

EDITORIAL

The Secrets of the Extracellular Space in Cancer and Alzheimer Diseases

Maria Kuman

Holistic Research Institute, Knoxville, USA

Corresponding Author: Maria Kuman, Holistic Research Institute, Knoxville TN 37923, USA.

Email: holisticare1@gmail.com

Received: September 16, 2022 **Published:** September 26, 2022

Citation: Maria K. The Secrets of the Extracellular Space in Cancer and Alzheimer Diseases. Int J Complement Intern Med. 2022;1(1):5–6.

Copyright: ©2022 Kuman. This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and build upon your work non-commercially.

From the 19th century until today, the brain researchers have been focusing their attention on the cells of the brain only and showing no interest to the extracellular space. The advanced electron microscopy finally threw some light on it. It is known now that the cells are separated by fluid-filled extracellular space – predominantly water solution of sodium chloride (Na⁺ and Cl⁻) with small concentrations of potassium (K⁺), calcium (Ca⁺⁺), amino acids, and peptides. Without the presence of these ions in the extracellular space the transfer of electrical signals between neurons and metabolic substances wouldn't be possible and drugs wouldn't reach their target.¹

When trying to understand the role of the extracellular space, the diffusion in it was investigated. Unfortunately, the researchers assumed that the diffusion in the brain is the same as it would be in a Petri dish, and this is not the case.

The fact that all cancerous cells are electrically negative means that the electric charges and the electric fields in the extracellular space play essential role for the normal growth of the cells. The negative electric charge of the cancerous cells makes them disconnected like in a cut wound. And like in a cut wound the cells become nondifferentiated (tissue nonspecific) because undifferentiated cells multiply much faster and are free to cripple in the wound. This allows fast healing in the case of wound, but in cancerous tissue there is no current of regrowth starting from the cut to rule the tissue regrowth and the cells multiply senselessly.²

The situation with the cancerous tissue means that there is electromagnetic field between the cells that rules and regulates their growth, regrowth, and normal functioning. In article,³ I proved that everything material is a material body and nonlinear electromagnetic field (NEMF). Also, all alive material cells are material cells and NEMF. But all living beings have a second week

NEMF2 (called Spirit that makes them emotional), which is magnetically attached to the NEMF1 of the material body.⁴ Proof of the presence of NEMF in all living cells is the two-dimensional perfect lattice, which embryos of star fish formed, shown in the journal *Physics Today* of September 2022.⁵ This perfect crystal was formed by clockwise-spinning embryos, and according to nonlinear physics vortices spin clockwise and suck energy in.

Therefore, the crystal structure of the star-fish embryos was formed to assure larger energy flux to all embryos, which would assure their faster growth. (In nonlinearly connected systems, the energy of the system is always higher than the simple sum of the energy of its components). The material crystals also have higher energy. It is a well-known fact that crystals store energy, and as shown in my article⁶ crystals can be used to increase the impact of Reiki healing. Recently, nonlinear optics using IR lasers with nonlinear time-changing beams proved to successfully provoke phase transitions, which change the crystalline structure of the material. As a result, new out of equilibrium “exotic states with no equilibrium analogues” were found, which lead to the discovery of new materials with new properties.

Let us go back to the extracellular space of the cancerous cells. In the extracellular space, Russian studies found formations like “stacked coins” before the malignancy would appear. These stacked-coin formations could only appear if the NEMF in the extracellular space have been distorted. This gives us a hope that if we could restore the NEMF in the extracellular space with the use of nonlinear time-changing IR laser beams, we might be able to melt the “stacked coins”, restore the normal communication among the cells, and prevent the cancer. Similar is the situation with the formation of the amyloid plaques in the brain, which lead to Alzheimer disease. If we could with the use of nonlinear optics (by using nonlinear time-changing IR laser beams) melt the amyloid plaques, the development of Alzheimer disease could be prevented.

Acknowledgements

None.

Funding

None.

Conflict of Interest

Author declares that there is no conflict of interest.

References

1. C Nicholson. The Secret World in the Gaps between the Brain Cells. *Physics Today*. 2022;75(5).
2. M. Kuman. What Everybody Needs to Know about Chronic Pain, Chronic Diseases and Cancer. Health and Happiness Books. 1998.
3. M. Kuman. How Was the Material World Created? – Origin of Its NEMF, *Open Journal of Mathematical and Theoretical Physics*. 2019;2(2):34–38.
4. M. Kuman. The Mystery of Life and Health. *MAR Case Report*. 2022;5(6).
5. *Physics Today*. 2022;75(9).
6. M. Kuman. Reiki – Mystery, Placebo, or Real Energy Healing. *Acupuncture and Electro-therapeutic Research*. 2017;42:3–4.