

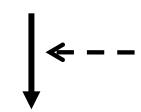
## Cues

(e.g. growth factors, steroids, ECM)



## Signals

(e.g. phosphorylation, transcription)



Due to time scale and multiple components, difficult to model with mechanistic detail

## Response

(e.g., proliferation, apoptosis, migration, differentiation)