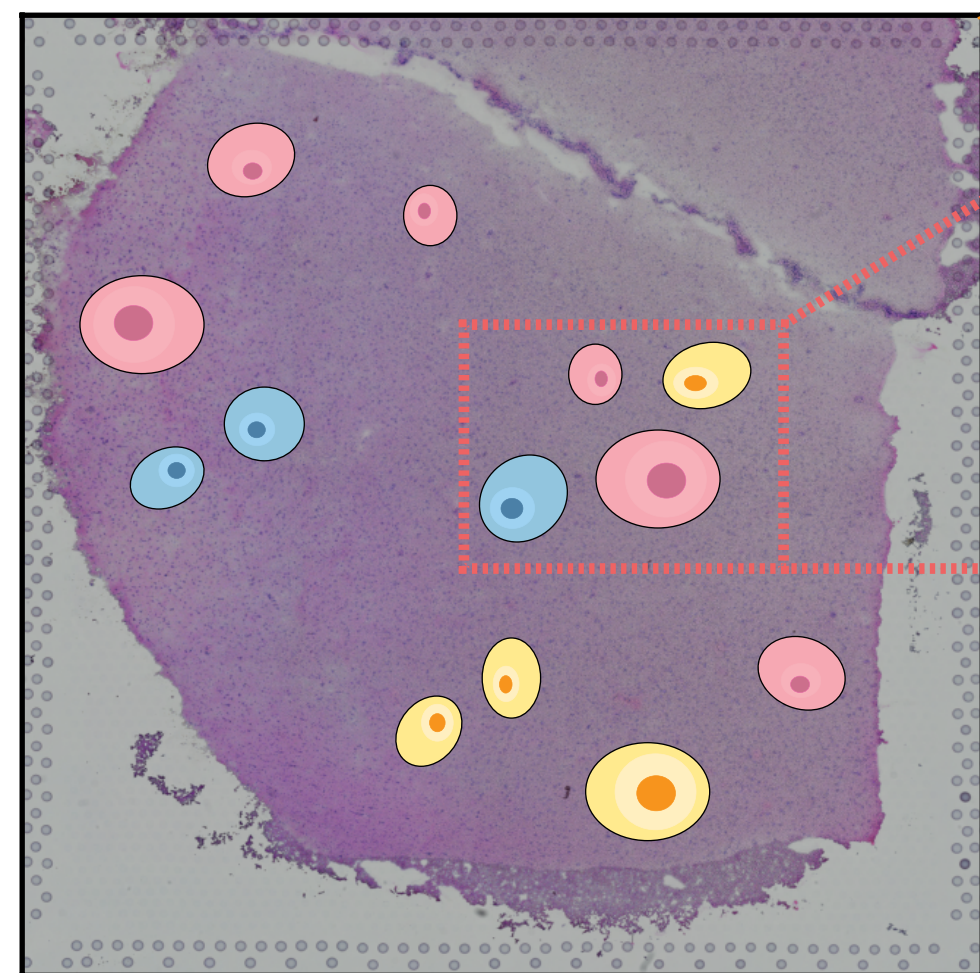
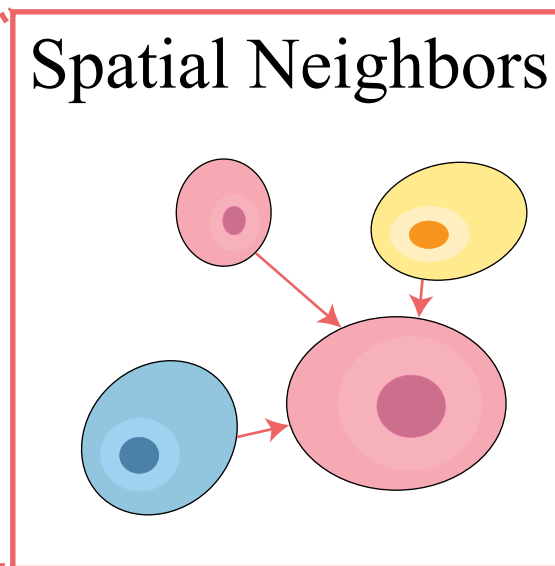
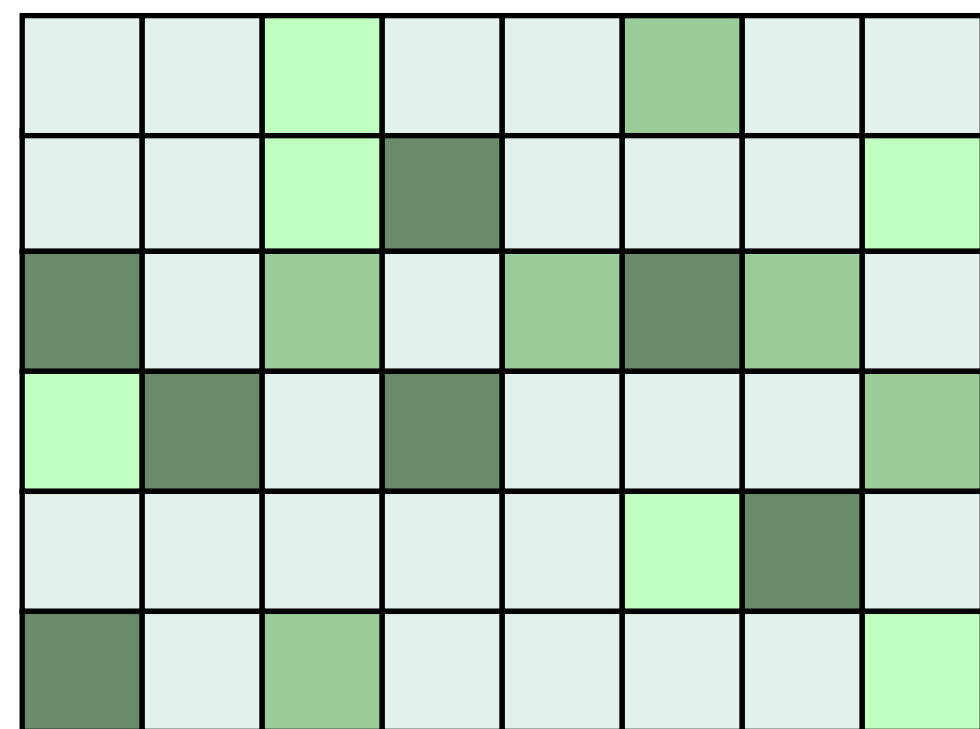


