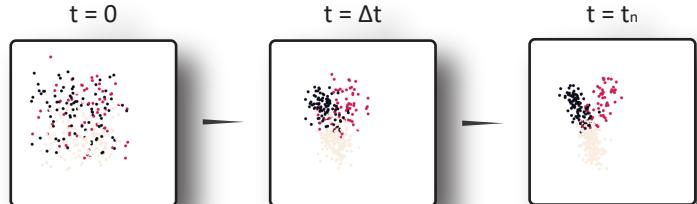


A



B



C



Altered Disease Trajectory
Cell Differentiation

0 weeks

1 week

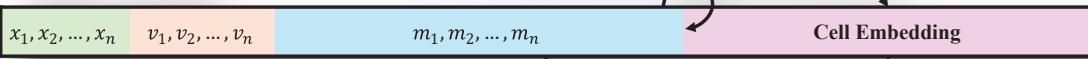
2 weeks

D

Cell Embedding



Neighbor Embedding



#Cells



Residual Self-Attention

Neighbor Embedding

Neighbor Embedding

...

Neighbor Embedding

#Cells - 1

State Vector

 $\Delta v_1, \Delta v_2, \dots, \Delta v_n$