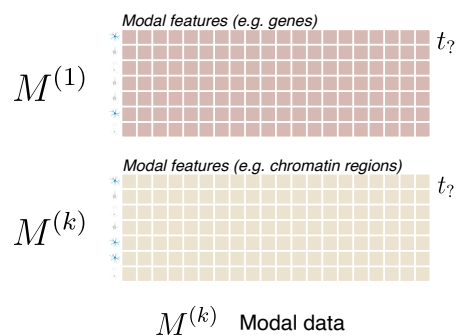
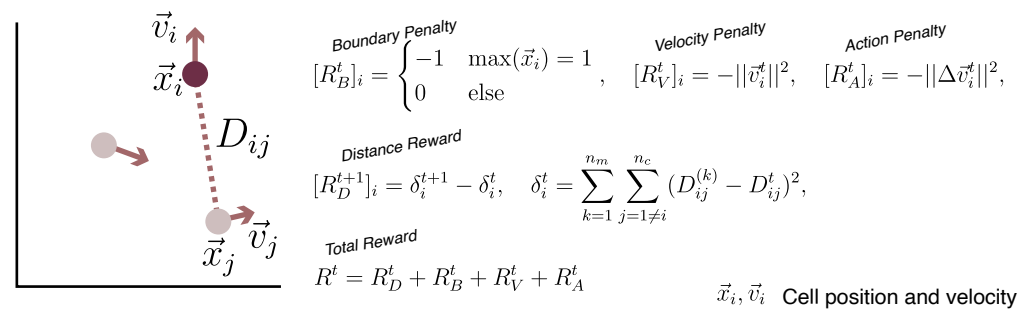


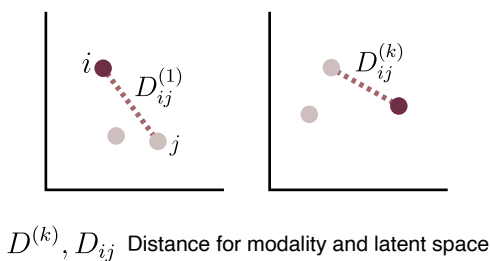
## Multimodal Single Cell Data



## Environmental Reward

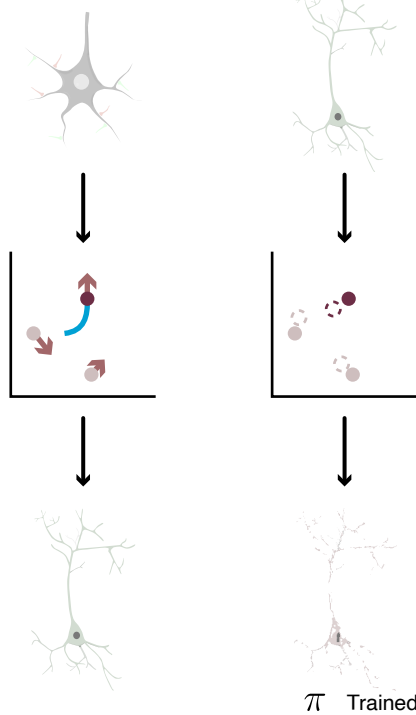


## Inter-Cell Distances



## Development and Disease Trajectory Reconstruction

## Perturbation Analysis and Feature Prioritization



$\vec{X}^{t_0}, \vec{V}^{t_0} \uparrow \downarrow R^{t_0}$

$t = t_0$

Random Initialization

$t = t_1$

$t = t_2$

$\vec{X}^{t_0}, \vec{V}^{t_0} \downarrow \nearrow \Delta \vec{V}^{t_0}$

## Per-Cell Action Loop

