Qeios

Peer Review

Review of: "Aging as Cybernetic Attractor Decay: Beyond the Stochastic-Programmed Dichotomy"

Marios Kyriazis[1]

1. Independent researcher

The general concept of this paper is that the ageing process is neither programmed nor stochastic, but rather a cybernetic process based on loss of information.

It is well-written and informative, but with a theoretical slant and little practical relevance.

The author states that recursive information processing transforms energy and matter into organised (biological) structures, and we know that this process is a fundamental element in nature. Ageing happens following degradation of energy, error propagation, entropy, etc. The question here is why there is an increase in information content up to a certain point (a healthy human, for example) and then the process of degradation (an ageing human) starts. What defines this certain point where the loss of information starts? Also, why does the process of transforming energy and matter into an organised biological organism work so well in germline structures (healthy progeny) but not so well in somatic structures (ageing adults)?

From a practical point of view, the author states that “Interventions restoring computational precision will reverse aging clocks…etc”. What kind of practical interventions are suitable in this instance? It would be good if the author could suggest interventions that can be used by real people in everyday life.

For some more ideas, please also consider my paper below (full text):

https://www.semanticscholar.org/paper/Practical-applications-of-chaos-theory-to-the-of-to-Kyriazis/fe74f2f831e39e2fdfdc9ac2dec68a3970615324

or via this link

https://www.researchgate.net/publication/10742783_Practical_applications_of_chaos_theory_to_the_modulation_of_human_ageing_Nature_prefers_chaos_to_regular

Declarations

Potential competing interests: No potential competing interests to declare.

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