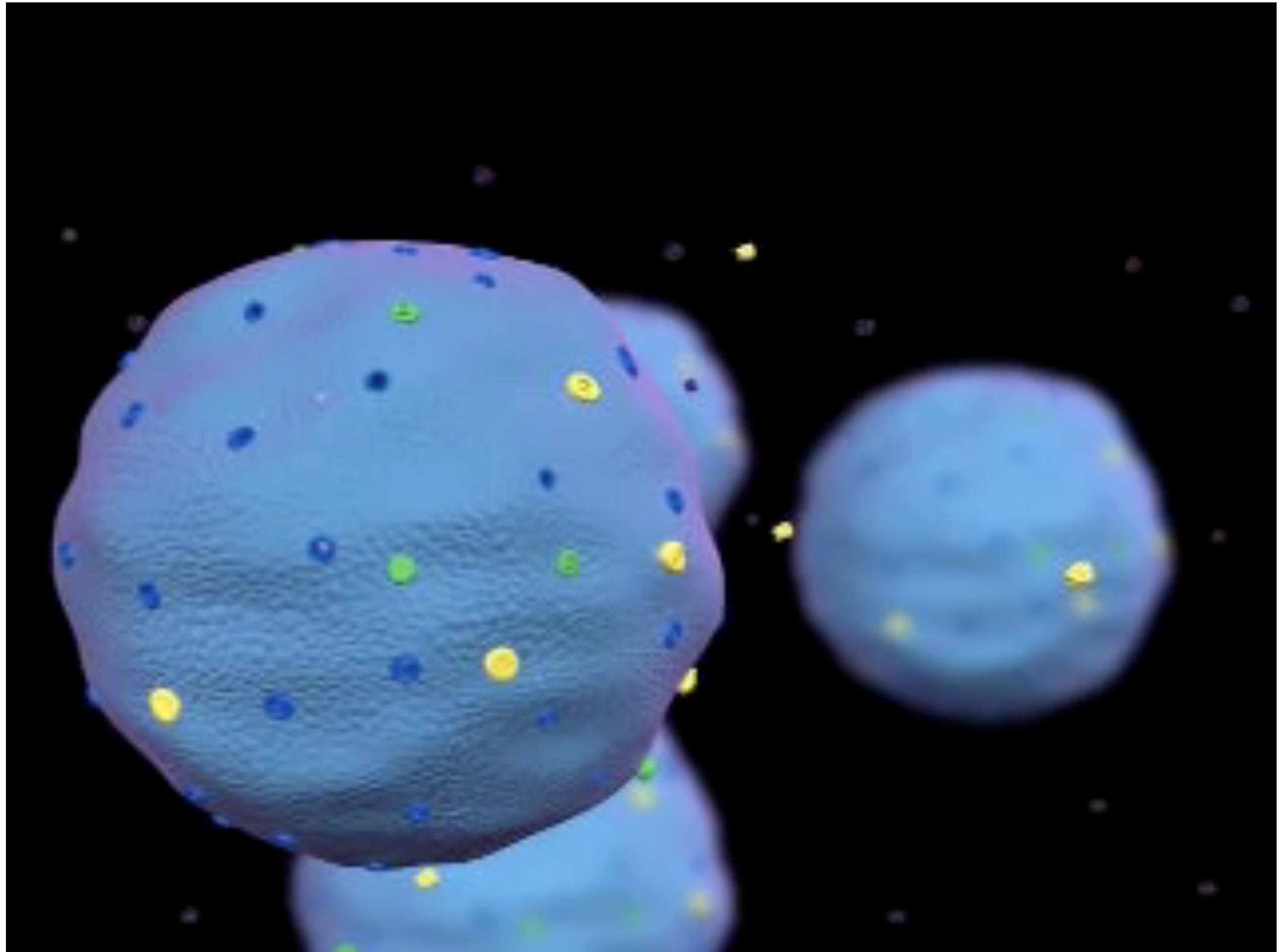


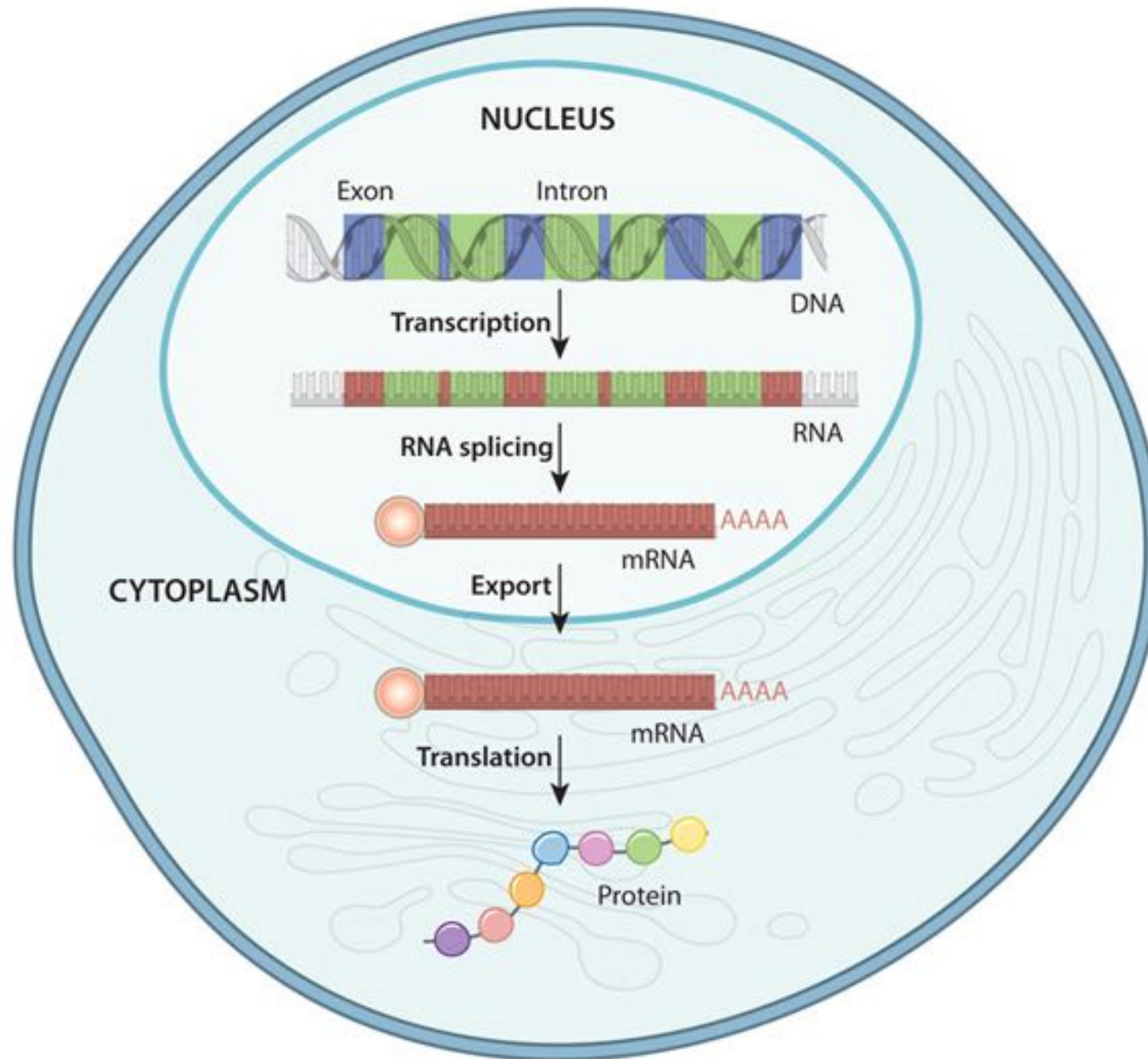
RNA *velocity*

Exercises Week 6

