

Modern Biology Introduction

01

Genetic Engineering

Utilizes precise DNA manipulation techniques to create genetically modified organisms with enhanced traits.

02

Biopharmaceuticals

Develops biologically-based medications that target specific diseases, leading to more effective treatments.

03

Synthetic Biology

Combines biology and engineering to design new biological parts and systems for innovative applications.

04

Environmental Bioremediation

Employs living organisms to clean up contaminated environments, promoting ecological health and sustainability.



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