

CANCER AND THE ORGANICIST LAWS OF NATURE

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РАК И ОРГАНИЦИСТСКИЕ ЗАКОНЫ ПРИРОДЫ Рудольф КЛИМЕК

Abstract. The basic regulator of the existence and development of a person runs through selective elimination of individuals least suited to the environment what guarantees the continuous development of the Homo sapiens species. In protection of mankind a special place is taken by heredity and the upbringing of every person, who, basing on the free will has to live in accordance both with his own auto-teleological scale of values and the rules of social life. Personal ageing is characterized by a gradual loss of an internal equilibrium and by a lessened ability for self-defense and self-regulation of the man in response to the environment action; all the more, in the case of ageing – his “free will” and “auto-teleological scale of value” are equally (or, even more) are essential for older persons for their healthy life. An increased human weariness (fatigue) serves as a measure of entropy. Each body cell threatened with the end of its metabolism may extend its life in the form of a neoplasm cell together with the increase of dissipation of information, mass and energy in the tissues environment. The latter is a sign of the beginning of threatening the existence of the whole multi-cellular organism according to the local formulation of the **second law of thermodynamics** saying that **the negative source of entropy (decrease of cellular metabolism) generates its positive source!** It means that in the universe, as we say, “good always defeats evil!” but, factually, this is the natural (Organicist) law – Of ascending (in complexity) Self-evolvement of the universally (substantially) living world (Kosmos). What is more, the natural laws work harmoniously and independently of humans’ consciousness (which is just the tool – Function – of the self-evolving Nature); and while consciousness interprets the universe (and its laws and order) more or less correctly, and may even disrupt them – but doing this only locally, and not globally!

Keywords: *cellular and social life, natural carcinogenesis, iatrogenic cancer, $E = mc^2$*

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Резюме. Основным регулятором существования и развития человека является выборочная ликвидация лиц, наименее подходящих для окружающей среды, что гарантирует непрерывное развитие видов разумного человека. В защите человечества особое место занимает наследственность и воспитание каждого человека, жизнь которого, основываясь на его свободе воле – выстраивается в соответствии как с присущей собственной телеологической шкалой ценностей, так и с правилами общественной жизни. Старение человека (как личности) характеризуется постепенной потерей внутреннего равновесия и уменьшением способностей к самозащите и эффективной саморегуляции организма в ответ на вредоносные воздействия среды; тем более, в случае старения – «свободная воля» и «присущая телеологическая шкала ценностей» в равной (или даже большей степени) необходимы пожилым людям для их здоровой жизни. В отсутствие этого возникает повышенная утомляемость человека (усталость), и выраженность последней служит мерой энтропии. Каждая клетка тела, которая находится под угрозой прекращения своего метаболизма, может продлить свою жизнь в виде клетки опухоли, одновременно с увеличением диссипации информации, массы и энергии в окружающие ткани. Последнее свидетельствует о начале угрозы существованию целого многоклеточного организма в соответствии с локальной формулировкой **второго закона термодинамики**, в котором говорится, что **отрицательный источник энтропии (снижение клеточного метаболизма) генерирует свой положительный источник!** Это означает, что во Вселенной, как мы говорим, «добро всегда побеждает зло!»; но, на самом деле, все это являет собой естественнонаучный (Органицистский) закон – О восходящем (в сложности организации) Саморазвитии универсально (по существу) живого мира (Космоса). Более того, естественные законы работают гармонично и независимо от сознания человека (которое является всего лишь инструментом – *функцией* – саморазвивающейся Природы); и хотя сознание более или менее правильно интерпретирует Вселенную (и ее законы и порядок), и даже может нарушить их – но делает это только локально, а не глобально!

Ключевые слова: клеточная и социальная жизнь, природный канцерогенез, ятрогенный рак, $E = i mc^2$

Содержание

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Заключения

1. Introduction: Natural law of carcinogenesis

Man for centuries did not take into account the possibility of penetration even through opaque objects newly rediscovered informational rays and patterns, which are the quintessence of Biocosmos (see: video-document of electronic world congress “Biocosmology and cancer” (<http://tiny.pl/gnzdk-lectures> of Konstantin S. Khroutski, et al.). Universe is the informational four-dimensional spacetime being, understood by a mankind as a spontaneous mutual exchange of matter, information and energy between its elementary parts. For example self-organization of cells to protect their cellular forms of life makes understandable the emergence of cancer diseases that the public knows only of course for their last stage without taking into account the patients’ own leading role in this slow and lengthy process. Already a new form of cell is the first signal for activating systemic repair and defense mechanisms.

