

## Limitations of regenerative medicine and cell therapy in cancer therapy

Zhe Yin\*

Yanbian University, Yanji City, Jilin, China

### Abstract

*In this paper, the mathematical regularity of the formation of cancer is deduced by the theory of the change and stability of gravitational wave field. The relationship between cancer and DNA information changes is presented. The cancer record of the cell DNA, which does not have a sudden mutation, needs to go through a long smooth evolutionary process.*

**Keywords:** cancer therapy, cellular channel, stability

### Introduction

The universe is a strictly stable circulatory system [1]. The energy flow of the cyclic gravitational wave field is converted to each other to provide the basic metabolic energy of the earth's organisms [2-5].

Cancer is the product of long, steady evolutionary processes [6-13]. Long time stable change process and stable electron and atomic compound deposition process are required. When an organism thinks that it's in vivo and in vitro environment has changed into a stable and non-returnable environment, it changes the DNA control record to adapt to the current environment and evolution [10]. Its main function is to change the regulation rules of cell channel and organ tissue channel diameter [14]. The organism's overall cell division will meet new mechanisms.

As a result, the proliferation and circulation of cancer cells in organisms become possible.

### Prepare definitions

There are two states in the earth and sun's gravitational wave fields. One is the metallic state that ACTS as a polymerization. The metal atoms themselves are energy sources that can polymerize electron flows and accelerate cell division activity. The other is the nonmetallic state of dispersion. It has the property of homogenization, contrary to the metallic property.

**Definition 1:** (metallic aggregation state) if the intensity of the electron gravitational wave field rises gradually and monotonously, the metallic aggregation state is called.

**Definition 2:** (nonmetal decentralized state) if the electronic the strength of the gravitational field is monotonous declining gradually, says non-metallic decentralized state.

For the revolution of the earth and the sun, the time interval from perihelion to aphelion is called the nonmetallic dispersion interval. The time interval from aphelion to perihelion is called the convergence state interval of metallic properties.

In terms of the earth's rotation, it has the aggregation state of metallic nature during the day and the dispersion state of non-metallic nature at night.

### Basal metabolism and carcinogenesis

The basal metabolic process is the old and new metabolic process. Nutrient intake through cellular channels to eliminate unwanted and harmful components. These include tiny metallic particles or metallic compounds. Or through the digestive system, or through the respiratory system, or through the blood system and the skin, and so on [13].

Because metals have the function of polymerization, especially heavy metals, the higher the atomic weight, the stronger the binding force, the larger the diameter, the stronger the activity. Under the condition of metallic polymerization in cells, metals form compounds whose diameters exceed channel diameters and cannot be expelled [14].

When the environment in vivo and in vitro enter stable environment with high metal content, the organism changes its DNA cell control information in order to adapt to the environment and evolution [7,10]. It begins to expand all cellular channels into new, smooth metabolic processes. It creates conditions for cancer cells to form and flow [14].

During the excretion of its basal metabolism, various channels of different diameters will produce crowding and deposition. The channels of various organs are made of connective tissue. Connective tissue cells divide three times faster than muscle cells. Coupled with the strong activity of metallic cells, it is easy to become positive and divide quickly [13].

Regenerative medicine methods and cell therapies are effective until the DNA amplification channel command information changes. But once the DNA information changes, regenerative medicine and cell therapy won't have much impact. From a genetic perspective, evolution-based DNA changes are dominant and not reversible [7,10].

Changes in cell channel diameter in human cancer patients are measurable. Just as there are many kinds of metals, there are many kinds of cancer cells. What is certain is that the diameter of the cancer cells determines where the cancer is. Because the diameter of the cancer cell corresponds to the diameter of the biological channel.

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## Available methods

The most effective method is the regulation and alteration of DNA information. But the technology is not mature enough. The idea of chemical drug therapy is to control the activity of cancer cells in non-metallic environment by using non-metallic drugs. The point is that cancer cells are the same diameter as drug particles.

The life cycle of cancer cells satisfies the trajectory of exponential function (because the stability condition is satisfied). [8,9,12]. Dosage should also meet exponential changes.

Note: references [8,9,11,13], biological changes meet the stability conditions. Functions that satisfy linear increments have and only have quadratic functions and exponential functions (logarithmic functions).

## Conclusion

Genetic mutations do not exist, but are the result of long-term environmental adaptation and self-management. Radiation therapy is also intended to remove the activity of cancer cells. The key is to do it before the DNA information changes. The research method of inverse problem in mathematics can also be used for reference.

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\*Correspondence: Zhe Yin, Yanbian University, Yanji City, Jilin, China, Tel: 13504725758; E-mail: yinzhe@ybu.edu.cn

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