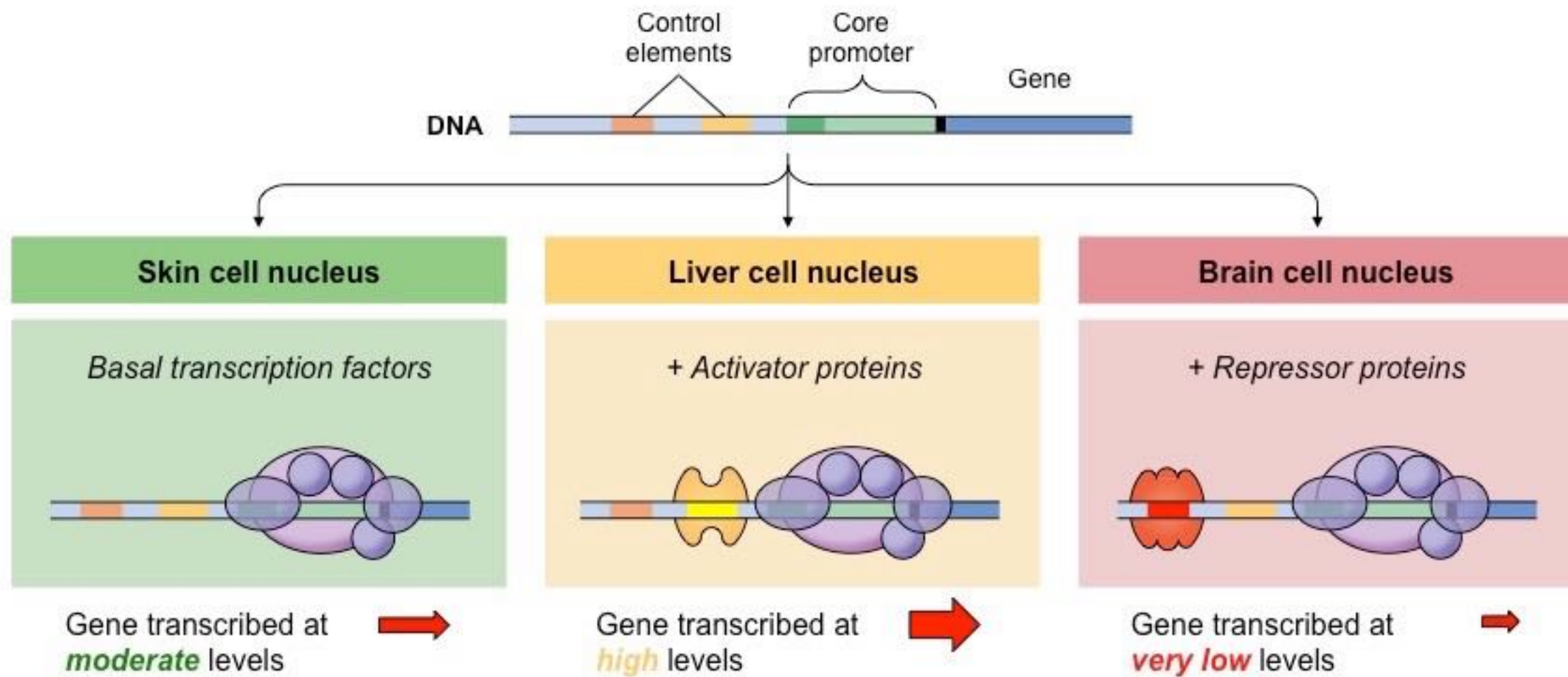
Signal transduction to gene expression



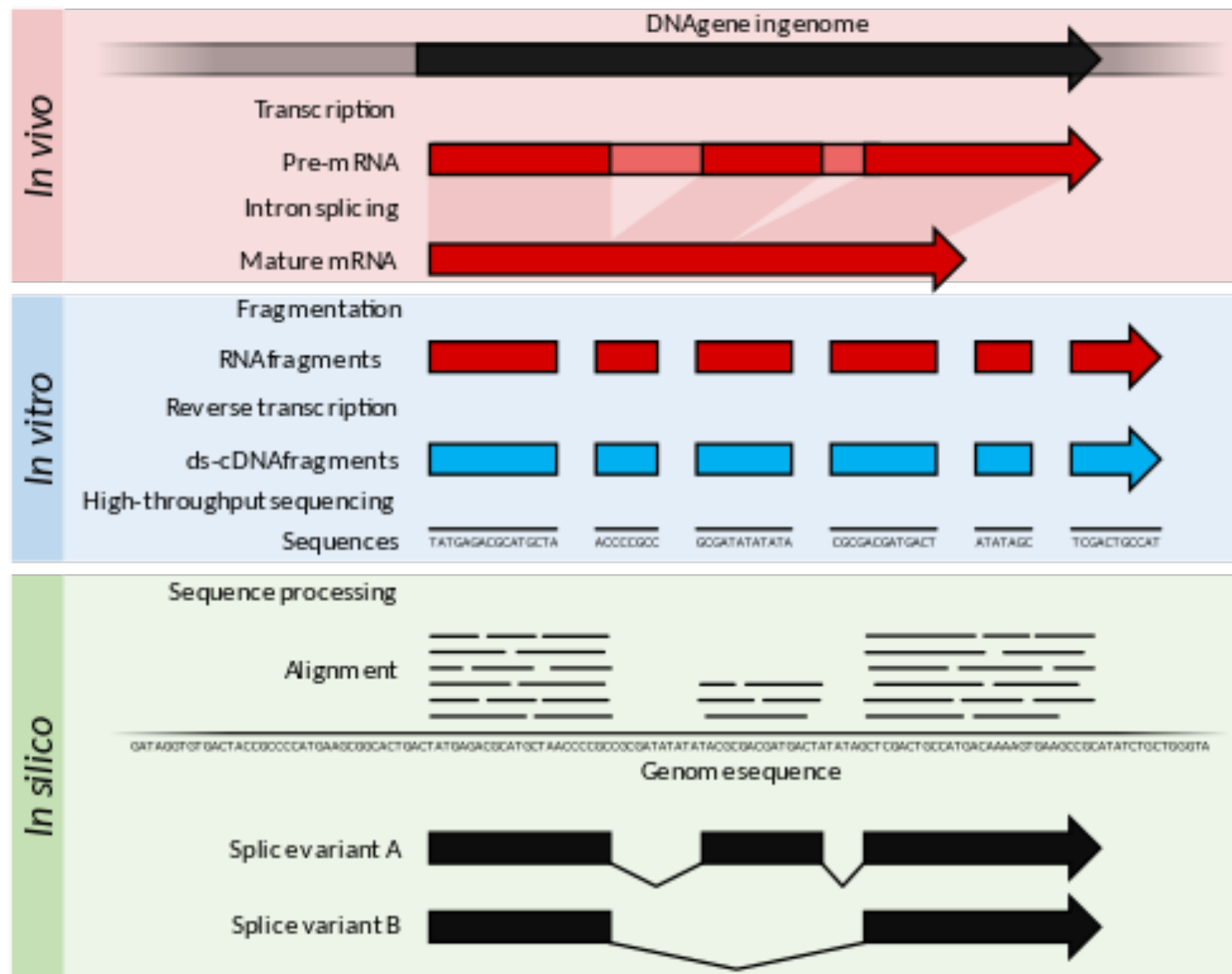
