Model training based on developing brain

Developing brain → Developing cells → scRNA-seq

A / B
Cell of origin
Reference dataset

Train one model for cell of origin classification

Train one model for cell age regression in A and one in B

Model repository
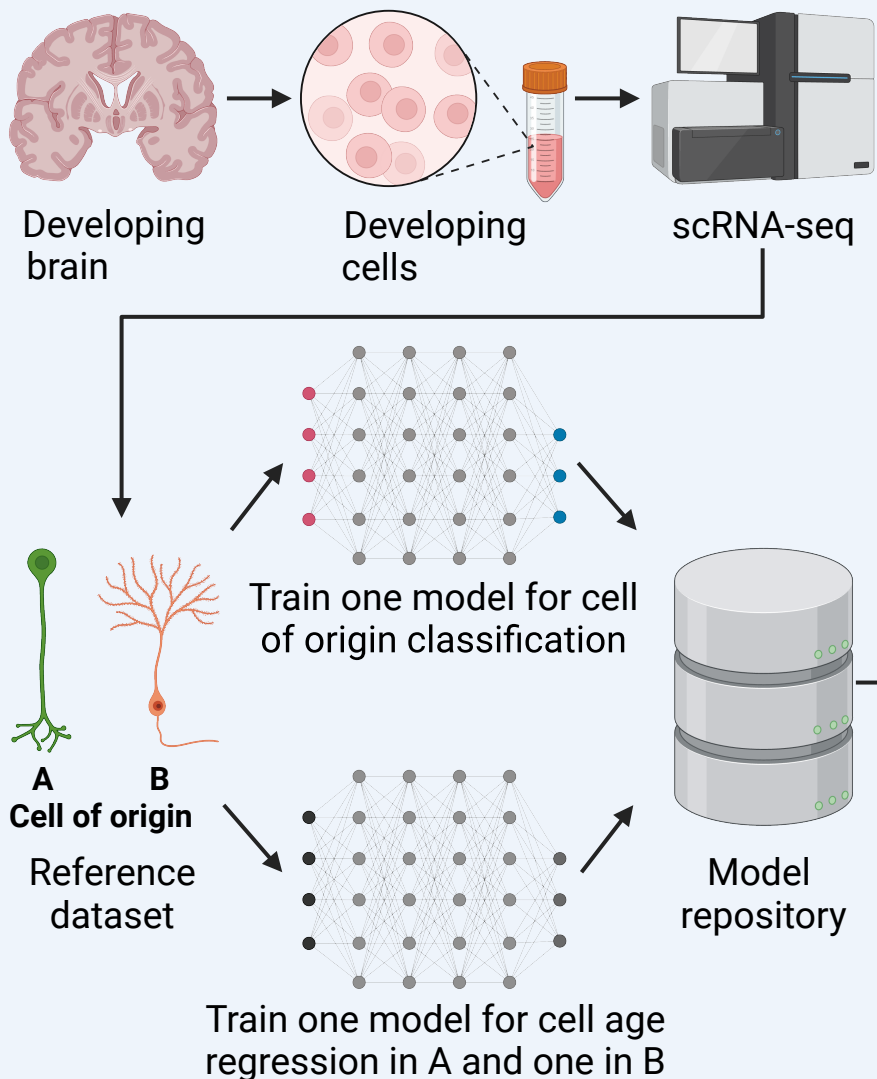
Tumor cell of origin mapping using pre-trained models

brain tumor → tumor cells → scRNA-seq

Cell of origin ?
Testing dataset

Map tumor cells using cell of origin classifier

A
Testing dataset

A
Cell age ?
Cell age ?
Cell age ?
Testing dataset

Map tumor cells using cell age regressor A

A
Cell age X
Cell age Y
Cell age Z
Testing dataset