

Big Picture:

- <https://hms.harvard.edu/news/seeing-cells> (cells)
 - [Chris Mason: Space Travel, Colonization, and Long-Term Survival in Space | Lex Fridma...](#)
 - <https://news.mit.edu/2022/thermal-heat-engine-0413> (core)
 - bodily functions, hormones, full picture (huberman labs)
 - brain function and restoring neural networks (Calico and Andrew Ng)
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Long-term survival:

****diving deeper in here**** → looking to edX quantum chemistry course, too.

- modifying mDNA and mRNA. Will be differentiable based on atmosphere, and can be modified in transmission in planetary orbit.

- the spaceship/crypto chamber can be considered the null space (in between planetary motion)

- can survive cosmic rays, and is a very compact storage unit.

- so DNA might be the hard drive of the future. Adam project?

- stores very efficiently.

- how is the security?