Gene expression



Differential gene expression



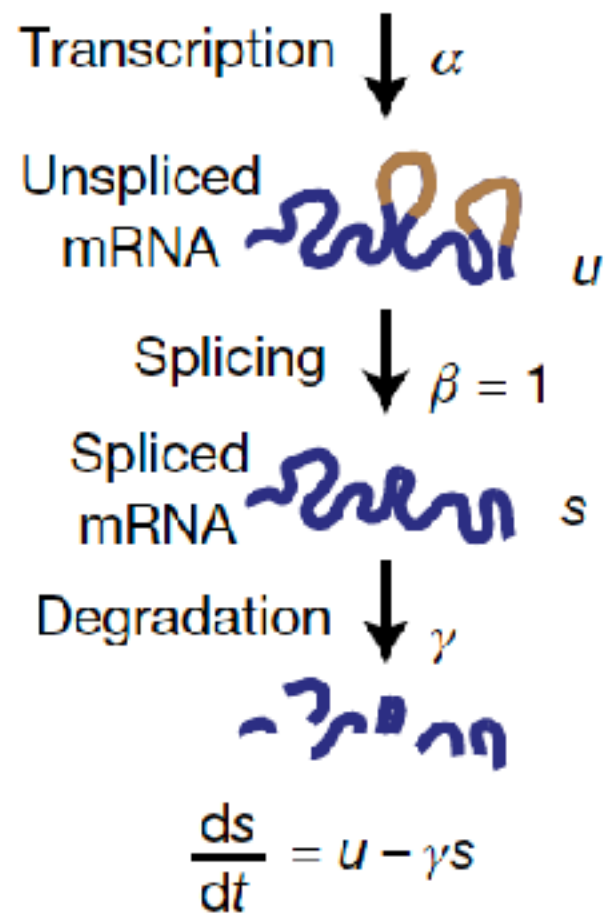
RNAseq



