Growing beta cells from skin

Who
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When
August 2018 - July 2019

What
1. Work out the optimum conditions for turning human skin cells into insulin-producing, beta-like cells
2. Check and understand the features of the new beta-like cells
3. Test how the new beta-like cells behave when transplanted into mice

Why
- Could one day re-grow a person’s own beta cells from their skin and transplant them into the body
- This would restore the ability to produce insulin and process glucose automatically

Growing new beta cells from a person’s own skin would make them less likely to be rejected by the body.

The future
Individually-tailored beta cell replacement therapy for people living with type 1 diabetes