

DNA Transforms Masses

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Abstract: *DNA transforms masses, i.e., DNA are an infrastructure, i.e., the mechanism which direct and leads packages of molecules. DNA is a transformer. The genetic information is the physical structure of the chemical components A, T, G and C. Then there is no information, but this structure.*

Keywords: Information of DNA, diseases, Is DNA based on Watson and Crick an illusion? If yes, what causes cancer and degenerative diseases?

In this paper DNA is assumed to be an infrastructure building new cells and function as a *transformer*, not by the so-called information of DNA, but on the concrete structure of DNA, guiding flows of chemical components within molecules, each taking its position in DNA when properties fit. It is continuous flows.

Since contemporary science claims that DNA contains information, we must find out which information DNA consists of, needed by all forms of life to function, grow and reproduce.

What is information? Is it a program code or a recipe? By information we normally mean words which describe the concrete level of reality. When a human informs how to make a dinner it can be informed by a recipe. Building a house we follow a drawing made by an architect. Making heart surgery the physician follows the instructions of a medical manual. Is the information of DNA a manual of instruction?

What is DNA?

DNA, Deoxyribonucleic acid, is a double helix formed by two polynucleotide chains which carries the genetic information intended to affect new cells.

Now we have to find out, in detail, how DNA works affecting the entire human body and how the so-called information transforms cells.

Does the information have its own affiliation unit? Is there some kind of hard drive storing the information?

There are approximately 300 billion billion combinations within a cell DNA, a number greater than the number of galaxies in the entire universe and based on 300 billion base pairs, a number greater than all atoms and subatomic particles in the universe.

So, we must ask, is there any computer big enough to handle such amount of data. No, there are none computer with a storing capacity needed for storing that amount of information.

But let's suppose that the information is a unit, how does the information reach the molecules consisting of the nitrogen basis A, T, G and C?

How does the information lead to action?

Are there two levels; one level of information and one level of molecules, i.e., one abstract level and one concrete level? Is the information level the management who decide what will happen at the working level?

“It is not the chemicals in DNA that store information. Instead it is the **ORDER** of the chemicals that stores information. These chemicals are the *letters* of the DNA Instruction Book.”¹

But what does stored information in the ORDER affect?

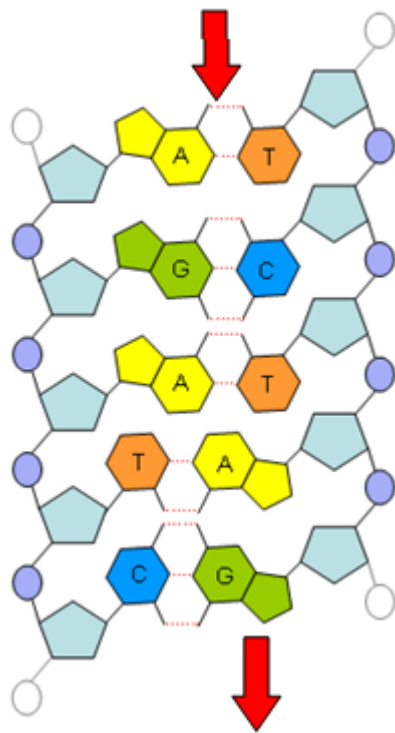
The Principle of Relations² claims that DNA is an infrastructure, i.e., *the mechanism which directs and leads packages of molecules*, to be called **transformer**, i.e., DNA transforms masses.

The principle of relations claims that the structure of the chemical components A, T, G and C organize how *incoming masses* are built. At a certain size, the cell has to divide, since it cannot handle too much incoming masses. Then, *genetic information is the physical structure of the chemical components A, T, G and C*. Even if sequences of A, T, G and C can be considered as a four-letter alphabet, it is concrete, solid and coactive chemical components, which allow flows to move in specific order, guided by the structure. When cells have to divide due to lack of space, new cells occur guided by the structure.

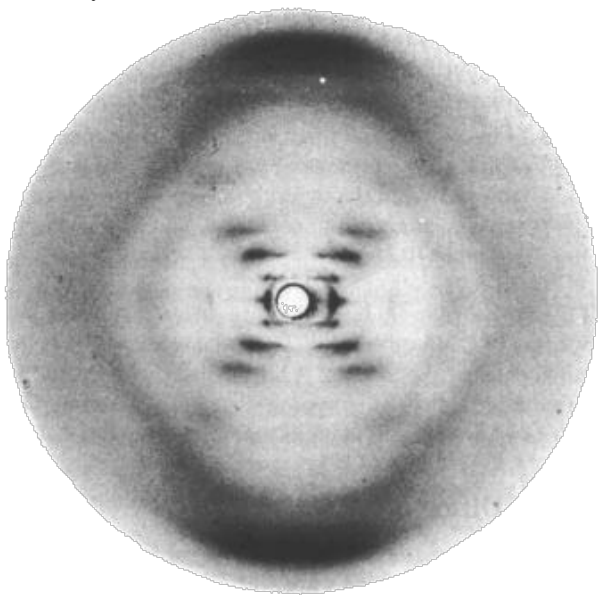
This will solve the problem of storing information, since there exists no information; it is the infrastructure of the chemical components, which automatically organizes incoming components.

