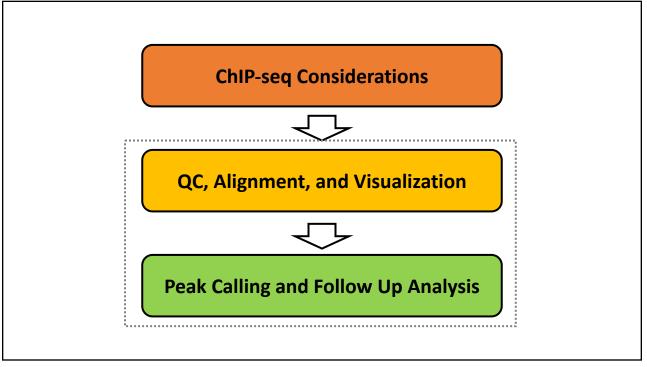
ChIP-Seq Data Analysis: Probing DNA-Protein Interactions

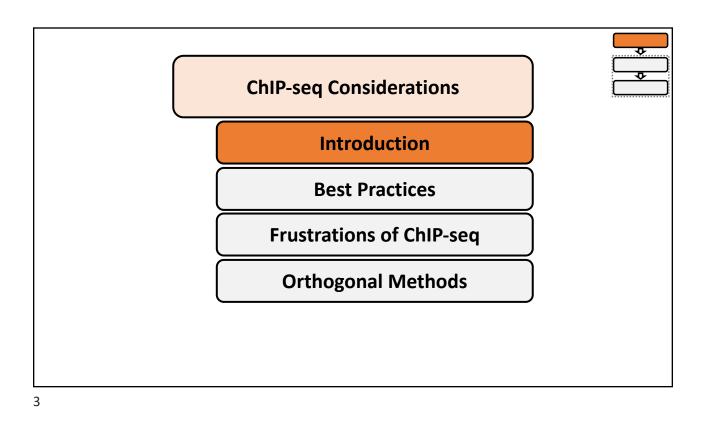
Paul Schaughency^{1,2}, Tovah Markowitz¹, Vishal Koparde³

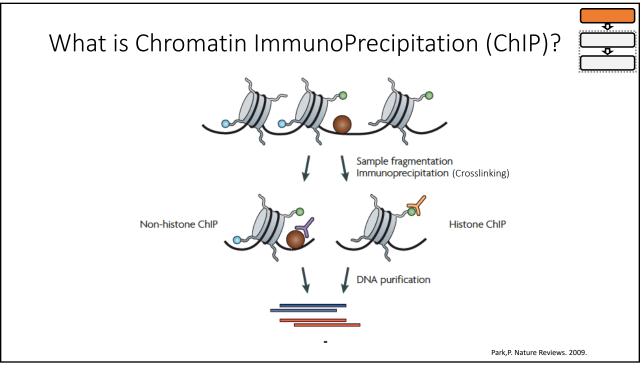
Schedule

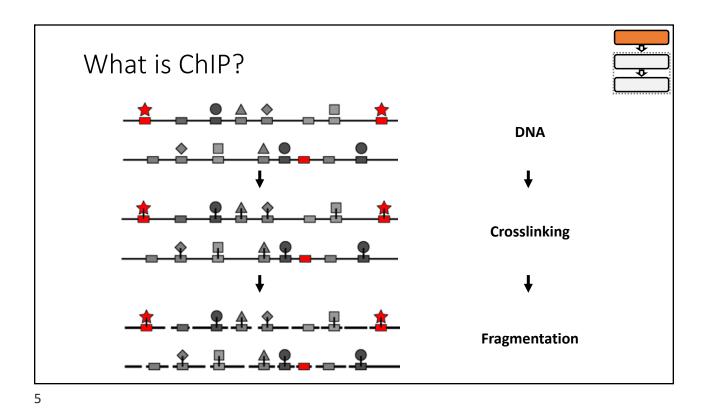
9:30 - 10:15	Introduction to ChIP-Seq
10:15 - 10:30	Q&A
10:30 - 11:20	QC, Alignment, and Visualization
11:20 - 12:00	Peak Calling and Follow Up Analysis
12:00 - 12:30	Q&A

