Photoreceptor Epigenetic Activities

Bioinformatics correlated PDE5, PDE6 and PDE11 with photoreceptor activities.

Applying quantum biology (QB) to each factor, the following results can be verified with DIY activity.

PDE5 is calnexin. PDE6 is calmodulin and PDE11 is calcineurin.

Transductin is an alternative designation for calcineurin.

The following is provided for discussion with qualified computational biologists.

Alignment of Molecules: For Explanation and Discussion

TNF-Alpha: TGF- Alpha (Calnexin) Density (CD-4)
Calcium – threonine – magnesium (BRCA1) **p16**
Calcium – serine – magnesium (BRCA2) **p18**
Calcium – cysteine - magnesium (BRCA3) **p19**

TNF-Beta: TGF-Beta (Calmodulin) Motility (CD-8)
Calcium – phenylalanine – magnesium (HRas) **p21**
Calcium – tyrosine – magnesium (KRas) **p27**
Calcium – tryptophan – magnesium (NRas) **p57**

TNF-Gamma: TGF-Gamma [VEGF] (Calcineurin)
Modulatory Enzyme: IFNγ and Th17 cells (CD-25)
Iron – serine – Manganese
Iron – cysteine – Manganese
Iron – threonine – Manganese

For discussion purposes, examples of alternative designations for the IFNγ "enzymes" that have evolved include; AKT, mTOR, PTEN, NF-kB, and MYC.