

# Accepted Manuscript

Inference of cell type specific regulatory networks on mammalian lineages

Deborah Chasman, Sushmita Roy

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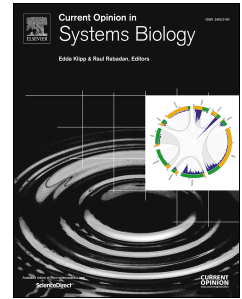
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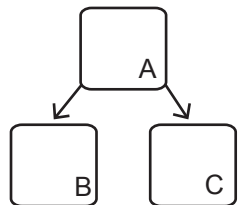
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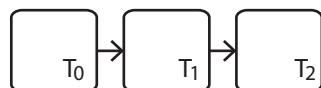
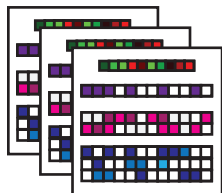


**Multiple contexts**

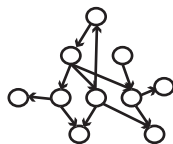
Cell lineage tree



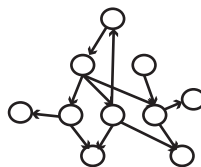
Time

Inferred  
pseudotime**Integrative data**Context-specific  
measurements

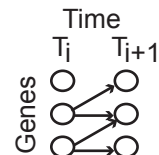
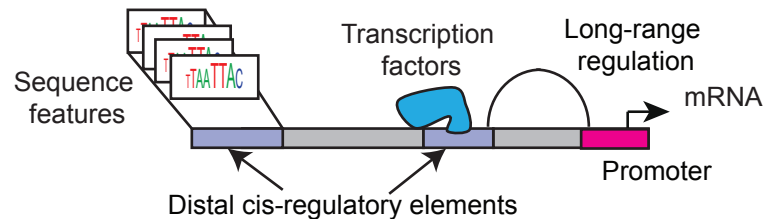
Prior networks

**Expression-based network inference**

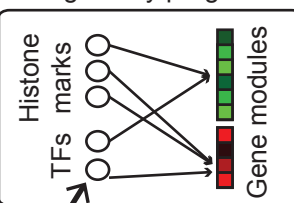
One network



Dynamic network

**Context-specific proximal and distal regulatory elements****Integrative network inference and comparison**

Cell type specific networks

Integrative  
regulatory programs

Regulators of cell fate

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