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Photosynthesis in humans, a conceptual revolution of biblical proportions

The cell physiology in human eukaryotic cells so far explained assuming that glucose, mitochondria and ATP are energy sources, despite widespread concepts that are deeply rooted and, it should be accepted in order inexplicable dogmas to sustain the apparent rationality of these concepts. For example, we have the following dogma: glucose is the energy source par excellence of the human body. However, if it were so, diabetic patients should be able to fly. From our point of view, glucose is only a source of carbon chain, i.e. biomass. Recall that the backbone of any biomolecules is the carbon atom. Our body with food makes skin, bone, muscle, neurons, cellular organelles, nucleic acids, etc., For example, the glucuronide acid is a glucose derivative, glucosamine of the cartilage as well. Glucose is the universal precursor of biomass, is the perfect building block, so it is found in all living things. But one thing is biomass and other energy. Let's start by defining the latter: Energy is anything that causes a change. And you cannot say much more, maybe that energy is inseparable from the mass, but no one has actually seen, so do not know if it's a line, a wave, a particle, a circle, a sphere, etc. Our discovery of unsuspected intrinsic property of the Melanin molecule to dissociate and re-form the water molecule; implies a conceptual revolution of biblical proportions. It means that human beings are also capable of transforming light energy (visible and invisible) in free chemical energy, as chlorophyll in plant leaves. The photolysis happens in the leaves of plants, still not understood, although Priestley, Lavoisier and others began to glimpse some 350 years ago. Usually represented as follows: $2\text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{O}_2$

Apparently a single chemical reaction, where liquid water becomes gaseous components: hydrogen diatomic and diatomic oxygen. But replicate the reaction in the laboratory involves raising the temperature of the water to two thousand degrees Celsius. And chlorophyll does at room temperature, using the ends of visible light: the purple and red, green reflecting, as this is not absorbed by the chlorophyll, but the greens do not actually exist in nature. Hence the denomination of photosynthesis: build or implement something using the energy it contains light. And the irreversible dissociation of the water molecule occurs in the leaves of plants is considered the most important chemical reaction in the world, it is the beginning of the food chain. For the free chemical energy is released to transform liquid water into gaseous hydrogen and oxygen, is carried by the hydrogen, because it is the quintessential carrier of energy in the entire universe, so the plants cannot be different. On the other hand, oxygen is toxic at any concentration, and in fact is a necessary evil as it has always been part of the equation, hence the leaves of plants expel it into the atmosphere. Actually our energy does not come from the combination of oxygen with glucose, beginning because the unexpected capacity of melanin to dissociate and re-form the water molecule means that each and every cell in the body are capable of producing oxygen for themselves, and the corresponding equation would be as follows: $2\text{H}_2\text{O} \leftrightarrow 2\text{H}_2 + \text{O}_2 + 4e^-$

Our photosystem, consisting of light (visible and invisible) / Melanin / Water in order of abundance in the universe, is thousands of times more efficient than photosynthesis in plants, not only because the melanin is capable of separating the hydrogen and oxygen of water but also to re-form the molecule generating four high energy electrons per two water molecules re-formed. Furthermore, the melanin has the astonishing ability to absorb virtually all wavelengths of the electromagnetic spectrum, while the chlorophyll can only absorb visible light ends. And since the molecular hydrogen does not mix with water, once they release melanosomes from its strategic position in the perinuclear space, gradually and steadily permeate the entire cell cytoplasm and structures it contains. And being the hydrogen molecule too small a molecule can reach every last corner of the eukaryotic cell carrying their precious cargo of free chemical energy, hydrogen addition to being the best known antioxidant. Given the above, we can say that the sacred role of glucose as an energy source is broken into pieces. Our body is capable of generating free chemical energy from the dissociation of the water molecule, as occurs in plants, hence the name of human photosynthesis, a finding that certainly changed, from now on our views of eukaryotic cell biology and thus the human body.

Biography

Arturo Solis Herrera is founding Director of the Center for the Study of Human Photosynthesis, which promotes research, development and innovation in the areas of knowledge in which the intrinsic property of melanin to dissociate and re-form of the water molecule have application. This property was unknown until he identified during observational study of nearly six thousand patients, begun in 1990 and completed in 2002, during which the main function of melanin in the human body and is the photonic energy transduction in free chemical energy was finally identified.

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