

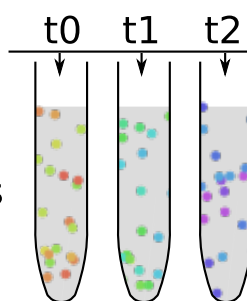
A

Snapshot of cell population

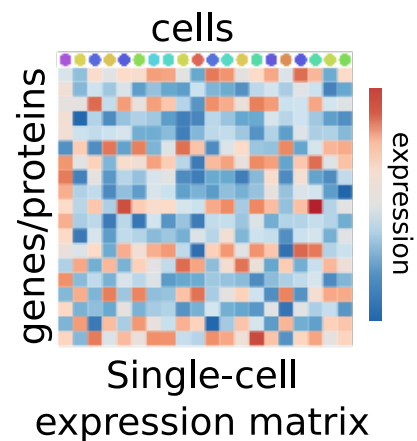


OR

Synchronized cell populations



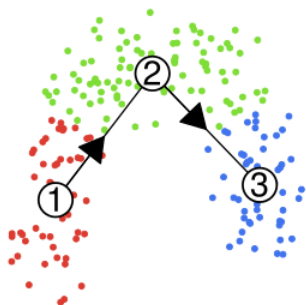
sc-RNAseq
sc-qPCR
flow/mass cytometry



Trajectory inference

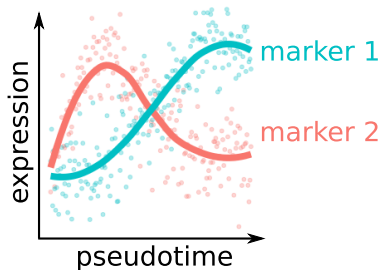
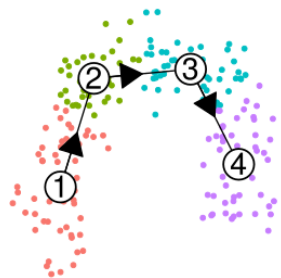
B

Linear trajectories



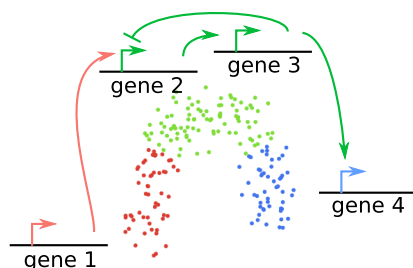
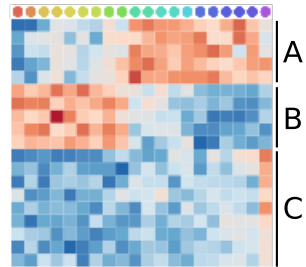
Identification of new transition states

Delineation of state specific surface markers



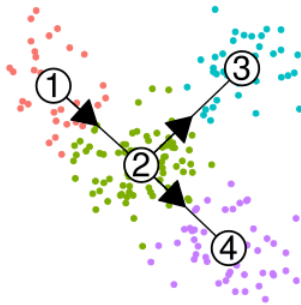
Modules of pseudo-temporal co-expression

Temporal dynamics of gene regulation



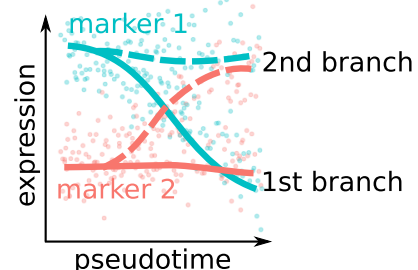
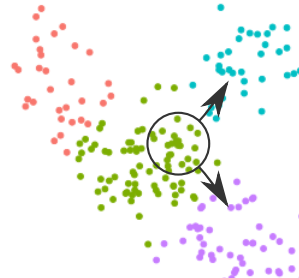
C

Branched trajectories



Identification of bifurcation state

Delineation of branch specific surface markers



Wiring of differentiation tree

Transcriptional regulation of branching