When flows of components arrive into the structure of DNA, they will follow the pathway within DNA, each taking its position when properties fit. Spiral flows, consisting of chemical components, arrive and follow the infrastructure finding its place and position.

The model below is one example of the infrastructure of DNA:



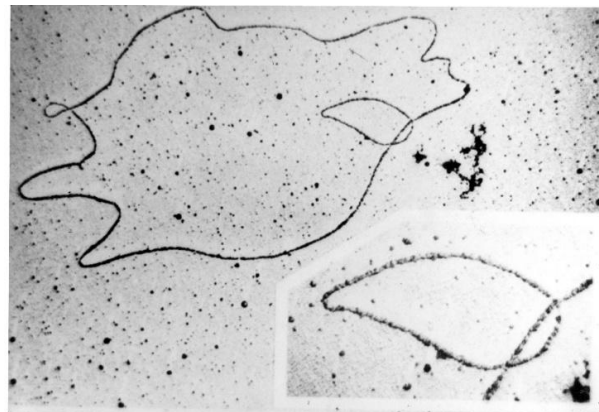
This means that we now have two different views of the process for replication³; one very fast and one rather slow. Let's call them WC, as in Watson and Crick, and PR, as the principle of relations. Since all processes are made on the smallest level known, i.e., 20 nanometres (nm), it is difficult to fully understand the behaviour of these particles. Looking at the X-ray of DNA below we understand.



The X-ray crystallograph shows a crystallized DNA molecule. (Source: Franklin's X-Ray Crystallography (mun.ca))

When particles move in DNA, what will it look like? Is it at all possible to find any real picture of DNA telling how it functions? Wherever we will search, we cannot find any pictures, only images made from our guess how DNA store information and how it divides.

The picture below shows DNA under an electron microscope, but does it make us wiser?



Source: File:DNA Under electron microscope Image 3576B-PH.jpg - Wikimedia Commons

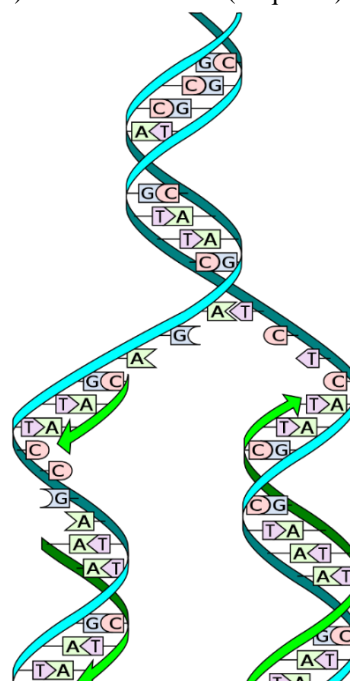
Even though science has shown that DNA is a true subject, existing in reality, and science has shown how it behaves, no one has ever seen DNA directly. It is indeed indirect proofs and equations, and this can be the phenomenon of Plato's cave. Furthermore, indirect proofs cannot handle the behaviour of reality; they are at the best fixed images.

Here we can ask Einstein's question of completeness⁴:

- 1) "Is the description given by the theory complete?"
- 2) "Every element of the physical reality must have a counterpart in the physical theory."

DNA follows these steps in replication, according to WC:

- 1) DNA double helix.
- 2) When hydrogen bonds break the double helix open. The enzyme helicase breaks the helix.
- 3) Two new identical DNA are produced, each with one new (green) and one old strand (turquoise).



According to PR there are continuous flows in the human body, then no hydrogen bonds are needed as well as no enzymes, since the copy has to be very quickly and performed smoothly and accurately. Then there is no time for chemical reactions, which has been invented by scientists, but we have to understand that nature itself has much intelligent, smoother and faster solutions. The process is totally automatic.

When new chemical components have filled up DNA it will automatically break, as a consequence of the big size. At this point in time we do not know exactly how this is made.

This view is quite the opposite to contemporary science, so we need to explain the theory behind this conclusion.

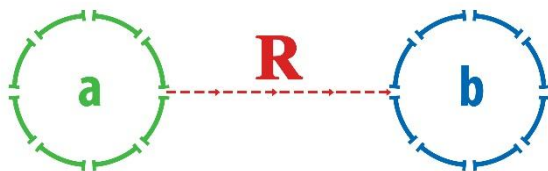
It all starts with a new principle understanding the human body and it is called the Principle of Relations.

