

## Foundations of Biomedicine

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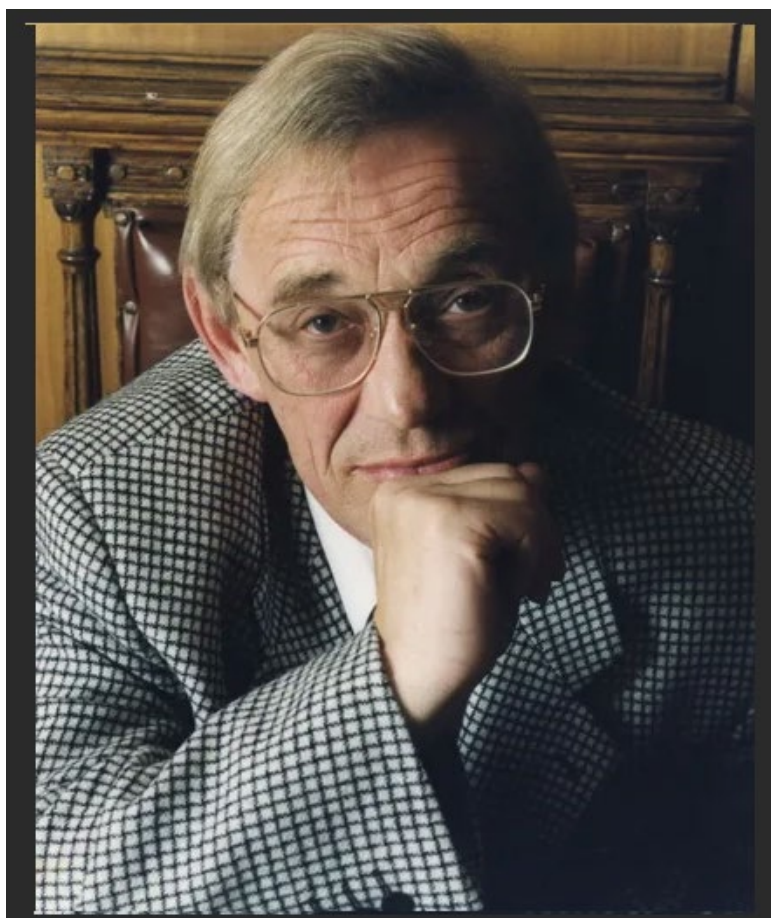
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*Biomedicine stands on two "pillars" - on Biology and Medicine. But phenomenologically, these "pillars" are defined with significant omissions. So the phenomenologically correct construction of Biomedicine itself needs to take into account an essential "parameter" in both "pillars". Namely, the PAIN of a Human and the "Pain" of a Living Cell. PAIN is usually the first sign of a disease. So, it is natural that PAIN Medicine takes into account. BUT this accounting is actually unscientific, but either intuitive, like doctors with a capital letter, or negative, like most doctors - cogs of the bureaucratic system. Whereas the scientific analysis of PAIN allows not only to build practical bridges between Biology and Medicine, but also to cure Medicine itself.*

**Keywords:** Scientific Phenomenology, Dynamic Element of Life, Human Nervous System, Medical Diagnostics, Living Cell Diagnostics.



Dedicated to the memory of the Doctor with a capital letter Professor Nikolai Pavlovich Shabalov  
March 21, 1939 - February 27, 2023

When I approached Nikolai Pavlovich after his lecture at the Leningrad Pediatric Institute with a seriously ill four-year-old

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daughter in my arms, he was the only one of all the doctors we went through in half a year who carefully studied my entire roll with a schedule of my daughter's condition for six months, and then felt her, jumped up like a child with an exclamation: "I found it!" I asked him cautiously, "Are you sure?" To which he answered me: "It's not me, but she said where her PAIN is. And I probed everything for her, including her heart!"

The subjectivist Hippocratic Oath "Do No Harm" takes on an Objectivist Meaning when refocused from seeking disease to Cure LIFE. After all, the phenomenological mistake of all modern Medicine is obvious - "Kastomarov had to be"treated" in the opposite direction - without taking him apart to the cell, but it was necessary to start treatment from the Cell.

## Introduction

According to the ESSENCE, the common, standard definitions of biomedicine, as a purely theoretical substantiation of medicine, the ESSENCE does not reveal it in any way. Hence the "result" – an eclectic set of various biological and medical studies, which does not even pretend to generalizing conclusions – bridges connecting them, which could be useful in practice and for the sake of which the independent Science of Biomedicine has the MEANING OF EXISTENCE. But the bare ABSTRACTIONS torn off from the Reality, even Physics was taken away to "Quantum" MYSTICISM.

