Alignment of Molecules: For Explanation and for Discussion – Causal Paths for Cancers

The following four sides have been prepared using quantum biology (QB) for discussion with qualified computational biologists relative to the primary causes of most cancers.

Reference is made to quantum biology (QB); an algorithm for epigenetic activity. The website for MCFIP, Inc. (www.MCFIP.net) is a novel tutorial created to provide **scientifically verifiable** non-commercial explanation for the algorithm. To easily navigate the volume of information, a concise overview can be accomplished from 1st, 3rd, 7th and 8th links in the following tab from the website. Note. The 8th link uses DIY formats from several of dozens of causal paths for chronic diseases selected as proof-of-concept for the viability of the QB algorithm. https://www.mcfip.net/Quantum-Biology.html

Since the algorithm is complex, of necessity, it has been necessary to focus on one chronic disease category; e.g. cancers. The information can be confusing without a linear verbal explanation. Accordingly, we suggest that independent interpretation be delayed until explanations are provided.

For Explanation and Discussion

The QB algorithm encompasses the three forms of TNF; alpha, beta and gamma. Each form has role in causes of cancers. Accordingly, their roles are explained separately to avoid complexity and allow verification of assertions using references provided and bioinformatic search (BIS).

BRCA is now known to exist in the breasts, cervix, prostate, pancreas, colon, bladder, etc. This particular exercise provide the ability of an inorganic chemist to verify BRCA as being vitamin C with the ability to mutate the interactions between BRCA1 and 2.

When Linus Pauling pioneered vitamin C to prevent scurvy, the effort was to increase cell density; not to create a nutritional supplement. The issues of apoptosis will be explained separately.

TNF-Alpha: TGF- Alpha: VEGF-A (Calnexin) Density (Th1, CD-4, p63, IL-6 and MMP7-9)

Calcium – threonine – magnesium (BRCA1) E-Cadherin **p16**

Calcium – serine – magnesium (BRCA2) N-Cadherin **p18**

Calcium – cysteine - magnesium (BRCA3) P-Cadherin **p19**

For Explanation and Discussion

Having explained to primary cause of BRCA cancers as attributable to excessive vitamin C, the cadherins are identified because they can be identified by BIS as a source for hypercalcemia; another path for cell density that, without apoptosis, can result in cancer.

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The following is provided for discussion relative to the source of hypercalcemia.

https://www.mayoclinic.org/healthy-lifestyle/nutrition-and-healthy-eating/expert-answers/vitamin-d-toxicity/faq-20058108#:~:text=Advertisement&text=The%20main%20consequence%20of%20vitamin,the%20formation%20of%20calcium%20stones.

Read the 3rd paragraph!

The two primary verifiable but preventable causes of calnexin (cell density cancers) have been identified.

For Explanation and Discussion

A third and immediately recognizable and verifiable cause for cancers are the PRAS mutations that constitute calmodulin; i.e. H-K and NRas.

TNF-Beta: TGF-Beta: VEGF-B (Calmodulin) Motility (Th2, CD-8 and p73)

Calcium – phenylalanine – magnesium (HRas) **p21**

Calcium – tyrosine – magnesium (KRas) **p27**

Calcium – tryptophan – magnesium (NRas) **p57**

BIS for scurvy will verify calmodulin is an alternative designation for the disease.

Note: BIS can be used to verify **the fact** that hypercalcemia is the near certain source **for nearly all individual non-BRCA cancers, individual leukemias and lymphomas.**

For Explanation and Discussion

The fourth verifiable cause for cancers is the mutation of IFNγ and calcineurin because that cytokine is the source for the transferrins that encompass lactoferrin (an enzyme for the interface of the three saccharide biofilm tor bacterial defenses), apolactoferrin (for antimicrobial immune defenses) and hololactoferrin (aka ferroptosis – the kill mechanism other apoptosis and necroptosis) for mutated cells.

TNF-Gamma: TGF-Gamma: VEGF-C (Calcineurin)
Modulatory Enzyme: IFNγ and (Th17, CD-25 and p53)

Iron – serine – Manganese

Iron – cysteine – Manganese

Iron – threonine – Manganese

Due to the complexity of calcineurin, this aspect of cancers (causes and prevention) has been set aside for verbal discussions and subsequent verification.

Numerous alternative designations for calcineurin have evolved due to the lack of an explicit model such as Quantum Biology. One such designation is MYC that, like calcineurin, also has 3 forms; L-MYC, N-MYC and C-MYC