

Transitioning Computational Biology

When quantum biology (QB) is understood, it becomes foolhardy for biomedical research to ignore the following facts and not seek access to QB.

- Minerals, elements and gasotransmitters constitute cytokines
- Epigenetic signaling molecules exist in trefoils (3s) and interact
- Imbalances between signaling molecules are responsible for chronic diseases
- The “familial” forms of chronic diseases are epigenetically inherited and increasing rapidly
- Neurohormones interact and create behavioral health abnormalities when imbalances exist
- Vitamins (not nutritional supplements) are epigenetic enzymes and co-enzymes

The illustration provided below can be used as part of discussions with computational biologists to verify these facts.

Alignment of Molecules: For Explanation , Discussion and DIY Exercise

TNF-Alpha: TGF- Alpha: VEGF-A (Calnexin) Density (CD-4)

Calcium - threonine - magnesium (BRCA1) **p16**

Calcium - serine - magnesium (BRCA2) **p18**

Calcium - cysteine - magnesium (BRCA3) **p19**

TNF-Beta: TGF-Beta: VEGF-B (Calmodulin) Motility (CD-8)

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

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

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

TNF-Gamma: TGF-Gamma: VEGF-C (Calcineurin) Modulatory Enzyme: IFN γ and Th17 cells (CD-25)

Iron - serine - Manganese

Iron - cysteine - Manganese

Iron - threonine - Manganese

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