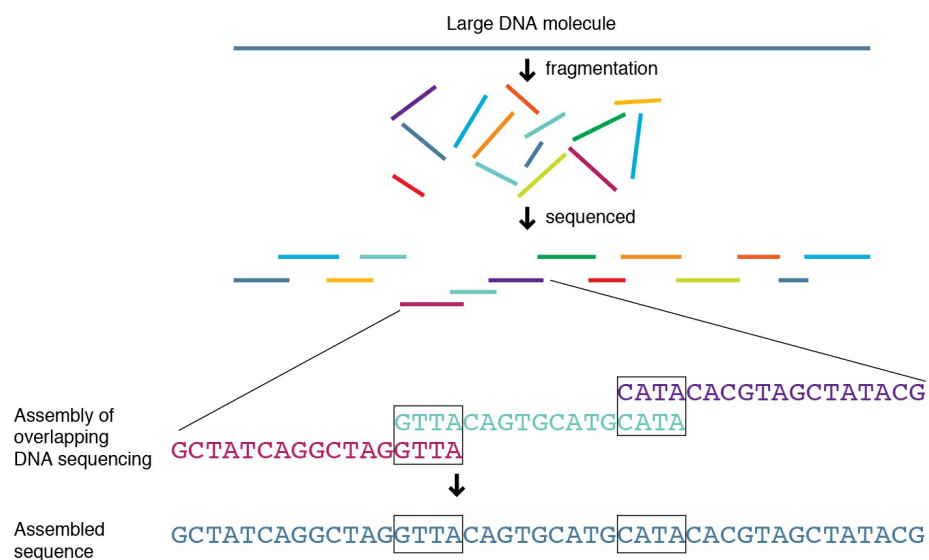


Shotgun Sequencing

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Shotgun Sequencing*.



Shotgun sequencing is a laboratory technique for determining the DNA sequence of an organism's genome. The method involves breaking the genome into a collection of small DNA fragments that are sequenced individually. A computer program looks for overlaps in the DNA sequences and uses them to place the individual fragments in their correct order to reconstitute the genome.