

How biotechnology is revolutionizing our lives

Biotechnology is a broad range of technologies that employ living organisms or parts of them to make diverse products. For example, drugs and therapeutics, nutritional compounds, environmentally friendly chemicals and materials, biofuels, and novel functional materials can be produced through biotechnology.

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Just like other emerging technologies, we cannot predict with absolute certainty the risks with biotechnology.

For example, synthetic biology is already contributing very much to the development of many biological systems producing drugs, chemicals and fuels without using fossil resources. However, if misused, synthetic biology can generate biological and chemical materials that are harmful to human beings as well as the environment.

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Regulation is another place where we need to see advances. We need to ensure safety and security through regulation, but at the same time make sure we aren't putting unnecessary hurdles in place which slow down progress. The only way we are going to achieve that is through a strong dialogue among all the stakeholders.

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[B]y 2030, I think it is realistic to say that biotechnology will become a part of our life, from drugs, medicine and therapeutics to environmentally friendly chemicals, fuels and materials.

The GLP aggregated and excerpted this blog/article to reflect the diversity of news, opinion, and analysis. Read full, original post: [Biotechnology: what it is and how it's about to change our lives](#)