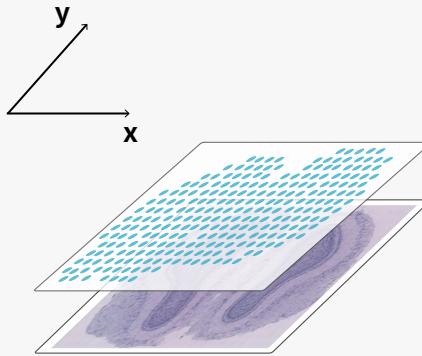
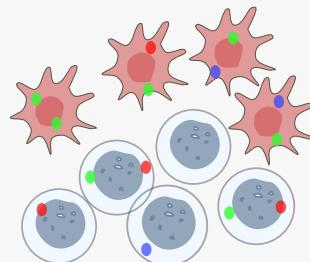


## Data Input Sequencing-Based



Visium, Stereo-seq, Slide-seqV2  
...

## Imaging-Based



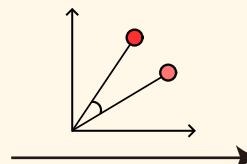
MERFISH, STARmap  
...

## Similarity Graph Construction

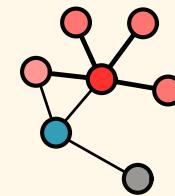
### Coord Expression

Spot 1	[Grey]
Spot 2	[Grey]
Spot 3	[Grey]
Spot 4	[Grey]
...	[Grey]
...	[Grey]
Spot n	[Grey]

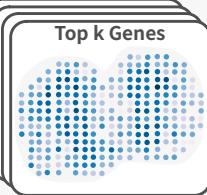
### Cosine Similarity



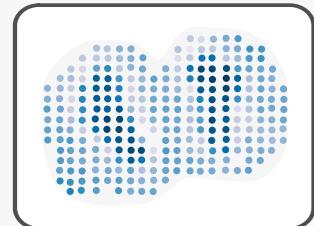
### Adjacency



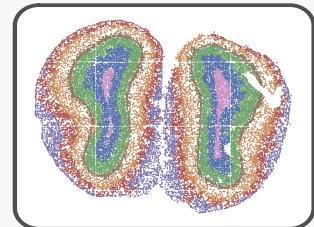
## SVG Selection



## Expression Enhancement



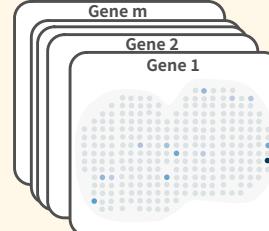
## Clustering



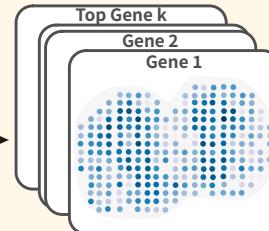
## Marker Genes Identification



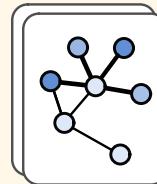
## Graph Laplacian Score based Feature Rank



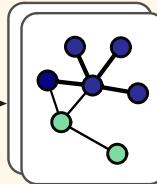
### GLS Ranking



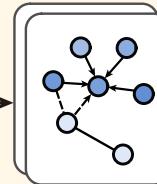
## Context-Aware De-noising & Augmentation



### HMRF



### Cada



### Iterative Update

