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BIOHACKING: FROM FATUITY TO SAVING THE WORLD

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Biohacking, also known as DIY biology, is an extremely broad term that can cover a huge range of activities. It means the application of the hacker ethic to improve their bodies with «do it yourself» cybernetic devices or introducing biochemicals into the body to enhance or change their body's functionality. People engaged in this activity are called grinders. Grinders believe that great science should be available to everyone and everywhere.

This work is focused on the history of body hacking, its implementation, and prospects.

The cyberpunk genre has largely inspired the idea of body hacking adoption in the human population. It is considered that the publishing of the novel «Neuromancer» by American-Canadian writer William Gibson in 1984 became the starting point in the history of biohacking. Humanity has always been striving to improve. Anti-aging pills, cryotherapy, neurofeedback (training yourself to regulate your brain waves), implanting devices like computer chips in their bodies are examples of biohacking.

It may seem that biohackers practice useless and strange things and it causes concern in the international scientific community. Their experiments are sometimes harmful and even fatal. At the same time, some biohackers are working on challenging projects, such as artificial organs or vaccines against new infections, and that is why the scientific community and some large companies believe home biology promising.

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