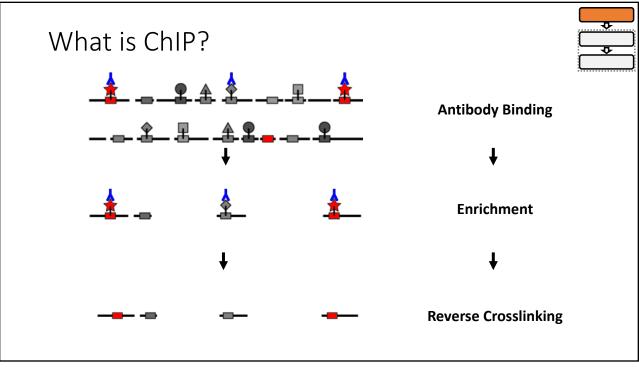
¹NIAID Collaborative Bioinformatics Resource (NCBR), ²Center for Cancer Research Sequencing Facility (CCR-SF) Bioinformatics, ³Center for Cancer Research Collaborative Bioinformatics Resource (CCBR)

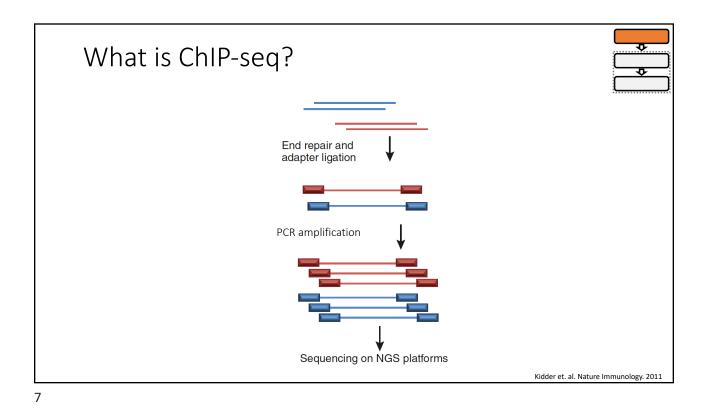