Matter and energy are just two aspects of the threefold informational essence of the reality. Mass is just super concentrated form of energy and both entities can be turned from one form to the other and back again owing to information rays and pattern field (natural laws), what only man describes as informational basis of individual and social human life, which are observed as existence of real cosmic particles: $E = mc^2$. The equal sign (=) denotes matter and energy as quantitatively equal and at the same time raised to the power of information (=i) it defines the information’s part in the equation [2, 3]. Man himself is only the smallest part (quantum being) of human verbal world, but the quantum of mankind are parents, because only they can bring each man or woman to existence, forming race of human beings. Information has a significant impact on the lives and health of people already in the unique intrauterine human development stage, later in his upbringing, education, and finally, in regard to their own existence of the family as the most valuable supporting structure in the existence of the Homo sapiens species.[4, 5].

My philosophy of being verifies also the existence of human transcendental verbal world (ideas), because language creates the informational basis for individual and social human life. Mathematicians have used their methods to study unusual phases or states of matter in ordinary three-dimensional materials, in which quantum effects of information are often hidden by random particle movements and only in extreme cold suddenly become visible when all moving cosmic particles cease. Alas A. Einstein in his theory of relativity disproved the “ether” known as the fifth element to air, earth, fire and water of antique universe, once thought to fill all space and allow waves to pass through it and interact with matter and energy, what presently means information not to mention about antimatter. Each person has own life experience influencing the way of thinking and understanding speech done in completely different situations using speech, mimicry, and voice intonation². Each person resonates to an even single word, if he understands it and wants to know how much he can use the information. The existence of information rays and pattern was proved by experimental documentation of sight's nature as third integrated part of reality which can be revealed by intellectual observations, what recently has been

² Klimek R (2014). “Threefold material-informational-energetic reality: $E = mc^2$,” *Biocosmology – Neo-Aristotelism* Vol. 4, No. 4 (Autumn 2014), pp. 405–415.

demonstrated at the 18ISBC (on October 12, 2018, at the Novgorod State University after Yaroslav-the-Wise, in Veliky Novgorod)³.

Information is transparent event (therefore for man hidden!) in each cosmic part and emerges under appropriate conditions rather than as the elements of the object, existing in any object among its elements as not visible but potential attribute. Each mirror picture appears thanks to resonating informational field (“pattern information”) in place of observer's localization, wherein the information rays coming from real object and from eyes meet together and have the identical value of their unique waves (Fig.1). The course of spatial radiation takes place on the way of real information (image) travel from the object of observation AB, through the mirror to the observers or cameras of digital transmission records (Fig.2). Transmitted images are successive informgraphs (CD, EF) of the original object, i.e. a two-dimensional portrait. Practically everyone can see own silhouette visible in the mirror, which reflection does not contain any single atom of the real person.

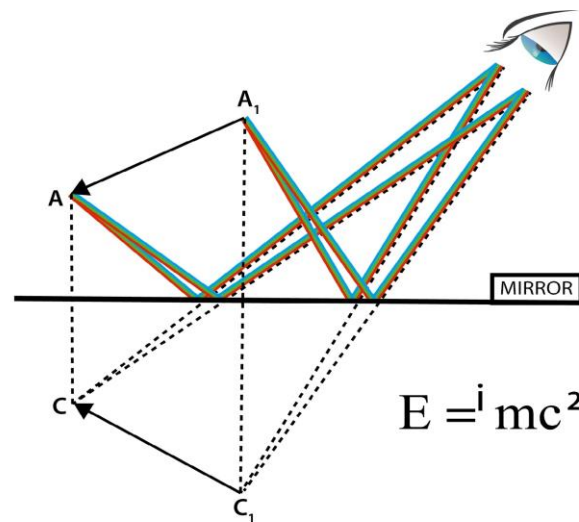


Fig. 1. The sight (.....) and light  rays – between eye, mirror, real AA1 and informational CC1 objects.

³ See the video-film: “*Information of spacetime Biocosmos*”–
<https://drive.google.com/file/d/1DlDmxxIMMZ5OoQSQ0NUuGRR8YRni3Jzx/view?usp=sharing>.

