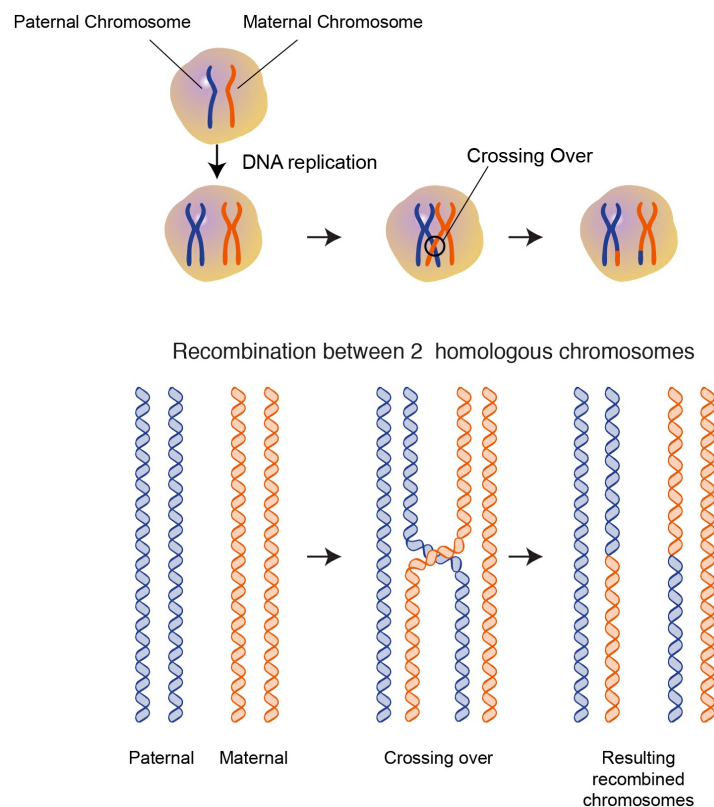


Homologous Recombination

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Homologous Recombination*.



Homologous recombination is a type of genetic recombination that occurs during meiosis (the formation of egg and sperm cells). Paired chromosomes from the male and female parent align so that similar DNA sequences from the paired chromosomes cross over each other. Crossing over results in a shuffling of genetic material and is an important cause of the genetic variation seen among offspring.