

BIOLOGY BREAKTHROUGHS CHRONOLOGY

1665

Discovery of the Cell

Robert Hooke observes cork tissue under a microscope and coins the term "cell".

1859

Theory of Evolution

Charles Darwin publishes "On the Origin of Species," introducing natural selection.

1865

Laws of Inheritance

Gregor Mendel establishes the foundation of genetics through pea plant experiments.

1928

Discovery of Penicillin

Alexander Fleming identifies the first true antibiotic, transforming medicine.

1953

DNA Double Helix Structure

Watson, Crick, and Franklin reveal the molecular structure of genetic material.

1996

First Mammal Cloned

Dolly the Sheep is successfully cloned from an adult somatic cell.

2003

Human Genome Project

The complete mapping and sequencing of the human genome is finalized.

2012

CRISPR-Cas9 Gene Editing

A precise method for editing DNA sequences is developed by Doudna and Charpentier.