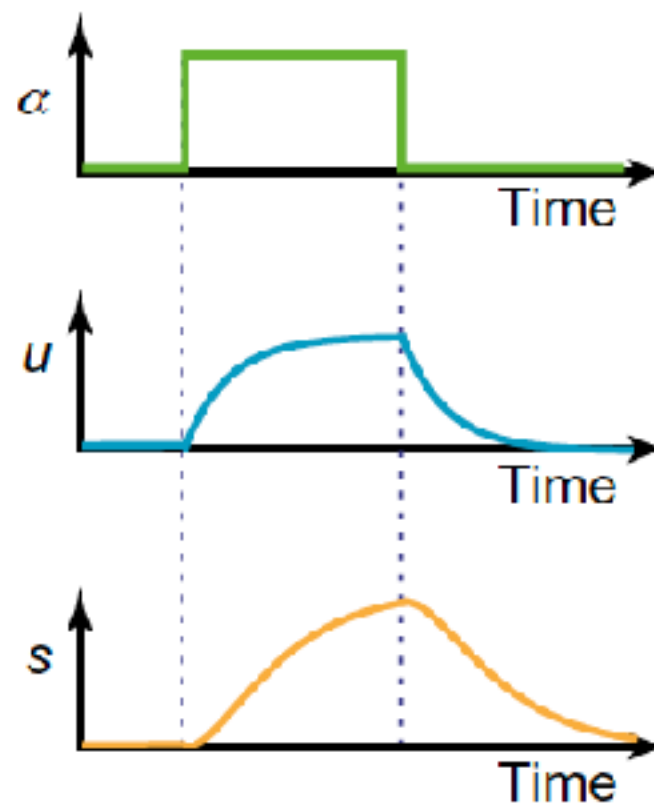
- Counts the number of reads
- Different tissues display different profiles
- Single cell possible
- Variance between cells turns out to be high
- Snapshot in time
- We always threw out the intron reads...