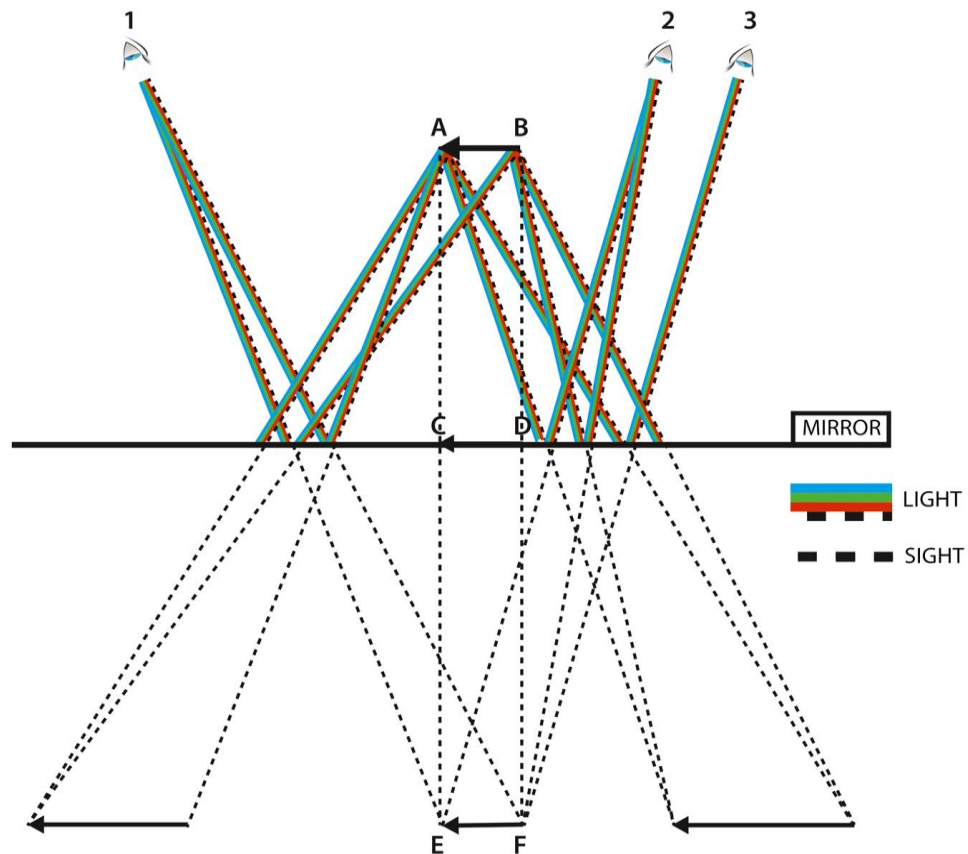


Fig.2. Information rays of transmitted images from original object AB to informgraphs CD EF

2. Prevention of iatrogenic cervical cancer

Any illness has not only a cause or set of causes based on the physical human condition and environment, but also includes personal and collective evolutionary informational processes. From the medical point of view many things are known to increase the risk of carcinogenesis which as a natural process is an alternative of cellular or social death. Neoplasm cell is an effect of carcinogenesis, but not a causal source at which cancer begins its course or existence. Information about the carcinogenesis and cancers has to be understood by the informed layman as well as by scientist, because human cancers are closely linked to certain behaviors, e.g. smoking is the biggest preventable cause of death and disease, what is also a vital aspect of cancer prevention, but a natural delivery is more important. The most important value for a human being is life, and (due to Aristotle) his Self-actualization during the entire ontogenesis. In turn, all this is transmitted and initiated by the two gametes originating from each of parents, nevertheless the fetal maturity to independent life can be reached only in mother's womb. The molecular biology has differentiated embryonic somatic cells and gametes, what enabled their direct examination by nuclear magnetic resonance imaging and spectroscopy to distinguish cancer from pre-cancerous lesions or benign tumors.