The principle is based on three stipulated postulates:

- 1) Nothing exists in isolation; everything exists in relations.
- 2) Movement is a property of reality.
- 3) Every concept has to represent reality directly and concretely.

The concept relation relates to reality by showing that there are relations between all parts in the human body, where:

- 1) **a, b, c** ... are any system, subsystem, unit, part in any field of the human body, e.g. organs, cells, organelles, nuclei, atoms and molecules.
- 2) The relation **R** is a flow of packages, p_{1-n} , e.g. neutrons, electrons, photons, proteins, fats, polysaccharides between a, b, c ... in any part of the human body, illustrated by this basic model:



Based on the postulate - Nothing exists in isolation; everything exists in relations - in combination with 1 and 2 above, the principle is

$$X = aRb,$$

where X is any system, inflammation and disease⁵.

Between all systems and between all parts of any system, S, within the human body, there are continuous flows of packages p_{1-n} , i.e., $R = p_{1-n}$. The formula will be found this

$$S = ap_{1-n}b$$

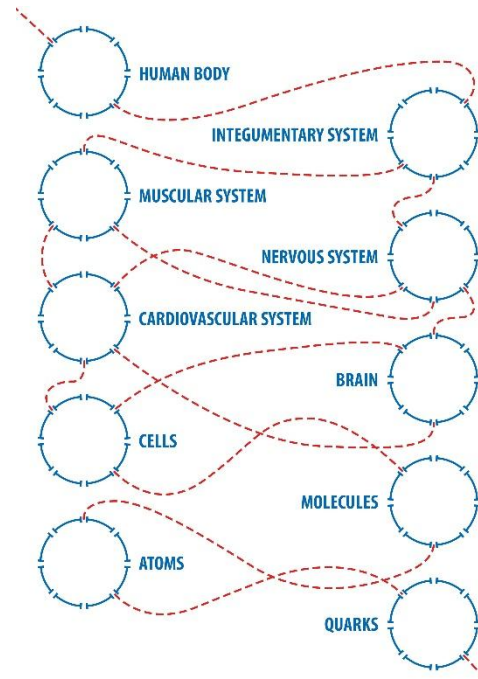
R contains p_{1-n} and the function of R is: $R = \sum p_{1-n} = p_1 + p_2 + p_3 \dots p_n$

This content will over time change any structure a, b, c in the human body, from the lowest element in the cells to

relations between subsystems. Within the body there is complex R_{1-n} .

The molecule of DNA, i.e., $S_{DNA} = (aRb)$, shows the relations between T, G, A and C.

This is the model of the Human Body, based on the postulate, *nothing exists in isolation; and everything exists in relations*:



The system of the human body consists of flows of packages between different subsystems, i.e., integumentary system, S_i , skeletal system, S_s , muscular system, S_m , nervous system, S_n , endocrine system, S_e , cardiovascular system, S_c , lymphatic system, S_l , respiratory system, S_r , digestive system, S_d , urinary system, S_u and reproductive system, S_{re} .

If S_H stands for the system of the human body, then $S_H = (aRb)^{-\infty}$ consists of $S_i, S_s, S_m, S_c, S_l, S_r, S_d, S_u, S_{re}, S_n$ and S_e , where each S_{1-11} has its own system of R_{1-10} .
 $S_H = (aRb)^{-\infty} = S_iR_1S_mR_2S_cR_3S_lR_4S_rR_5S_dR_6S_uR_7S_{re}R_8S_nR_9S_eR_{10}S_s$

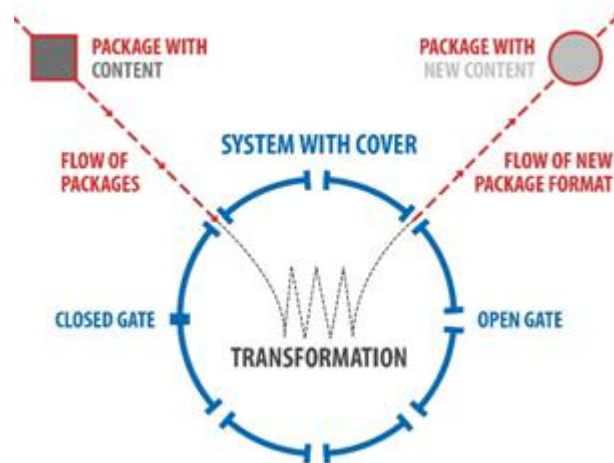
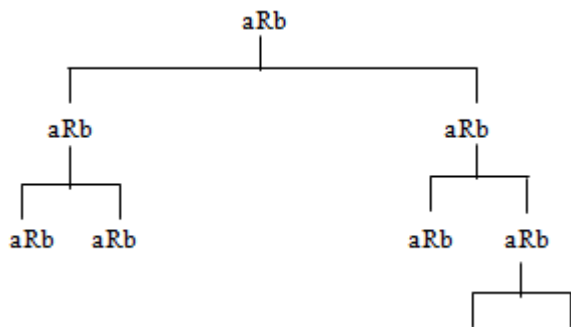
Based on the postulates and the Principle $X = aRb$, we can look into the System of the Human Body.