RNA velocity

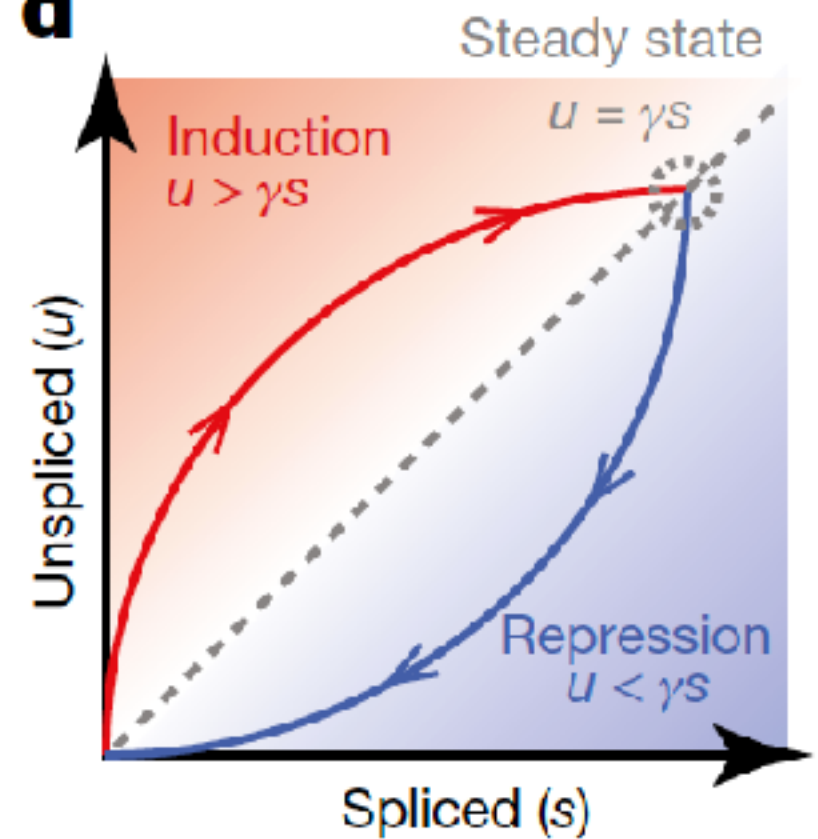
b



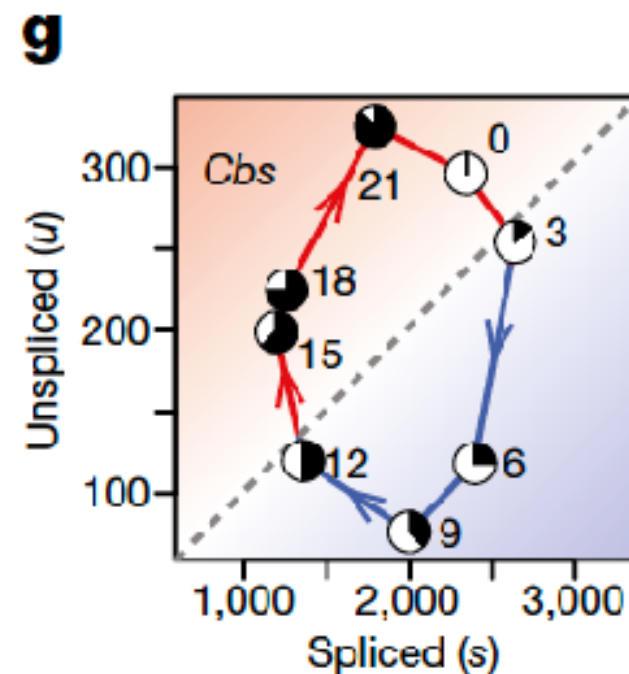
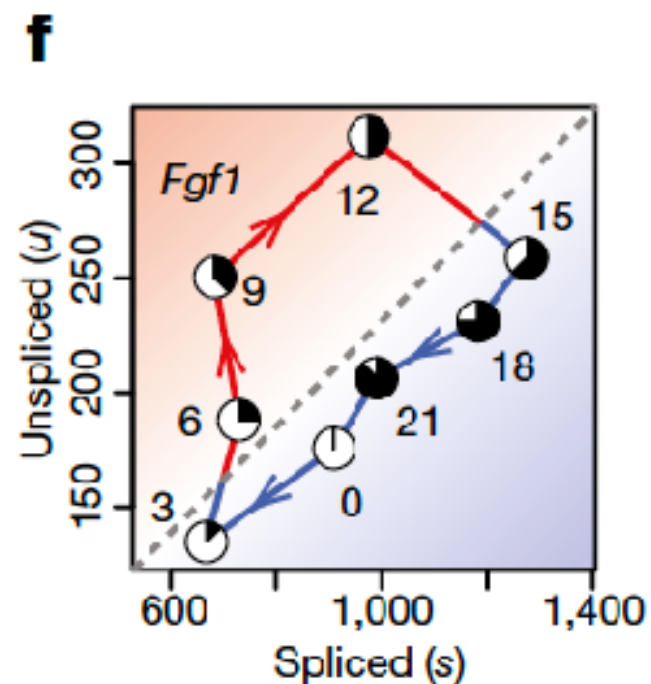