Cancer pattern is sharply demarcated from no-infected cells, because the transformed cells can grow under some conditions that block the growth of no transformed cells. Physiologically, the life of an individual cell ends with its division into two cells of the same genetic type or is a result of dematerialization of its matter into energy needed for formation of biological structures, e.g. blood or placenta. This phenomenon is already observed in embryo cells (blastocytes) before implantation in the uterus. During birth and rapidly thereafter microbes from the mother and the surrounding environment colonize the infant's gut, because during vaginal delivery the contact with the maternal vaginal and intestinal flora is very important. Infants born by cesarean section are lacking specific group of bacteria found in infants delivered vaginally, what can have potentially lifelong effects on the child's health. They are at increased risk of asthma, obesity, diabetes and cancer as man ages. Now current cesarean section rate was of over 30% despite evidence that a rate of 5% to 10% would be optimal. Some caesarean deliveries are performed simply due to maternal request (informational cause), what may incur several risks for the child: neonatal depression, fetal injury during delivery, increased likelihood of respiratory distress, and breastfeeding complications or autoimmune diseases.

The goal of the zygote as a unique single cell is the creation of a new being to uphold the species, but the development of the first neoplastic cell only extends the cellular form of life without the possibility of autonomous existence, since such a cell may form a new clone only in a similarly unique organism, in which it had developed. However, carcinogenesis cannot be eliminated, but illnesses which are caused by neoplastic cells can and should be treated, as they can be healed more often by directly fighting the pathogenic factors and indirectly strengthening the whole organism not only through neurohormonal therapy or immunopotentialisation with vaccines, but also using responsible information.. Unfortunately, up to date, for diverse personal reasons, information is often used to agitate for harmful ideas, which starts a new type of diseases (informatonoses). The information cause of this disease is disruption of the relationship between how man should live and act in accordance with the values he recognises and how he actually lives, especially being physician! For example Human Pappiloma Virus (HPV) as the oldest virus to afflict mankind – still cause warts today more often than at any time in its history. Virus infects about 20 million people and only 10.000 women are diagnosed with cervical cancer annually. Hans-Ulrich Bernard et all has used genetic genealogy to study the evolutionary history of HPV and concluded: “Homo sapiens was never without HPVs, and consequently never without warts and cervical cancers”, because first cancer cell is signal of insufficiency of organism self-control to exist⁴. Now we know that genome of cervical cancer cells is the source of more than hundred types of HPV viruses which are cause of infection diseases being only additionaly but not sufficient cause of cancers.

⁴ See: van Doorslaer, K., zur Hausen, H., Villiers, E.M., Bernard, H.U., Burk, R.S. and Chen, Z. (2010) Classification of Papillomaviruses (PVs) Based on 189 PV Types and Proposal of Taxonomic Amendments. *Virology*, 401, 70-79. <http://dx.doi.org/10.1016/j.virol.2010.02.002>

First cancer cells are foreboding signals on the last human way to die and therefore man should try to prevent the carcinogenesis instead to cure only the cancer diseases, because first cancer cell only indicates the insufficiency of organism self-control to exist. As people get older their cells start to “slow down” or become less effective and unable to mount as quick and/or strong any response as a younger person. Personal ageing is characterized by a gradual loss of an internal equilibrium and by a lessened ability for self-defense and self-regulation of the man in response to the environment action. It results in an increased value of human weariness (fatigue) as a measure of entropy, the production of which is always greater than zero.

The smallest unit of information describing all possible states of any system is a qubit. Every matter-information-energy being (structure, process) in the universe contains in its cause information, which in the cause-effect feedback is a desired and immediately afterwards created effect what is always accompanied by the creation of entropy, the magnitude of which is also described using qubits. In medicine this allowed to understand the origin of aging and cancer. At the same time, information about the carcinogenesis is the full Information about both the carcinogenesis itself and the individual himself. Therefore, another way of strengthening the whole organism is the Biocosmological providing the individual with relevant conditions and information for effective realizing his higher ontogenetic goals, which substantively allow his considerable contribution to realizing the higher sociocultural strategies, and therethrough harmonize the state (health) of the bio-organism. But, first of all, we ought to recognize the Organicist truth (Biocosmological law) – Of ascending (in complexity) Self-evolvement of the universally (substantially) living world (Kosmos), i.e. of its each living thing (subject). In this course, as we clearly see – the fight with cancer has both (of equal importance) the biomedical and Biocosmological constitutes. For that reason, we urgently need the Integralist scientific basis (Integralist cosmologies and scholarly foundations) to integrate them both.

3. Cellular and social life

Man is endowed with free will, which ensures a good and functioning social life only as long as the eternal laws of nature are followed. Humans do not create these laws, but can only strive to understand them better in order to use (follow) them, e.g. taking into evaluation the character of cancers or infertility and why the prolongation of human lifespan increases the number of neoplastic illnesses as the organism ages, but the ageing is not illness! The basic regulator of the existence and development of a mankind runs through selective elimination of individuals least suited to the common environment what guarantees the continuous development of the Homo sapiens species.

