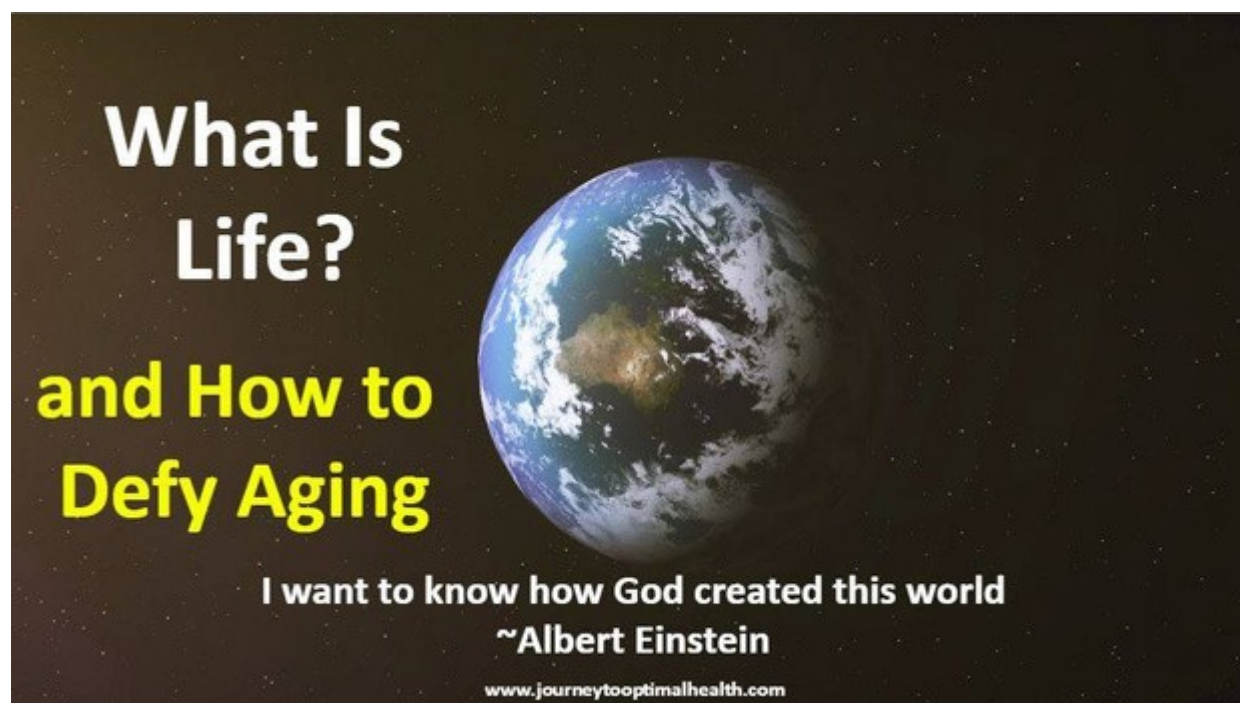


QT #17: Swinging on the Spiral: Time

Few of us realize the liquid crystals in us create time using light. Time and space are modes by which we think and experience reality but neither are conditions in which we live on Earth. We live by swinging on the spiral arm of a galaxy constantly moving through space .

Ever since the derivation of the theory of relativity, physicists have thought they have done reasonably well in understanding time; however, biologists are still waiting for a comprehensive theory of timing in living systems: they remain waiting for a corpus of “laws” describing how cells and organisms can precisely initiate and terminate processes at specified times because they are focused on the nuclear genome and not the mitochondrial genome.



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