

Are we on the verge of extending human life with 'regenerative superpowers'?

The excessive demand for donated organs will only intensify as technologies like self-driving cars make the world safer, given that many organ donors result from auto and motorcycle accidents. Safer vehicles mean less accidents and donations.

Clearly, replacement and regenerative medicine represent a massive opportunity.

Enter United Therapeutics CEO, Dr. Martine Rothblatt. A one-time aerospace entrepreneur (she was the founder of Sirius Satellite Radio), Rothblatt changed careers in the 1990s after her daughter developed a rare lung disease.

Her moonshot today is to create an industry of replacement organs. With an initial focus on diseases of the lung, Rothblatt set out to create replacement lungs.

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Once a collagen lung scaffold has been printed, the next step is to infuse it with human cells, a process called recellularization.

The goal here is to use stem cells that grow on scaffolding and differentiate, ultimately providing the proper functionality. Early evidence indicates this approach can work.

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A dramatic extension of the human healthspan is just over the horizon. Soon, we'll all have the regenerative superpowers previously relegated to a handful of animals and comic books.

Read full, original post: [Extending Human Longevity With Regenerative Medicine](#)