Therefore K. Khroutski demands increased methodological medical procedures on the side of health and not only on the side of predominantly diseases, as is the case today[3]. In treating neoplasms doctors use scalpels, lasers, radioactive radiation and even poisons as effective tools, part of which is also language, made up of words,

which are understandable by patients as necessary factor in all medical prevention and prophylaxis so that everyone could understand the primary significance of own personal life style in the formation of social health along with importance of caring about the environment inhabited by people. Essentially, however, dynamics of life processes means as the inner self-regeneration of a subject's life activity and growth potentials, as the active and effective functioning in the relevant sociocultural milieu⁵. Otherwise, in the case of discrepancy between the inherent potentials and the external conditions for the effective sociocultural functioning and Self-actualizing (thus realizing the personal growth) – the only option for each body cell threatened with the end of its metabolism is the extension of its life in the form of transforming into a neoplasm cell together with the increase of dissipation of information, mass and energy in the tissues environment. This dissipation becomes a local sign of the beginning of an illness threatening the existence of the whole multi-cellular organism.

Due to modern technology one may define the most endangered parts of the organism via magnetic resonance imaging with spectroscopy. Finally, the modern thermodynamic methods found a direct use to determine the characteristic changes in cells undergoing carcinogenesis in form of the local formulation of the **second law of thermodynamics** saying that **the negative source of entropy** (decrease of cellular metabolism) **generates its positive source!** It means that in the universe good always defeats evil! What more, **the natural laws work harmoniously without the involvement of humans free-will!** Herewith, in the light of aforesaid, and in respect to the organismic level – the saving of an organism (that is under the danger of carcinogenesis) is essentially its shifting into a higher sociocultural level and the relevant milieu for the efficient Self-actualization of a person in premorbid condition; in old age – mainly through the Information-constituent of the matter-information-energy interrelation and unity, and their telic hylemorphist activities and effects.

Already Leonardo da Vinci stated that nature does nothing in excess or with mistakes, while John Paul II added that: “modern man seems to be continually endangered by what is his own creation”. Each person’s unique informational identity appears in the moment the two gametes with different parental identities merge into new cell (zygote), which biological importance is demonstrated by the huge selection from millions of dying spermatozoa and hundreds of thousands of egg cells to be used at the moment of conception. The journey through death towards life is a mystery of an inter-generational transfer of life between generative cells of the grandparents and individual persons. It explains the genetic relation between diagnosed cancer identity and just genome of grandparents. The reproductive cells of

⁵ In the “*Nicomachean Ethics*”, Aristotle concludes 1.9 by repeating and even strengthening the demand that happiness include “a complete life” – both “complete virtue and a complete life are required” (1100a4-5) – for the *eudaimonia* of a man (his happiness, hence – his wellbeing and health). In general, as the researchers conclude – “According to Aristotle, *eudaimonia* is constituted, not by honor, wealth or power, but by rational activity in accordance with virtue over a complete life, what might be described today as productive self-actualization.” – see: https://www.philosophybasics.com/branch_eudaimonism.html .

the grandparents influence the unique identity of the parents, whose gametes in turn influence the cellular genome of their children. Therefore a single zygote, whose environment is also important for its future development, defines the unique identity of each person, whose life is determined by free will and neoplasms. In this, gynecology has a special place by protecting the patients' health from their conception in accordance to the contemporary level of knowledge, avoiding iatrogenic mistakes. Once death occurs, the atoms of which the body is made – fall apart into independent entities, but the person's past deeds leave behind accessible information about his unique life, which already began in the informational program of his own zygote, and still exists in his informational legacy or in the social memory of individual life⁶. Every person, fulfilling himself in social life with other people, is created through the unification of generative cells of his/her parents as a unique single cell (zygote) to uphold the species. Oppositely, the development of the first neoplastic cell only extends the cellular form of life without the possibility of autonomous existence.