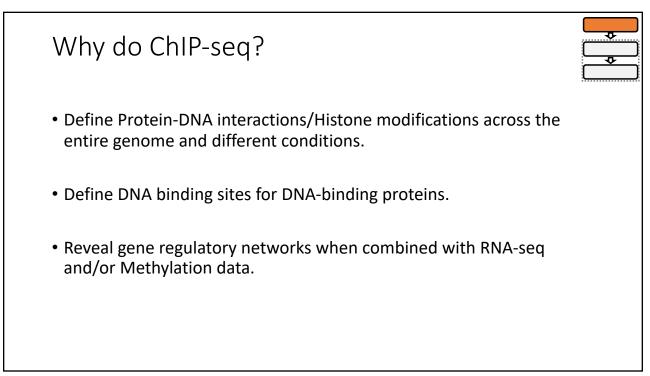


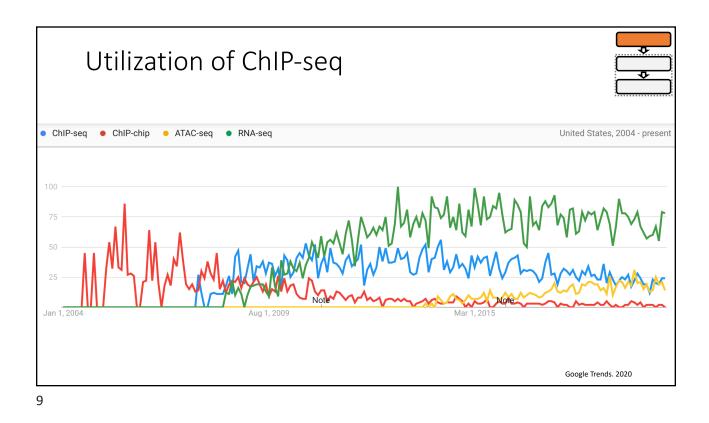


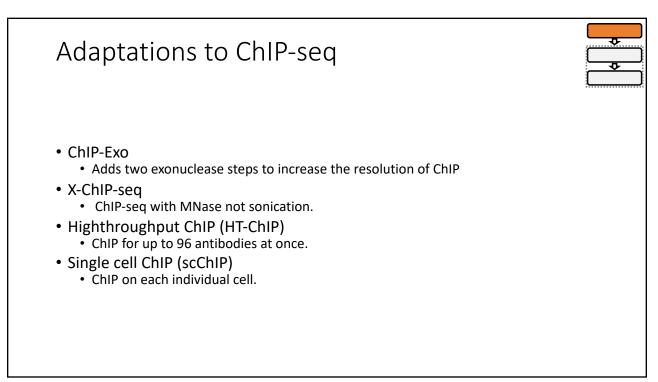


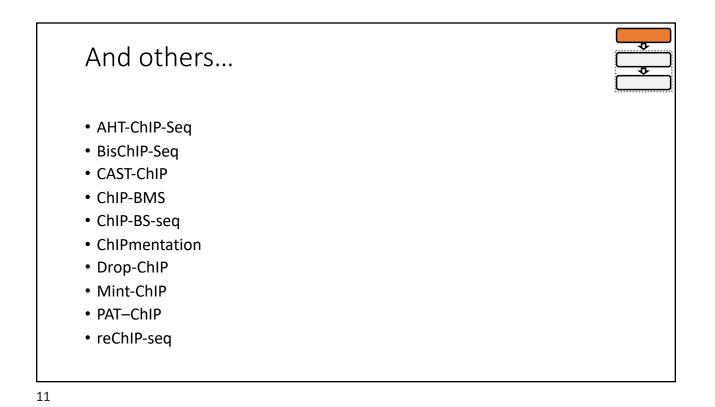


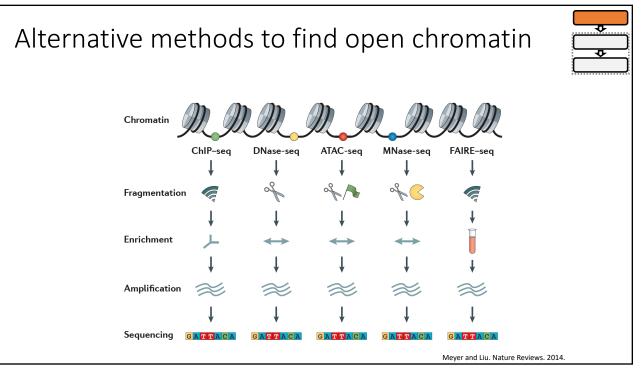


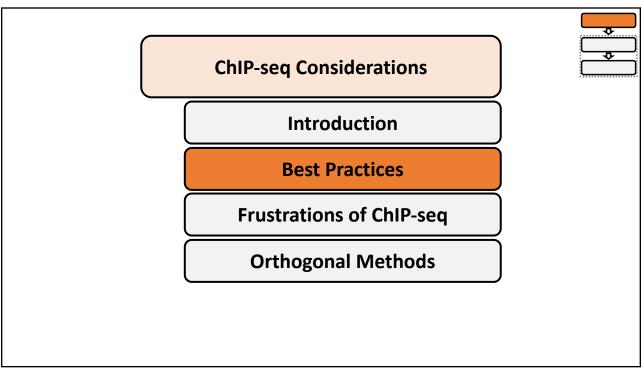


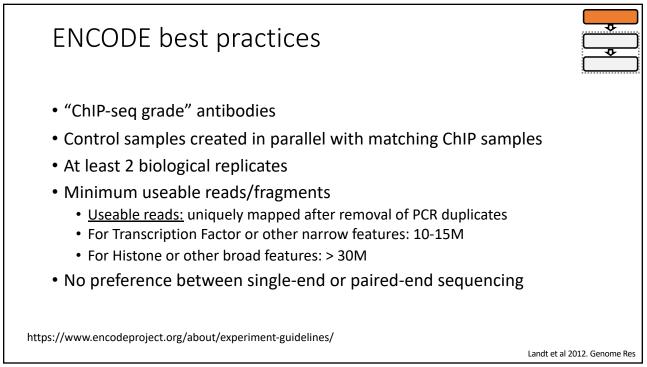


