## Quantum Thermodynamics #1: INFORMATION QUANTA

A healthy cell is unusual in that self-sacrifice is the rule in cell biology. In cancerous cells apoptosis is inhibited as a rule. What controls this process? INFORMATION does.

Mitochondria are known to self-regulate their biology via two coupled pathways called autophagy and apoptosis. Apoptosis is self-sacrifice. All somatic cells are actually committed to die but they dedicate their existence to the survival and modification of the stem cells. Cancer cells also harvest the blood supply for its sole benefit.



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