In Memoriam

Peter P. Gariaev (1942 - 2020): Discoverer of Phantom DNA Effect & Founder of "Wave Genetics"

Huping Hu* & Maoxin Wu

ABSTRACT

Peter P. Gariaev (1942 - 2020) was the discoverer of phantom DNA effect and founder of "wave genetics". He was a member of DNADJ Advisory Board and published visionary and groundbreaking scientific papers in this journal. He was nominated for Nobel Prize in Medicine for 2021 according to his website and his legacy in science will live on.

Keywords: Peter Gariaev, phantom DNA effect, wave genetics, scientist, visionary, legacy.

We learned earlier this year about the passing of Dr. Peter P. Gariaev in November, 2020 from the Internet [1] and private communications as his passing was not announced on his website [2]. The fields of genetics and medicine have lost a pioneer and visionary and we have lost a dear colleauge and important contributor to this journal.

Peter P. Gariaev (1942 - 2020) was the discoverer of phantom DNA effect and founder of "wave genetics". He was a member of DNADJ Advisory Board and published visionary and groundbreaking scientific papers in this journal. He was nominated for Nobel Prize in Medicine for 2021 according to his website [2].

His contributions to the advancement of science and technology with his colleagues and collaborators include the following [3]:

> 1984 - 1985 - Using correlation method of laser spectroscopy, he revealed the phenomenon of abnormally long damped oscillations DNA gels with specific traits related phenomena return Fermi-Pasta-Ulam (FPU). This can be interpreted as evidence of spontaneous soliton excitation of DNA with the DNA of the new memory elements ("return") type. At the same time by the same method, he discovered the effect of DNA phantom memory that had not been previously well known.

Correspondence: Huping Hu, Ph.D., J.D., QuantumDream Inc., P. O. Box 267, Stony Brook,, NY 11790. E-mail: editor@dnadecipher.com

1992 - Using the method of laser spectroscopy correlation, he discovered the phenomenon of distant instrument of influence on the vibrational dynamics of gels of DNA.

1996 - In conjunction with a corporation, he and his colleagues created bio-radio-electronic and bio-optical systems that simulate some aspects of information-wave processes of the genetic apparatus. These systems combine functional nonliving (opto-electronics engineering) and live (live cells, tissues, organs, metabolic cell-free system), and preparative isolation and/or artificially synthesized genetic structures (chromosomes, DNA, RNA, proteins). Biological substrates used, functionality combined with fiber-avionics are memory elements and the basis of the simplest biocomputer, which is able to control the wave through the defined areas of genetic and metabolic information of biological systems.

1996 - Together with LPI he and his colleagues used the two-photon excitation of an artificial laser-like radiation DNA and chromosomes (superluminescence) as an analogue of the natural emission of photons genetic structures.

2000 – He laid the theoretical and experimental basis for a fundamentally new PLR-spectroscopy (polarization of laser-radio wave spectroscopy) with transition localized photons in radio-wave radiation of any object, including chromosomes, living cells, tissues, and metabolites.

1993, 2000, 2002 - In exploratory experiments, radiation damaged chromosomes of wheat and barley, as well as some "lively" radiation-damaged seeds Arabidopsis thaliana, collected in the Chernobyl nuclear power plant in 1987, were restored.

1999, 2002 – He established a theoretical basis, and made a soft reversible wave introduction of genetic information from DNA into the genome of the animal origin of potatoes and obtained in the 1st and the 2nd generation of a unique plant-animal "hybrid" with signs of unusual morphogenetic that have been lost (not inherited) in the 3rd generation.

2001 - 2002 – He transferred wave genetic information over a distance of about 5 km from the DNA sample extracted from the plant Arabidopsis thaliana line, the plant Arabidopsis thaliana other nearby lines.

2002 - He successfully transferred by a wave of genetic and metabolic information from the pancreas and spleen healthy newborn rats on adult rats suffering from artificially induced diabetes causing the symptoms of diabetes to disappear in a few days.

In additions, many of his important and more recent research results were published in this journal [*e.g.*, 4-6].

We have no doubt that he had made visionary and groundbreaking contributions to the advancement of science and technology. We at DNADJ celebrate his life with our dear readers and thank him for his important contirubtions to this journal – May his legacy in science live on for a long time to come!

References

1. https://www.youtube.com/watch?v=4iNP-cljvUo

2. https://wavegenetics.org/en/

3. Gariaev, P. P., & Leonova, E. A. (2014), The Strange World of Wave Genetics, *DNA Decipher Journal*, 4(1): pp. 39-56.

4. Gariaev, P. P., *et. al.* (2014), Materialization of DNA Fragment in Water through Modulated Electromagnetic Irradiation, *DNA Decipher Journal*, 4(1): pp. 01-02.

5. Gariaev, P. P., Vladychenskaya, I. P., & Leonova, E. A. (2016), PCR Amplification of Phantom DNA Recorded as Potential Quantum Equivalent of Material DNA, *DNA Decipher Journal*, 6(1): pp. 01-11.

6. Gariaev, P. P., Vlasov, P. P., Poltavtseva, R. A., Voloshin, L. L., & Leonova-Gariaeva, E. A. (2018), A Case Report of Tooth Regeneration in Dog through Wave Genetics, *DNA Decipher Journal*, 8(3): pp. 162-165.