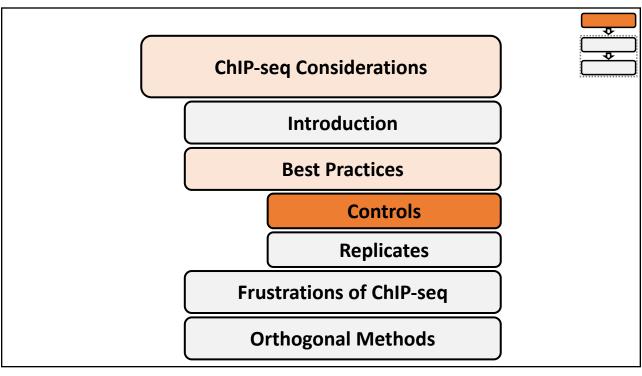


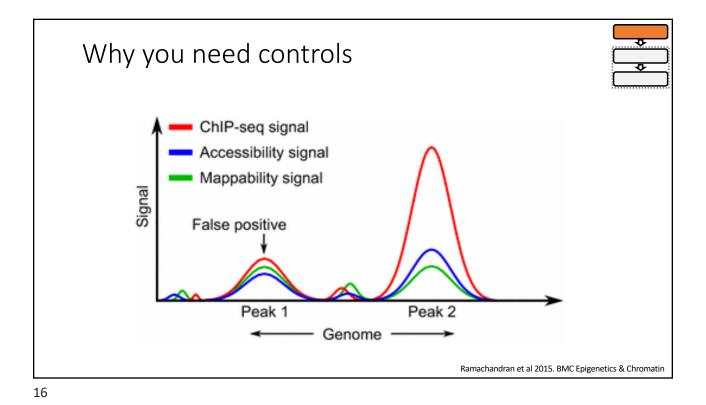


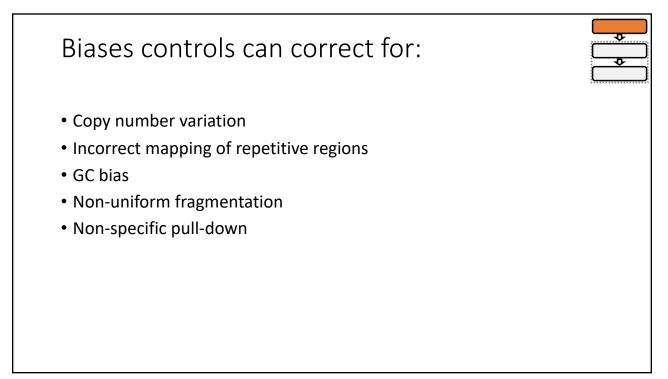


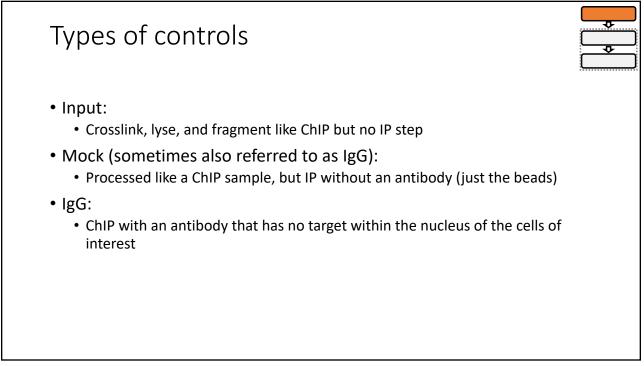


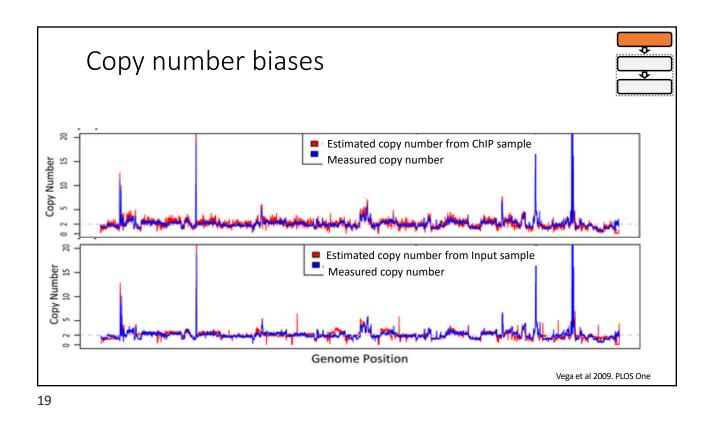


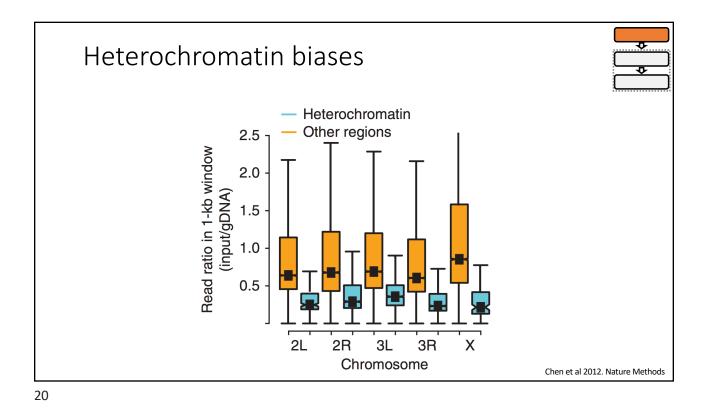


