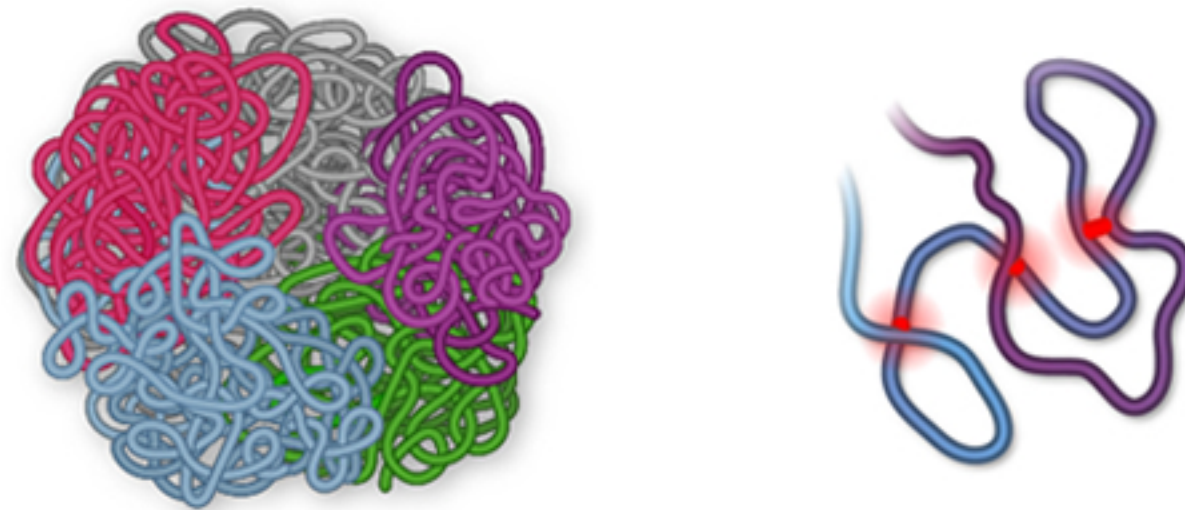
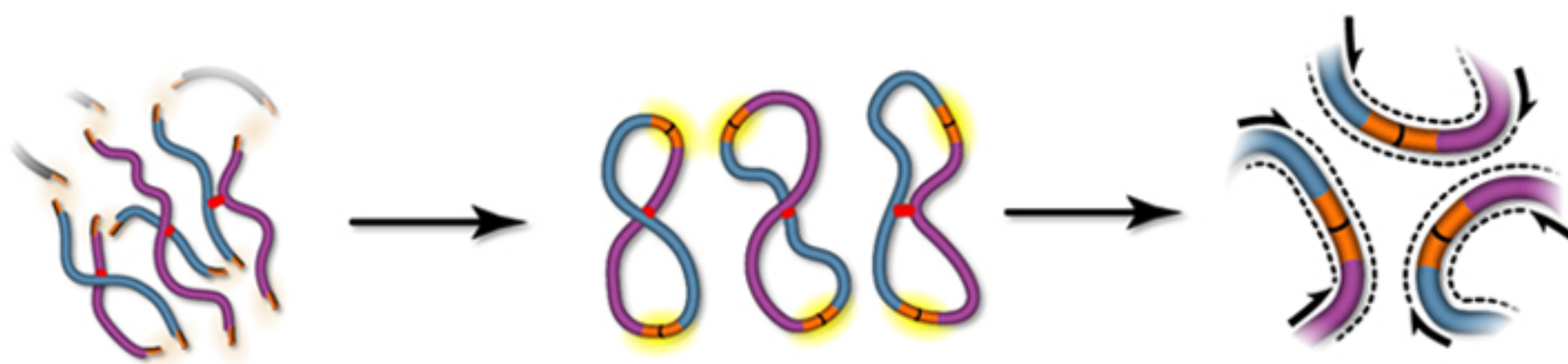


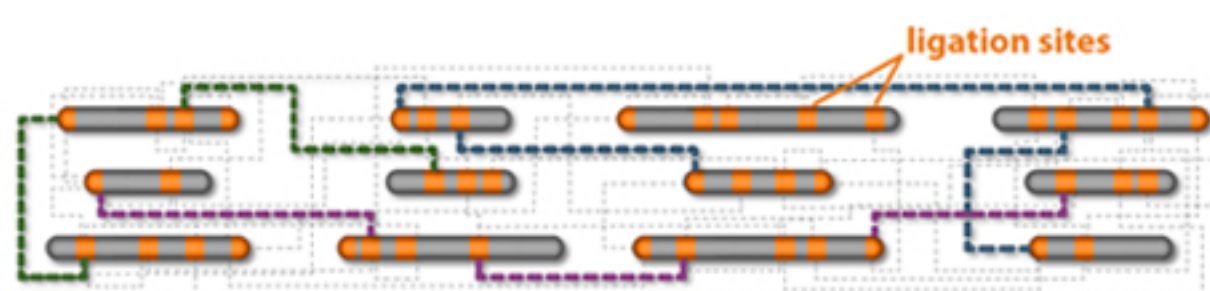
Proximo™ Chromosome-Scale Scaffolding



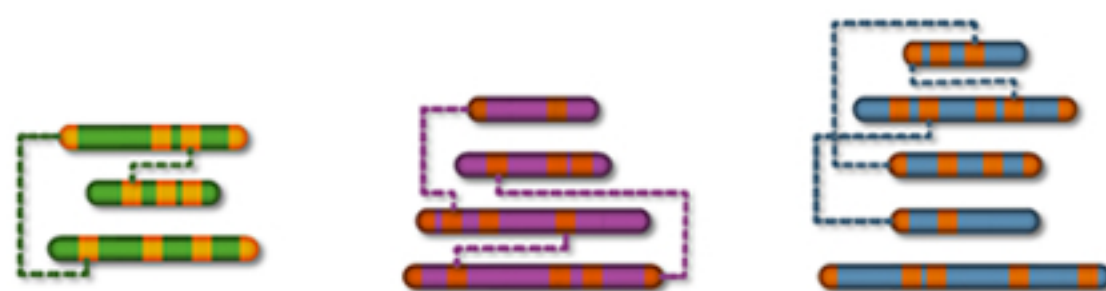
Physical proximity of nuclear DNA is inversely correlated with genomic distance. Chromatin proximity is captured through *in vivo* crosslinking, preserving contiguity information across entire chromosomes.



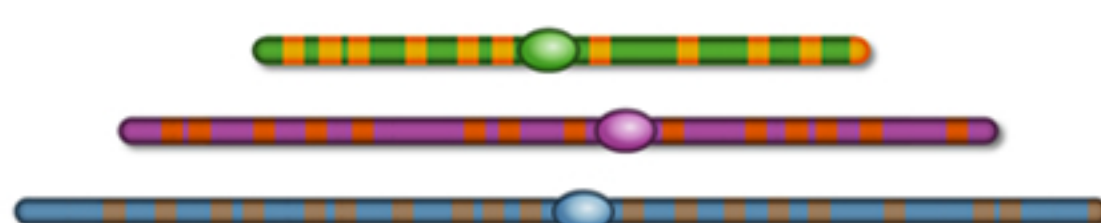
Crosslinked chromatin is fragmented and junctions are extracted. Fragmented junctions are proximity ligated and paired-end sequenced. Sequencing data encapsulates the chromatin proximity signal.



Proximity data establishes relationships among contigs at ligation sites.



Contigs are placed into chromosome groups based on proximity signal...



...then ordered and oriented by proximity signal onto chromosome-scale scaffolds.