Whereas in the very definition of Biomedicine lies its dual ESSENCE. These are two diametrically opposed approaches, which naturally should complement each other. As, for example, Statistical Mechanics, with the right approach, complements and even substantiates macroscopic Thermodynamics at the microscopic level.

If we start from this dual ESSENCE, then, by and large, all Medicine, with its terminology, or rather, with its INVARIANTS, has a direct connection with Biology through the Living Cell. This Cell, one might say, is Newton's ELEMENTARY Particle, on the basis of which the Newtonian differential calculus is built to calculate the trajectory of a macroscopic body. And the fact that at the same time Biomedicine does not fully cover all LIFE, let's say its origin and viruses associated with it, is not at all necessary for the completeness of ITS description at the cellular level and at the level of multicellular organisms.

But the problem is that there is no FULL, containing a sufficient and necessary set of own INVARIANTS for each of the parts of Biomedicine. Which, of course, does not in any way forbid looking for them, in theory, but in practice, which modern corporate science prevents so much that it can send the applicant to the "bonfire", like Giordano Bruno.

## Medicine

Medicine, at the level of its INVARIATES, is not strictly structured. It doesn't. for example, even a science-based strict definition of CANCER (as the Nobel laureate, who received the very prize for his work in the field of CANCER treatment, dared to say: No one will allocate money to solve the CANCER problem itself and I can professionally list dozens of diseases that are symptomatically identical with the standard set attributed CANCER, but it is easy to get money for another panacea for CANCER (which, as it will soon become clear, not only does not help in curing, but also aggravates the disease) "The problem of modern medicine itself is that it not only cannot be attributed

to exact sciences, but also fenced off from strict accuracy - its statistics are not at the level of the percentage of morbidity of a particular person, but at the level of the percentage of dead faceless patients with the chosen method of treatment. And as a result of these theoretical problems of Medicine itself, a DOCTOR with a capital letter, unlike medical artisans relies, first of all, on ELEMENTARY things and on his INTUITION. IT IS UNIT, and the entire medical system is just one of the varieties of bureaucratic structures. People clutch at MEDICINE like the last straw, not even realizing that in its bureaucratic tasks the task of turning the Personality into a disenfranchised Patient is in the first place. And such Medicine can help a patient only if the patient WINS a game in which his stake is LIFE, and in Medicine the stake is ACCOUNTABILITY and self-affirmation of the attending physician.

There was a wonderful American film about a simple guy, a cattle slaughterer, who is fond of astronomy at an amateur level. After the tragedy, when his family was killed, he killed the killer and decided to commit suicide. But he did not drown in a stormy stream - his body was thrown ashore, and his Consciousness was reborn. And when this "mad" Genius fell into the hands of a high-level professional in psychiatry, he was able to get through to his original, but destroyed Consciousness and! Turn it into a VEGETABLE! And this is, after all, one of the "peaks" of modern medicine, which has become bureaucratic not only structurally, but also according to ITS ESSENCE

## Biology

Biology, as a systematization of information about the collected leaves, flowers, spiders and worms, strictly speaking, only tried to reveal its own Biological INVARIANTS in Theories like Darwinism. But, from the point of view of the Exact Sciences of Mathematics and Physics, things in Biology are not better and, unfortunately, even worse. Although in the Exact Sciences themselves, as shown in my recent books, there are many Problems (see "FOUNDATIONS of the Principles of Quantization"), the very first attempt to use them in modern Biology seemed to bring even more harm than good. It all started with the fact that an unfinished physicist and a novice biologist, in fact, laboratory assistants in Brega's laboratory, "discovered" DNA. They were then even unaware that with the help of X-rays, the intensity they used, they "saw" not the LIFE of the cell itself, but its ashes. This "science" was not corrected by the death of Marie Sklodowska-Curie. But this example of "GLORY" inspired a whole generation of unfinished physicists, who even forgot Ohm's law from physics, to retrain as doctors of biological sciences. I was also convinced of the negative consequences of such a development of "Biology" from personal experience, when I was invited

for a consultation at the Bekhterev Institute of the Brain: they do not know how to measure, they cannot count, and they do not even have an idea about the basic models of Biology described in the same ten volumes of Richard Feynman on Physics!. And biology should dance from Feynman's ELEMENTARY "stove", only with the need to supplement it with the Dynamic Element of LIFE, without which LIFE is not LIFE. In this context, it is necessary to build the Basic Model of all Biomedicine. Of course, not everything is so gloomy. My son Daniel, participant of the International Piano Competition in Paris. Messiaen, who was fond of biology in childhood, and after graduating from the biological class, continues to maintain close contacts with the True Biologists, who, for conjectural purposes, retrained as doctors of physics and mathematics. Sciences. So I am aware that in the geologically modest Leningrad region there is a rather large canyon with vegetation and small creatures that are not at all typical for this region. I know that a lot of NEW interesting Ideas are wandering among the True Biologists. But, as usual now in clan science, dense canonized officialdom dominates in Biology. And if it were not for the bright journalistic activity of Stanislav Drobyshesky