With the language of the principle of relation we can summarize the system, S, for the human body, H, as

$$S_H = (aRb)^{-\infty}$$

The flow of packages will over time change each of a, b, R and aRb. At t_1 the structure and its contents have one appearance and at t_2 the structure and its contents have another appearance.

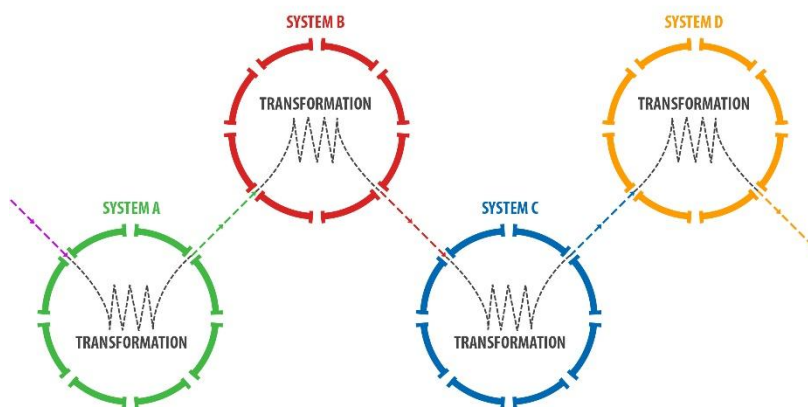
When we apply the principle to the human body, the hierarchy of flows can be illustrated as below:



Superior aRb dominates affecting subordinate aRb. When any superior aRb is damaged it will affect related aRb. If any superior aRb collapse, subordinate aRb related will collapse as well. This is the top-down approach. *Consequently cancer and degenerative diseases are not caused by genes, they are caused by damaged superior aRb, i.e., damaged flows.*

For each system there are gates, i.e., the transformation mechanism by the transformer, where the content of the packages is transformed for the next level of reality. Within the human body there exist millions of transformers and DNA is one.

The big challenge is now to identify all the p in all relations and to identify, directly and concretely, the logic of the equation $S_H = (aRb)^{-\infty} = S_1R_1S_mR_2S_cR_3S_1R_4S_rR_5S_dR_6S_uR_7S_{re}R_8S_nR_9S_eR_{10}S_s$ and illustrated as such:



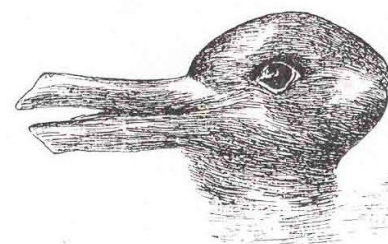
The size and volume for any system regulate the flows in and out of any system. When packages leave any system, new packages will come in, i.e., they are needed, since nature abhors vacuum. It is a continuous process.

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- 3) Ambiguous images illustrate the problem. The best-known image is the rabbit-duck illusion, which Wittgenstein explained by “seeing that” or “seeing as”:

Conclusions

- 1) Based on the Principle of Relations the theoretical foundation of medicine will change.⁶
- 2) Based on the principle of relations we have to look at the human body with new eyes.²
- 3) Does mutation occur as an effect of random or is it determined? When we use aRb, mutation is determined and not random.



Notes

- 1) How Does DNA Store Information? – CreationAndEvolution.org
- 2) The theory was first published by Cambridge Scholars Publishing: *The Principle of Relations*. 2018. The theory has been developed in the book *The Theoretical Foundation of Physical Reality*, authorHOUSE, 2020. Then the book *Reality and the Paradigm of Relations*

- 4) Page 777 in the PHYSICAL REVIEW, VOLUME 47, MAY 15, 1935: Can Quantum-Mechanical Description of Physical Reality Be Considered Complete? By A. Einstein, B. Podolsky and N. Rosen, *Institute for Advanced Study, Princeton, New Jersey*.
- 5) What is Inflammation? (ijsr.net) ; The Scientific Illusion of Homeostasis (ijsr.net) and How Mass Moves in the Human Body (ijsr.net)
- 6) The Theoretical Foundation of Medicine (ijsr.net)