Spatial 2

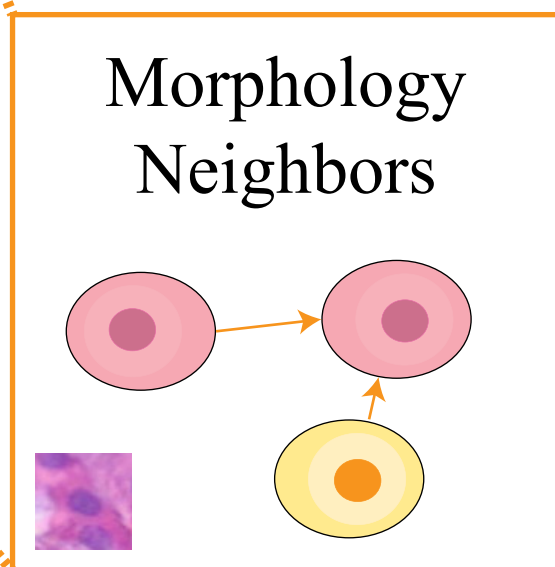


Spatial 1

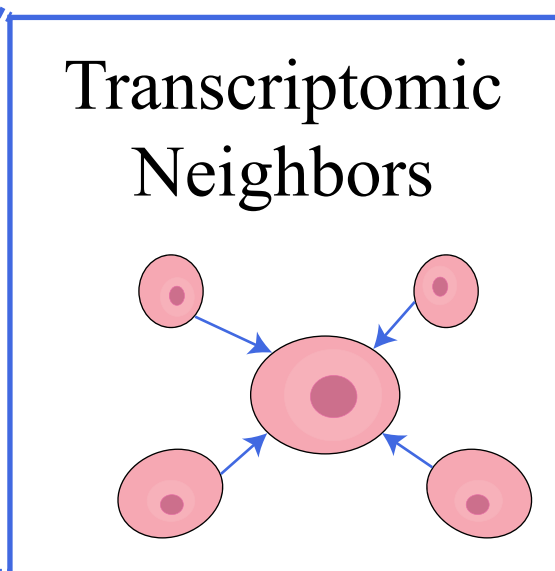
Gene



physically adjacent

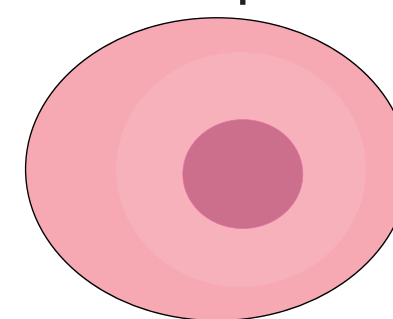


similar morphology



same cell type