- <http://rusnor.org/network/social/user/72420/>, <http://rusnor.org/pubs/video/18155.htm> (who in this regard can be called the successor of Ivan Efremov, who predicted a lot in science and life for decades to come), then Biology itself would remain in the backyard of Consciousness, which would undoubtedly lead to the stagnation of Biophysics as well.

**It is in this context that it is necessary to build the Basic Model of all Biomedicine, from the phenomenology of Medicine and Biology separately and from their generalization-unification.**

**I will begin with the phenomenology of Medicine, i.e. descriptions of its CHARACTERISTIC features**

### Human Pain

Medicine, if you dance from the "stove", deals with diseases, the very name of which includes the word PAIN. And in Russian, the usual name is the word HOSPITAL, this is not only a place of concentration of "an increase in the concentration of sick people (which contributed a lot to the spread of the pandemic of the same covid during the bureaucratic "treatment")", and this is not only a place of concentration of various diseases (which contributes a lot to their mutations and required the development of new drugs against RESISTANT HOSPITAL SPECIFIC VIRUSES). The hospital is, first of all, a place of concentration of PAIN. And her then, in fact, PAIN both in the hospital and in special research work, if they are investigated, then in the last turn. And in the first place, they seek to block it, for obvious reasons.

So, PRIMITIVISM, which is now triumphant both in Society and in Science, has led to the "disease" of Medicine itself. And it manifests itself in the fact that only PRE-PAIN is investigated, and when trying to treat the CAUSE of PAIN, only some of the SOURCES of PAIN that are supposed by indirect signs are treated. And this, by and large, is only possible for individual Brilliant Doctors, such as Professor Shabalov, using the most

ELEMENTARY (INVARIANT) means based on their intuitive feeling of the INDIVIDUAL as a whole. So the direct ELEMENTARY causal relationship in modern Medicine is broken at different levels, from the cellular level - from the source of "PAIN" of white blood cells, to the structural one - there is no peripheral PAIN system, but there is an electro-chemical "disease" of the endings and trunks of the synaptic nervous system, and even at the level of higher nervous activity - headache up to loss of Consciousness during stress, where the main "achievement" is the establishment that the same part of the brain is responsible for envy and for PAIN, and the reason for the elimination of mental pain by physical pain is not even subject to medical consideration. Although it is most necessary to consider IT in medicine, especially in psychiatry, it is also limited to the impersonal concept of illness. After all, PAIN, even with its sounding of the word, provokes PAIN. And if the same phantom PAIN indicate that the matter is not at all in the peripheral nerve endings (which are simply absent along with the missing part of the body), then headaches simply directly show that this pain is in the head, in improper processing of signals coming from receptors and in the PAIN shaping program. Of course, the correct operation of this "program" of Pain is also determined by the state of the "environment of its formation". So the same drowsiness or heaviness in the head, actually bordering on PAIN, is easily removed in the simplest cases, with a cup of coffee or physical exercises, which accelerate the flow of oxygen to the brain. And in the academic experimental studies of PAIN, for ethical reasons, one can say, "The Black Hole, which was only fragmentarily filled with "experiments" in fascist concentration camps, and "experiments" in special clinics of the CIA and KGB. Whereas a huge array of data from PAIN concentrators - hospitals, is not only not processed in any way, but is also hidden from patients and from Medicine as a Science. So let's start with an expanded definition of PAIN as a person's specific response to a disorder.

It is difficult and unnecessary to immediately try to strictly determine the MEASURE OF PAIN - as I have already written more than once, the correct description of any Phenomenon can only be built on the basis of the General Phenomenology of this Phenomenon, which begins with its detailed description, and conclusions in the form of judgments and even formulas are correct only then - in Formalized Phenomenology.

So let's start from the "stove" itself - from the consideration of PAIN from different angles, so as not to miss anything in the analysis.