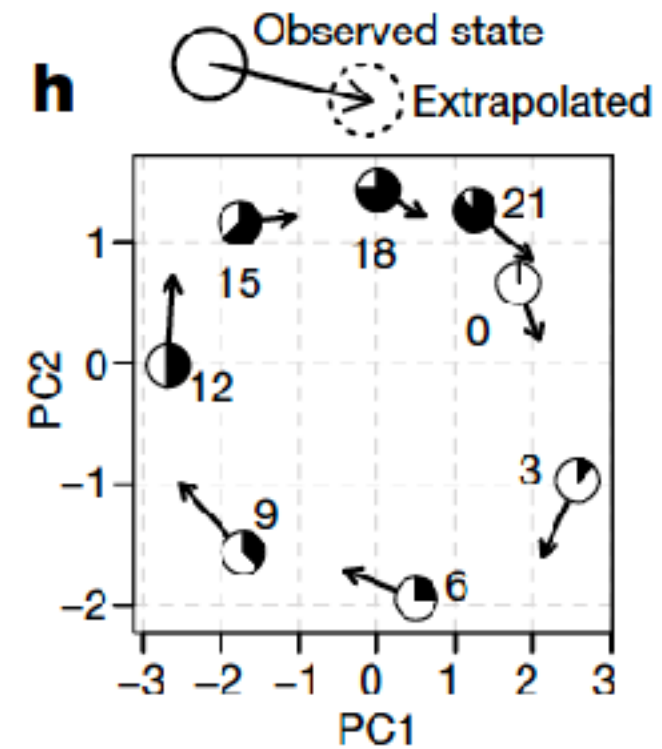
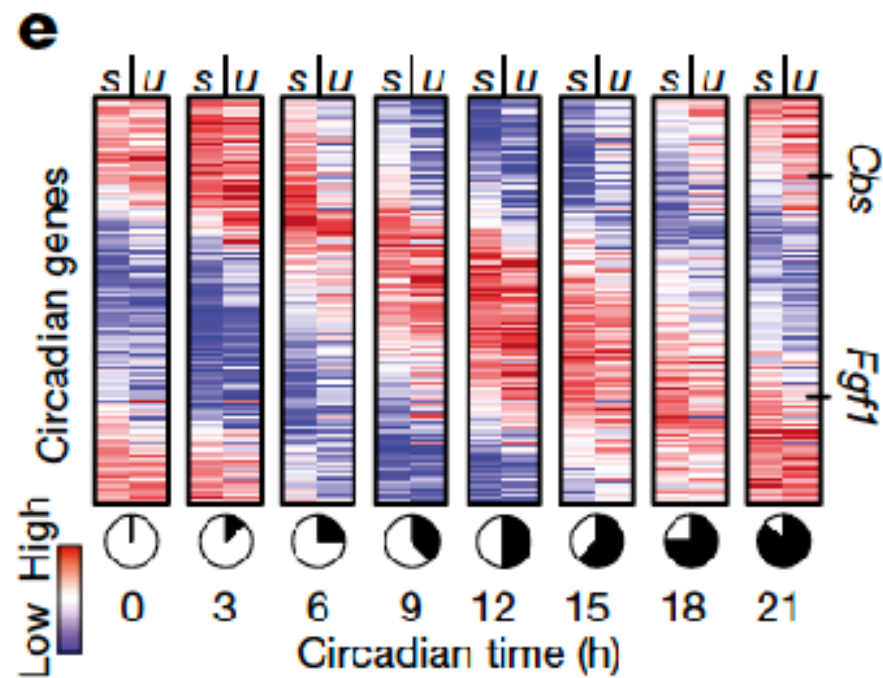
c



d



Validation on circadian clock



Differentiation in the hippocampus

