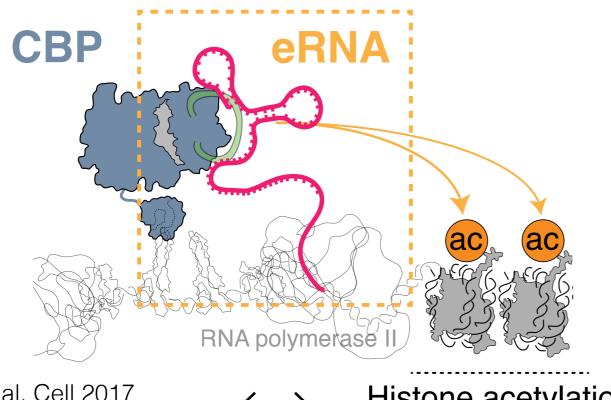
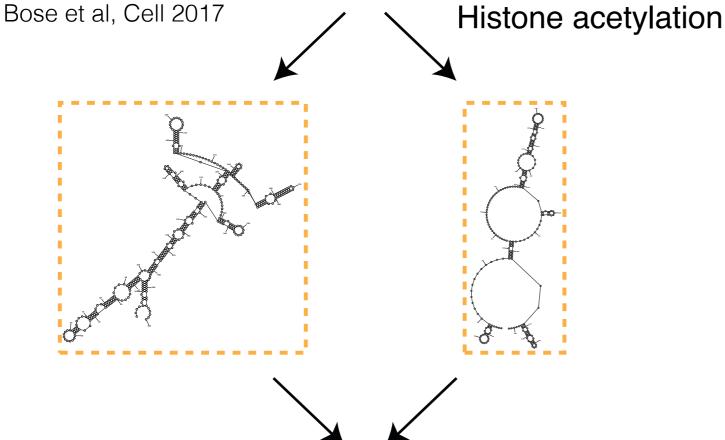
Daniel Bose



- eRNAs interact with chromatin regulators to modulate function
- 2. eRNAs are enhancerspecific regulators



Hypothesis: eRNA structure determines function

Gene Expression?

A new framework to characterise eRNA function

Characterise functional eRNA domains



My Research





Structural basis for eRNA function

Genome wide basis for eRNA function

Importance

- Non-coding mutations at enhancers are common in disease
- ncRNA binding very common among chromatin regulatory proteins



Future

- Molecular basis for non-coding disease
- Therapeutic targeting of specific enzyme populations