Since I myself visited the champions at the age of 17, I know firsthand that muscle pains are associated with micro tears in the muscles, which in youth lead to both strengthening the muscles and increasing their mass. Skilled trainers teach willpower to suppress pain and do exercises even when it hurts unbearably. And weak-willed athletes use, at best, electro-stimulators to train muscle tension. At the same time, in different sports, with special training, you can separately from different muscle groups in your youth, say, transverse in boxers and longitudinal in swimmers and wrestlers. I also knew two young champions, one in the 100-meter dash, the other in the long jump, who, with-

out warming up, tore a muscle group, which is almost completely unrecoverable even at a young age and threw them out of big sport. By the way, in old age, physical activity should be reduced for an objective reason - the regeneration of damaged tissues is slower. Especially try to control the sudden movements habitual in youth - somehow he showed his grandchildren how far a stone can be thrown and tore a ligament in his shoulder. It took two years of smooth work with dumbbells for the torn ligament to be obscured by new fibers.

These examples are given only to emphasize that the pain threshold is regulated by the Consciousness. For example, you can "relieve" the pain either by complete relaxation, as in nirvana, say, with a cigarette, alcohol, and doctors, in fact, initially supplemented this list with drugs. But in this case, in "nirvana" the Conscious reaction of both the organism and the personality is completely violated under drugs. It is possible to remove the pain in an alternative way, which is well described by the word RAGE, which, as we see, is often used, and even deliberately demonstrated by wrestlers without rules. In this case, only certain parts of the brain are blocked. Local anesthesia only blocks the transmission of specific pain impulses from a certain part of the body, just as the same puncture in the spinal cord completely cuts off not only pain, but also the sensitivity and controllability of the lower body.

The first method, "nirvana", is fraught with the fact that the patient, being in fact in an unconscious state, does not actually control his transition to DEATH, and the surgeon operating on him controls this only by indirect signs and often with a delay. This reflects the high mortality of patients after major surgical interventions.

The second way of blocking pain is associated with the fact that a person dies when he believes that he can no longer endure pain and turns off his Consciousness - connection with LIFE. And this reflects the high mortality of patients after a serious injury, who turned off their Consciousness (lost consciousness in the usual sense of the word - stopped responding) even before the operation and continue to "live" like nails and stubble on their faces after death. And the right athlete knows how (without drugs) to "shield" his physical pain, and the right investigator knows how to cover his mental pain from the cruel World that he faces, and the right doctor knows how to cover his pain from the patients' pain. But Geniuses just, as they say, "have a hot heart and a cold mind." They can feel pain even more acutely than those around them, but they retain their Consciousness. At the same time, the DOCTOR, in addition to formal knowledge of the signs of the disease, even puts the patient's PAIN at the head, which formal, moreover, bureaucratic medicine simply ignores, urgently transferring the sick person from the category of Individuals to the faceless Patient. Thus, Medicine itself has deprived itself of perhaps the most powerful diagnostic Tool.

### "PAIN" of the Living Cell

We will not deal with combing the systematization of flower leaves here. Just as we will not deal with the systematization of a whole section of modern biology about the growth and di-

vision of Cells, we, of course, will not deal with it here. And I remembered him only in connection with the common expression "Nerve cells do not recover." This is, in principle, not true. At least by the fact that the sensation of pain itself is a violation of the maximum permissible loads on the nerve endings, i.e., in principle, their destruction, which we can feel more than once. In addition, artificial training with electrical impulses, say, of muscles, provides not only the opportunity to prevent their atrophy, but also the opportunity to prevent atrophy of the peripheral nervous system until its connection with the brain is restored. Yes, and recent experiments on mice have confirmed the possibility of restoring the destroyed cells of the optic nerve.

But, as we have already noted our feeling of pain, this "PAIN" is only pain sensors, which only indirectly demonstrate a violation of ALL Living Cells that "serve" these nerve endings. So, subsiding, "correct" pain signals us about the restoration of damaged tissue, while not subsiding, and even more so growing, in principle, also, in principle, "correct" pain indicates healing problems and even the germination of different organs into each other with an incorrect operation. By the way, similar processes occur during the growth of cancer cells, the causes of which may be not only due to the mistake of the surgeon.

