# How bioengineering can help humanity — and what risks it may pose

**New York City, New York Feb 14, 2022 (Issuewire.com)** - Bioengineering is the process where engineering principles are applied to different fields of biology and health care to develop more advanced technologies, devices, equipment, and methods to solve complex clinical problems. LongeVC Fund is an investment company that invests in or helps raise capital for promising biotech and longevity-focused startups to establish their authority in the global biotech industry. Though the concept of bioengineering is comparatively new, the founding idea of these two contrasting fields coming together was dreamt by 19th-century sci-fi writers.

There are different fields in bioengineering and one of the most promising ones is 'cell self-recovery'. Though the effectiveness and benefits of stem cells in treating diseases unrelated to blood disorders have not yet been proved, many scientists from all over the world believe in the therapeutic potential of stem cells. Many bioengineering companies are testing its efficiency in treating diseases like

Parkinson's, Alzheimer's, and multiple sclerosis. In 2018 world’s first successful neurons transplantation, grown from stem cells was done as a part of Kyoto University clinical trials Despite the controversies around it, the FDA is always changing the registration protocols to accelerate the process.

The company has been supporting the longevity industry for years because of its immense potential.

Another important area in modern medicine is the treatment of type 1 diabetes. Scientists have discovered a way to use ECSs for synthesizing insulin-producing cells that are identical to healthy pancreatic cells. It can make a huge difference for type 1 diabetes patients who take insulin injections daily.

The legal restrictions on the stem cell research processes have reduced over time and it brings a bright future for the bioengineering industry. The ’14-day rule for embryo culturing has been expanded, making it easier for researchers to explore more in the stem cells theory.

LongeVC was created to support early-stage biotech and longevity-focused founders on their way to gain industrial momentum, raise capital, and grow to become the shapers of tomorrow's biotech industry. They currently have more than 35 million Euros in available funding to help startups at their seed and pre-A seed stages. Rustam Gilfanov, a partner at the company is helping the world understand the value of the biotech industry with his informative articles.

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