

Download Applications Genetic Engineering

Genetic Engineering [back to top] Genetic engineering, also known as recombinant DNA technology, means altering the genes in a living organism to produce a Genetically Modified Organism (GMO) with a new genotype. Applications. Genetic engineering has advanced the understanding of many theoretical and practical aspects of gene function and organization. Through recombinant DNA techniques, bacteria have been created that are capable of synthesizing human insulin, human growth hormone, alpha interferon, a hepatitis B vaccine, and other medically useful ...The CRISPR technology appears to be another, widening intrusion into what we are made of, and how this wonderful living organism can be altered from within, rather than through the introduction of drug therapies, and other external stimuli. Human Genetic Engineering can help people in fighting with cystic fibrosis problems. It also helps to fight against diabetes, and many other specific diseases.