Review of: "Quantum Evolution and Genetic Mutations"

Sophie Juliane Veigl[1]

1 Universität Vienna

Potential competing interests: No potential competing interests to declare.

I think that this paper promises an interesting discussion; however, it is not arguing it through very successfully. The first section is on the history of biology, but almost no references are given and the claims seem not very sensitive to the intricacies of these episodes. History of science should be done carefully or not at all. The section that explains chromosomes and DNA structure does this at a very basic (I would say high school level), and I am not sure whether it is appropriate for the readership of the journal. In general, referencing is done extremely sporadically and not to the standards of a scientific paper. Also, language is often quite imprecise to a point where it is hard to follow what the authors mean: why are protons genetic letters, for instance? “It is posisble to suddenly change to a new DNA that exhibits mutation” - what is a new DNA? What is a “reading of the genes”…. The part on quantum mechanics, which should do the most important work, I think, is underdeveloped and set up very anticlimactically since it ends with “actually, we don't know” - it is unclear what the authors want the reader to take away - being explicit about this from the beginning, leading through the article by also reflecting on what they intend each section to do, would improve the paper.