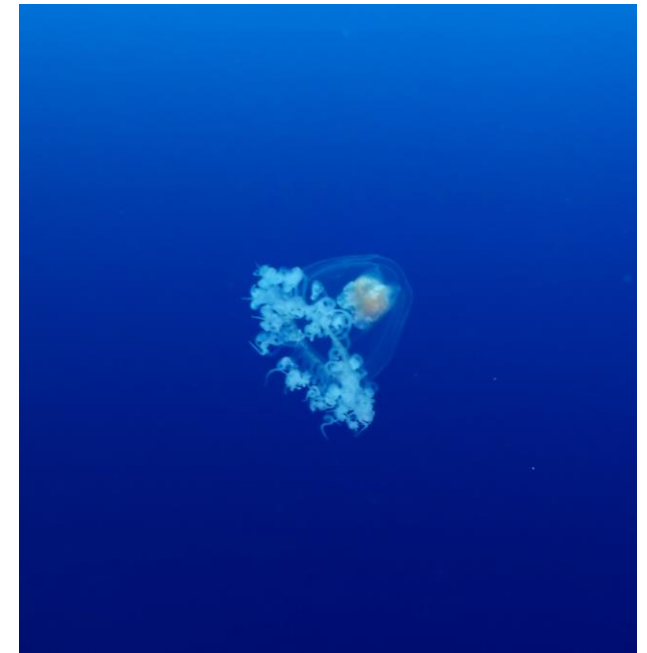


Legal Reforms in Perspective as Aging Proves to Be Reversible

A great scientific discovery that finally proved the obvious could soon trigger **significant changes in legislation**.

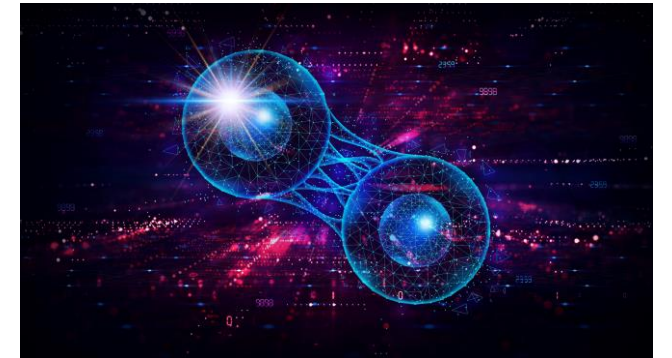
Scientists have known for a long time that many existing plant and animal species have the ability to regenerate. The *Turritopsis dohrnii*'s capability to rejuvenate its cells is even commonly viewed as triggering biological immortality under normal environmental conditions.



New Boston lab experiments published for the first time on 12 January 2023 in the journal Cell demonstrate that **aging, in general, is reversible** ([Loss of epigenetic information as a cause of mammalian aging: Cell](#)).



Regardless of how old and sick a body is, the changes provoked by aging are considered to be "*reversible by epigenetic reprogramming*".

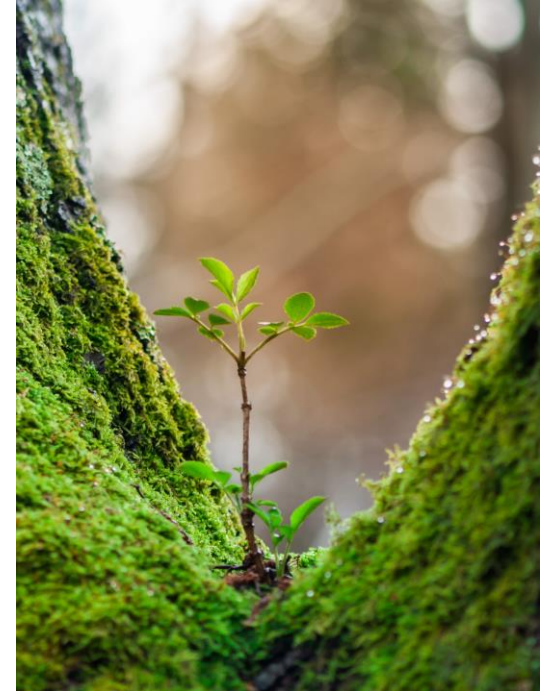


In this new perspective, in the body, DNA is viewed as the hardware and epigenome - as the software.



CNN quotes Professor David Sinclair, professor of genetics at the Blavatnik Institute at Harvard Medical School and co-director of the Paul F. Glenn Center for Biology of Aging Research. According to him, aging is a process that can be driven *"forwards and backwards at will"*.

He explains that *"there's a backup copy of the software in the body that you can reset"*. *"We're showing why that software gets corrupted and how we can reboot the system by tapping into a reset switch that restores the cell's ability to read the genome correctly again, as if it was young."* ([Aging can be reversed in mice. Are people next? | CNN](#))



Legislations will have to adapt to these new scientific realities.

The legal implications can be endless, from health law, bioethics, and pension reforms to new laws in the fields of space exploration and space colonization.

In the foreseeable future, the Earth may become too small to host all living human beings.

