

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.

Article is very interesting , and exploring into the complex and enigmatic realm of cancer, emphasizing the limitations of previous hypotheses in unraveling its mysteries. The emergence of Evolutionary Cancer Cell Biology (ECCB) as a novel branch of oncological science offers a groundbreaking perspective on the origins of cancer. This evolutionary lens suggests that the cancer genome predates the existence of multicellular organisms, challenging conventional timelines and prompting a reevaluation of our understanding of oncogenesis. Thus, the assertion that cancer could potentially arise through intrinsic cellular mechanisms, without the necessity of genetic alterations and mutations, marks a paradigm shift in cancer research. This challenges the prevailing wisdom and directs attention towards the exploration of cellular processes as primary contributors to oncogenesis. However, such hypotheses and new ideas must be approached with great discretion, more knowledge must be developed based on well-developed research.