A person, of course, cannot control the pain of a separate Living Cell with his integral sensations. Although the human body is able to signal with a high degree of locality both a direct violation in some organ of the body, and a pain sensation imitated by it, when some organ has come close to its limiting capabilities. And when the Nobel laureates watched the long-term (about 20 hours) electrical responses of the Living Cell to mechanical, chemical and electrical influences, these integral responses, of course, were not divided into its "PAIN" and inanimate piezoelectric, chemo-electric and electro-electric effects. Yes, and the reaction and paws of a frog to current impulses continue to be described on the basis of the Laws of Inanimate Nature, and the current impulse of a living stingray is the same, according to Feynman. But they received the Nobel Prize not in vain, because against the background of long-term responses they discerned a "noise", which turned out to be a quiet adagio, "written" strictly according to the NOTES, reflecting the Harmony of LIFE, its Dynamic Element. And this is akin to the fact that the person who is taken to be treated is ALIVE, which doctors do not always manage to save. So the "PAIN" of a Living Cell, of course, must be sought in its LIFE - in the change in the Music of the LIFE of a Living Cell. And for the analysis of this "PAIN", you can use, as described in the article "The Dynamic Element of Life", not only the acoustic range of the spectrum (and the ear of a professional musician), but also the far IR range, in which the spectral (Fourier) analysis will give irrational frequencies (in relation to Harmonic), which corresponds to "not comfortable" - disharmony.

### Scale Weave

Nature arranged the Human Organism quite wisely and, of course, LIFE itself connects its functioning with the functioning of the Living Cell. But there is no scientific analysis of this INTERWINDING of Harmonies yet, just as there is no scientific



analysis of feedbacks in the body, which reflect PAIN. Various teachings, such as Yoga or healers, are devoted to the improvement of these connections, which, one might say, was simply fenced off from Science. And in the scientific description of each scale level, one can and should strive to build a complete set of INVARIANTS of a given scale. But, of course, there are “bridges” between different scales. And their identification is facilitated by the fact that they themselves are clearly manifested. So ELEMENTARY Planck quanta give their flow in the form of a beam of light (diffuse), and being strictly phased, give a continuous coherent wave in the form of a laser beam. So, between the description of the PAIN of a Human and the description of the “Pain” of a Living Cell, there are “bridges” - diseases that simply cannot even be described without Biomedicine. But, as the Nobel laureate for RAKF research said: “Humanity does not know what RAC is, because does not solve the problem of CANCER itself, but is ready to allocate money exclusively for a panacea for CANCER, which, usually after a while, does not improve the patient's condition at all, and not rarely worsens it. In this regard, the abstract "pure" Science of Biomedicine has the advantage of being at least somehow protected from the philistine needs of the Society. Although how much, how much it depends on the financial sponsor, who may have his own not entirely plausible goals. But having a certain independence, in principle, it is Biomedicine that can find and understand the “bridges” between the vital activity of the whole organism and the Life of a Living Cell.

There are two most common diseases, or rather two “heaps” of diseases in which such a direct “bridge” is visible, but in fact its very presence is practically not used in practice. These are colds and CANCER!

At what, in many parameters of mass character, the COLD is in the first place. And although there is a whole section of Medicine dedicated to them, the basic aspects are missing - they are, as it were, hidden behind the term "Disease", which is of a General Character, and the cold Pre-PAIN itself is not diagnosed - it is not studied. Treatment is carried out, mainly, the consequences of a cold. And the actual struggle of the body with colds at the initial stage of the disease is completely shifted to hardening the body. And this is now, of course, the most effective way to fight COLDS, but this method does not add understanding at the level of Biomedicine just as naturally. And this omission is of a General Character, since it is the incompleteness of the description of all the stages of pre-diseases, which the COLDS can help to fill.

CANCER is significantly inferior in mass to colds, and ordinary medicine puts it in the first place because of severe pain. So in phenomenological terms, it is CANCERS that provide information about the maximum PAIN, but this essential information about PAIN falls out of the consideration of modern and Medical Science, both at the level of the Organism and at the level of the Cell. And, as it may seem paradoxical, the allocation at the level of Ordinary Representations of a “heap” of COLDS and a “heap” of CANCERS is just a defense - a filter from opportunistic pseudoscientific Theories, which are fenced off purely terminologically from the Consciousness of not only the inhabitants, but also from the Consciousness of a medical artisan . So

this filter separates the pure Science of BIOMEDICINE from various conjunctures.

### PAIN of Society

Modern Science itself, like all modern Society, can be said to be SICK. They are ill with the fact that they level the Individuality, turning him into a faceless patient. This, of course, makes it extremely difficult to treat a specific Individual, although there are plenty of signs of an analogue of the PAIN of the Individual in the most bureaucratic Society. But since the bureaucratic structure is only interested in self-preservation, it actually sacrifices Individuals, dealing exclusively with the disinfection of the Society. This approach, in principle, contradicts the LIFE of a social organism, even in comparison with plants. Those. Homo sapiens in a bureaucratic Society is doomed to extinction. And this PAIN of the extinction of the Intelligent Civilization is manifested in the fact that moronicity has become a mass disease. In a dying Society, a person HURTS TO THINK.

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