

Biological Reprogramming and the Fountain of Youth

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Recent scientific progress regarding the possibility of age reversal is reported here with news of global science and technology leaders taking on the challenge together.

Have you ever guessed a person's age by just looking at them? Sometimes this is not an easy task. Recently scientists have come up with a method that can be used to accurately estimate the age of not only humans but for several different species of animals using methylome and multi-omics analysis. Scientists are now looking at the possibility that a defined and shared mechanism underlies the aging process throughout the entire animal kingdom. This now begs the question; can this process be understood by scientists and can it be altered?

Participants can engage in the questions such as: Can the biology of humans and all life for that matter be altered by scientific inquiry? Is it possible for human beings to be transformed by altering the chemical language of life?

Sample references/information links:

You are welcome to view my past "poster" presentation titled: "*Is Age Reversal Possible for Human Being*" from the 2020 CGT conference for more background information via this link: <https://youtu.be/AmLa2rAfXeE>

Meet Altos Labs, Silicon Valley's latest wild bet on living forever. MIT Technology Reviews, <https://www.technologyreview.com/2021/09/04/1034364/altos-labs-silicon-valleys-jeff-bezos-milner-bet-living-forever/>

Altos Labs – "A new biotechnology company focused on cellular rejuvenation programming..." <https://altoslabs.com/>

Universal DNA methylation age across mammalian tissues. MAMMALIAN METHYLATION CONSORTIUM https://www.biorxiv.org/content/10.1101/2021.01.18.426733v1.full?fbclid=IwAR03NR_CUK_dRgXTiwe2FwuIdKnh1fOh1-Y_Zvjd9sGnSAOvgtEUkeZ07Gk

Human SKIN CELLS WERE DE-AGED BY 30 YEARS, CAN WE REVERSE AGING NEXT? Multi-omic rejuvenation of human cells by maturation phase transient reprogramming. Diljeet Gill et al. Principal: Wolf Reik. April 8, 2022. eLife <https://elifesciences.org/articles/71624>

In Vivo Amelioration of Age-Associated Hallmarks by Partial Reprogramming. Cell Press. [https://www.cell.com/fulltext/S0092-8674\(16\)31664-6](https://www.cell.com/fulltext/S0092-8674(16)31664-6)

Can we edit the epigenome? The Sheekey Science Show, April 2, 2021 <https://www.youtube.com/watch?v=rnUlyPaGVwQ>

A Crack in Creation, Gene Editing and the Unthinkable Power to Control Evolution. Jennifer A. Doudna, Samuel H. Sternberg, Mariner Books, June 13, 2017. The future is in our hands as never before, and this book explains the stakes like no other." — George Lucas

Takahashi, K., and Yamanaka, S. (2006). Introduction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. *Cell* 126, 663-676.

Takahashi K, et al, (2007). Induction of pluripotent stem cells from adult human fibroblasts by defined factors. *Cell* 131, (5):861-72.

Gurdon, J.B. (1962). Adult frogs derived from the nuclei of single somatic cells. *Dev. Bio.* 4, 256-273.

