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EC NEUROLOGY
Short Communication

Reflecting on Consciousness in the Time of Pandemics: What Separates Time-Like from Space-Like Dynamics?

Milan Jovovic*

Ambassador, The New York Academy of Sciences, USA

***Corresponding Author:** Milan Jovovic, Ambassador, The New York Academy of Sciences, USA.

Received: October 19, 2020; **Published:** June 23, 2021

I wish to begin this article with my experience to the actual and ongoing pandemic crisis. The vaccine to prevent its progression seems unlikely to be developed in the near future. On a survival path, I thought it was reasonable to learn more about what an evolution of health crises mark on our immune system? In some ways it shows in animal kingdoms, as well. There is a fascinating story that I would like to share about an Eagle survival.

With all the information on survival tips flooding in social media, I find it the most appropriate to hold on to a common reasoning in the unusual situation, as beautifully written in the poem by Aleksandr Pushkin, quarantined during a cholera pandemic:

"… We'll call upon our reason to assist us,

To rid this malady with our power of expertise

Thus, these times of profound ordeals and tribulations

We'll all survive as one family united.

Indeed, we will be purified and wiser,

Not giving in to gloom and fear,

We'll take heart and draw closer

And be more kind to each other…"

I have wanted to learn more about autophagy -- a methodology of inducing the immune system response in order to clean and rejuvenate mind and body. Although I don't consider myself religious, I have been interested in fasting, too, what are the health benefits by observing it. And, for the exercise activities, my favourite practice is swimming in bringing in a sync mind and body. Interestingly, it appears now when the beaches are open, my performance is not much affected despite losing a considerable weight while dieting.

I believe that our intelligence is embedded in an environment. Different levels of complexity are used in classifying consciousness by Walter Russell. There is a fine example of the embedded intelligence in a colony of butterflies coming every spring to Canada and going back for the mating season in the forests of Amazon. Their brain volume hardly fit on the tip of a needle. Yet, could we do it without a smartphone, googlemaps, and a fast car? Their lives are mainly governed by a 'time-like' dynamics, caused by the season changes, and prolongation of life. Butterflies don't sleep in a common sense, that we attribute to it.

A good sleeping habit is very important to our well being. A hygiene, as a psychologist would say. In my current research, I am interested in studying a 'space-like' dynamical brain maps formations during a sleep. Also, their progression and possible causes of disruption. I think developing such a data mining would be a helpful assistance tool in diagnosis and treatment of mental disorders.

It is a common agreement amongst physicists that space and time are inseparable in a 4-dimensional manifold frame of references. So, is our mind more classic or more quantum? As weird as it may seems, I would describe it as more quantum during a sleep [1]. During our daily activities, however, it very much depends on the environment one's living and functioning. Neuroimaging tools will become increasingly important in assessing our mind and body well beings, in the future.

In our research, we propose a genotype information processing in the quantum information theory of stochastic resonance synergies [2]. Properties of a system in its relativistic space-time domain are derived from the network of synergistically coupled oscillators. Additionally, the theory of stochastic resonance synergetics lays down a quantum computing approach to the analysis and application of networked data structures.

Bibliography

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Volume 13 Issue 7 Julys 2021