

# The evolution of biotechnology over the last century



## Year 2013

The **first bionic eye** is produced in the US giving hope to blind people worldwide.



## Year 1998

A **draft of the human genome map** is created that locates more than 30,000 genes.



## Year 1983

The **first genetically modified (transgenic) plant** is presented.



## Year 1953

Biologists James Watson and Francis Crick describe the **double helix of DNA**.



## Year 1928

Scottish bacteriologist Alexander Fleming discovers the **antibiotic use of penicillin**.



## Year 2020

Biotechnology innovations lead the **fight against the SARS-CoV-2 pandemic**.



## Year 2010

A group of researchers from the J.Craig Venter Institute creates the **first synthetic cell**.



## Year 1997

Scientists introduce the world to Dolly the sheep, the **first clone of a mammal**.



## Year 1969

An **enzyme is synthesized in vitro** for the first time in history.



## Year 1943

Canadian scientist Oswald Theodore Avery discovers that **DNA is the carrier of genes**.



## Year 1919

Hungarian agronomist Karl Ereky coins the **term biotechnology**.