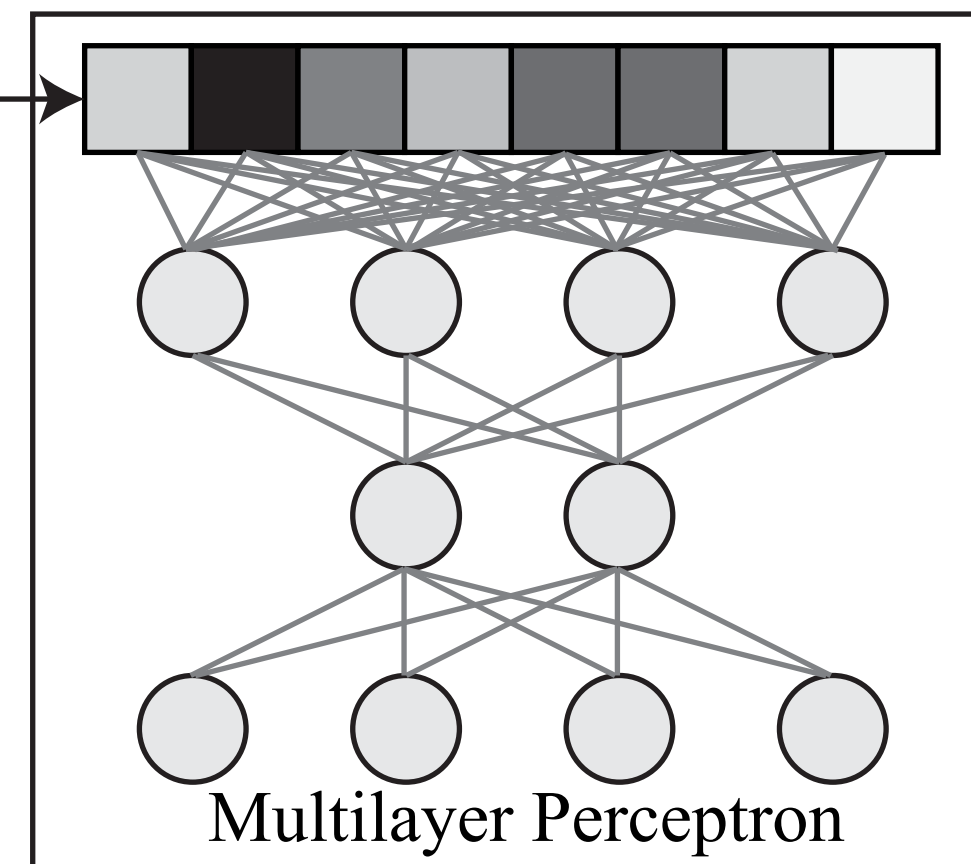
Cell  
Embedding



Target Cell

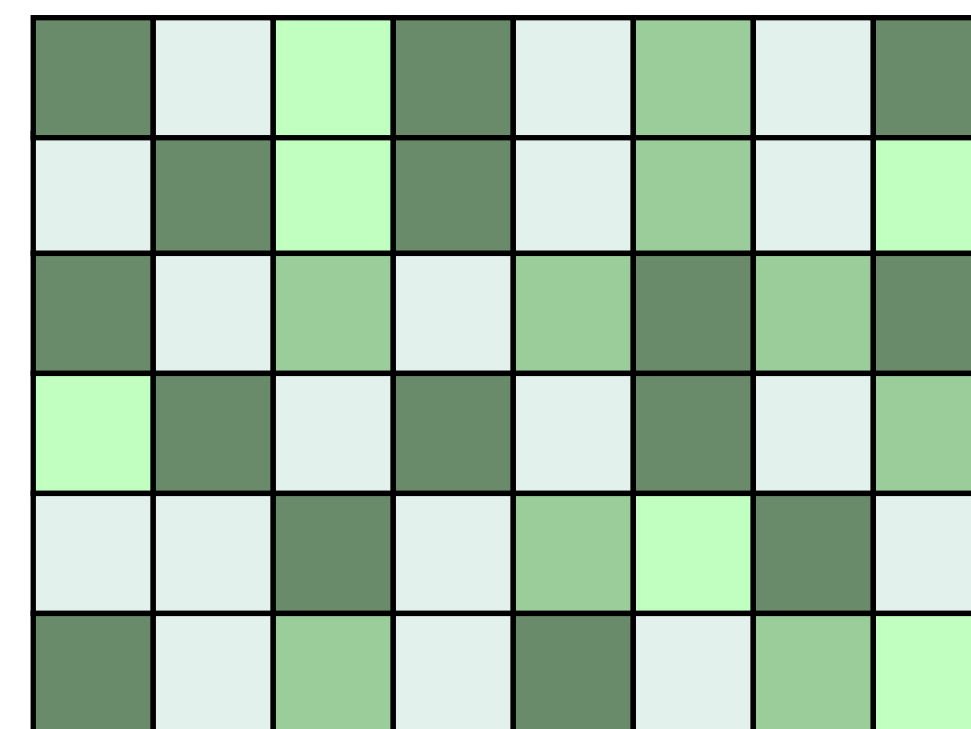
Heterogeneous  
Message  
Passing

Reconstruction Loss



Multilayer Perceptron

Imputed Gene



Cell

Cell