

GENETICS & EVOLUTION HISTORY

A Chronological Overview of Discovery

1859

Charles Darwin

Publishes "On the Origin of Species," introducing natural selection and common descent.

1866

Gregor Mendel

Publishes laws of inheritance (Dominance, Segregation, Independent Assortment) based on pea plant experiments.

1910

Thomas Hunt Morgan

Proves that genes are located on chromosomes using *Drosophila* (fruit flies).

1953

Watson, Crick, Franklin & Wilkins

Determination of the double-helix structure of DNA.

1977

Frederick Sanger

Develops DNA sequencing techniques, allowing for the reading of genetic codes.

2003

Human Genome Project

Completion of the first high-quality sequence of the entire human genome.

2012

CRISPR-Cas9

Jennifer Doudna and Emmanuelle Charpentier develop a precise method for genome editing.