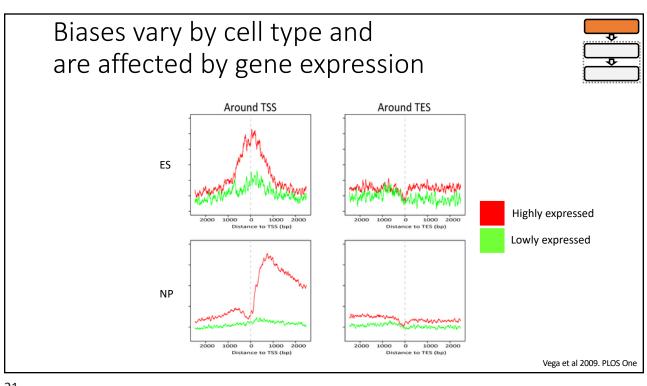


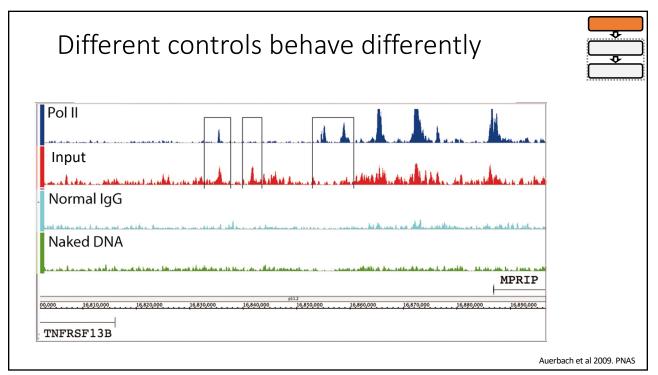


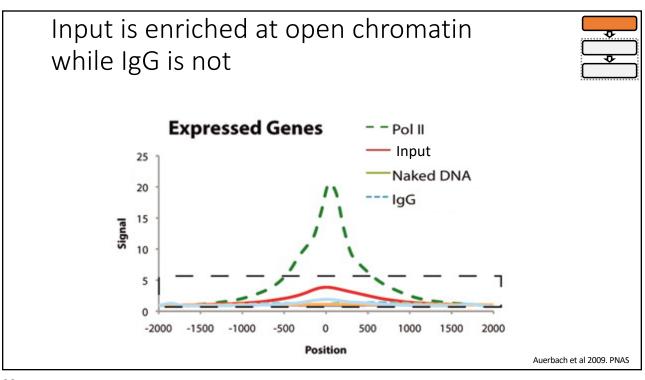


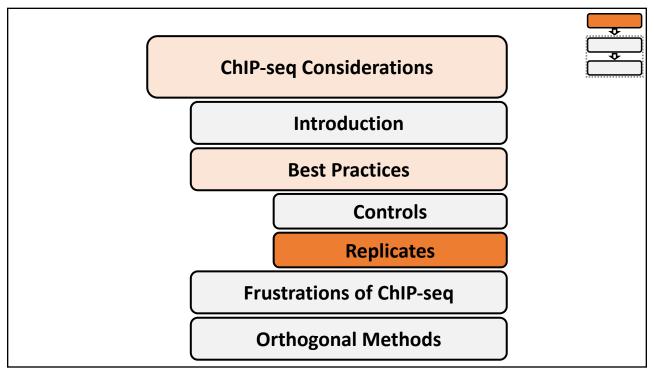


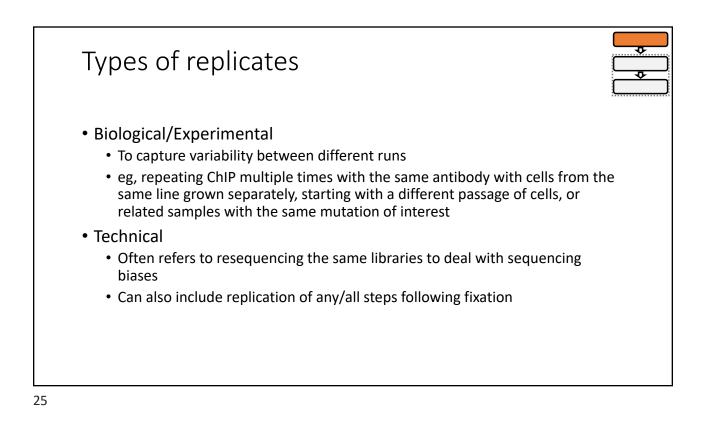


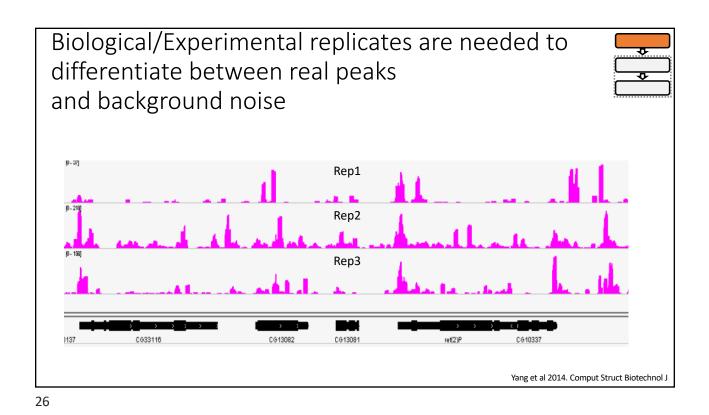












Dealing with replicates		
	Number of Samples	Information from individual replicate
Pooling all replicates	No limitation	Lost
Merge after peak calling	Pairwise combinations	Kept
Select one best replicate	No limitation	Lost
Majority rule	No limitation	Kept
		Yang et al 2014. Comput Struct Biotechn

