Review of: "Introduction to Evolutionary Cancer Cell Biology (ECCB) and Ancestral Cancer Genomics"

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Potential competing interests: No potential competing interests to declare.

The author presents a hypothesis suggesting that ECCB can unify all evolutionary insights and theories of cancer into a cohesive framework. The ECCB theory is based heavily of a gene centric view on cancer origin. The author should also integrate information inconsistent with a gene centric theory. It is important for the author to remember that no cell can divide without energy. Just as proliferation is the default state of cells, fermentation is the default energy state of cells and drove gene expression before oxygen entered the atmosphere some 2.5 billion years ago. Consequently, the author will need to compare and contrast the ECCB theory with the somatic mutation theory and the mitochondrial metabolic theory of cancer. The information on these theories is describe in theses links and must be included in the author's discussion. (**https://doi.org/10.3390/metabo11090572**; https://doi.org/10.1016/j.isci.2020.101761; DOI: 10.1002/bies.20087).