

GENETICS DISCOVERY TIMELINE

1866 Mendelian Inheritance Gregor Mendel publishes his laws of inheritance following experiments with pea plants.

1869 DNA Identification Friedrich Miescher identifies "nuclein" (DNA) in the nuclei of human white blood cells.

1953 Double Helix Model James Watson and Francis Crick, with Rosalind Franklin's data, determine the structure of DNA.

1977 DNA Sequencing Frederick Sanger develops the chain termination method for sequencing genomes.

1990 Human Genome Project International research effort begins to map and sequence the entire human genome.

2012 CRISPR-Cas9 Jennifer Doudna and Emmanuelle Charpentier develop a method for high-precision gene editing.