Carcinogenesis cannot be eliminated, but illnesses which are caused by neoplastic cells can and should be treated, as they can be healed more often by directly fighting the pathogenic factors and indirectly strengthening the whole organism through neurohormonal therapy or immunopotentialisation with vaccines. Every living cell, in order to function, must uphold its own metabolism through the exchange of matter, information, and energy with surrounding cells, as well as complementing their functions by producing hormones, enzymes, or antibodies to uphold the function of individual organs and the whole body. If for some reason this exchange becomes limited, the cell initially limits additional activity. Finally, in order to counter the demise of its cellular existence, the cell must change the cellular genome which controls the metabolism. Neoplasm as a new one time biological self-organized event – extends the cell form of life by improving and minimizing its own metabolism and this takes place due to increase the dissipation of matter, information and energy in the environment. This fact results from their statistically conditioned self-organization in a unique biological organism, and they are only able to develop in that organism. Owing to such dissipation, a neoplasm reduces in life span of the organism, thereby reducing its own.

Matter and energy are just two aspects of the threefold informational essence of the reality. Sight, light, color and form themselves are not only the subjective “perception” or “cognition”, but first of all the original forms of the information feedback as an exchange of verbal, vocal and non-verbal signals (symbols) in a given situational context in order to achieve a better level of cooperation. The expression of the eyes during the conversation testifies the emotional state and is usually the first reaction to information sent by another person and may reveal true personal feelings and opinions with so fast flow that people often do not even realize it. Exemplary for decades the formation and different causes of cervical cancer have been studied, in order to model all diseases, then completing the new equivalent equation $E = {}^i mc^2$.

⁶ Klimek, Rudolf (2014). “Threefold material-informational-energetic reality: $E = {}^i mc^2$ ”, *Biocosmology – Neo-Aristotelism* Vol. 4, No. 4 (Autumn 2014), pp. 405–415.

The decision about the truthfulness of an event can be in accordance with it, or it can be a lie based on bad conscience. Therefore Biocosmologists demand the increased medical procedures on the side of health and not only on the side of predominantly diseases, as is in today's medicine.

Conclusions

Being is a basic part of the triune Biocosmos whose quintessence is life, i.e. the informational interchange of matter and energy among directly or indirectly visible particles of universe. The most significant quality of alive being (having life) is the distinguished possibility of transferring its life from one person, place or situation to another, because life is not only quality which alive people, animals and plants have when they are not dead, but which solely cannot move away from the remaining not living objects and substances [3, 4].

Now the observable beings refer to the capability to detect not only light, but first of all the information rays coming from any object and moving in any direction not being restricted, what e.g. happens with light rays or speech sounds⁷.

The truth about the natural cause of cancer, which is commonly defined as all neoplastic diseases, astounds people. The word 'truth' as the informational opposite of 'lie' has a triple meaning, because it is not only the name of an event (structure or process) at the same time proving its real existence, but also means it is identical with the name of true structure or process it describes. Everyone knows that certain words can easily lead to loss of friends, a break of friendly relations, and maybe not always a loss of love, but it never leads to the disappearance of remorse. This is so because the beginning of each event belongs to its cause, but at the same time it is already part of its effect. Truth as an informational event resonates with human conscience.

Every man reacts to his own consciousness (which resonates with information field), sounds, signs and words of directly observed material objects and/or to the indirect energetic changes in their material form of existence. This is where moral self-evaluation lies – called human conscience, which, independent of free will, shows the congruency of man's existence with the laws of nature; and all this is directly directed to the natural Organicist law of ascending (in complexity) Self-evolvement of the universally (substantially) living world (Kosmos). Humans do not create these laws, but can only strive to understand them better in order to use them. The concept of truth is one of the natural laws, which people with the lack of understanding thereof, try to conceal in self-made laws or rules. Man is endowed with free will, which ensures a good, functioning social life, but only as long as the eternal laws of nature is followed. Precisely this is the goal of the **World Information University (WIU)** with its motto: **Do not be afraid of Truth, and Do Telic Good!** and formula: $E =^i mc^2$, wherein "i" has basically the meaning of *Telic* Aristotelian Information, which relates essentially to the naturalist (*telic*) notions of *Hyle*, *Morphe*, and *Entelecheia*. The fundamentals for its *methodology* are the principle of

⁷ Klimek, Rudolf (2014). "Threefold material-informational-energetic reality: $E =^i mc^2$ ", *Biocosmology – Neo-Aristotelism* Vol. 4, No. 4 (Autumn 2014), pp. 405–415.

auto-teleology of John Paul II⁸, recognizing the Triadological essence of rational knowledge (see the explanation at the BCA-site – <http://en.biocosmology.ru/>).

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⁸ Given in Rome, at Saint Peter's, on 14 September, the Feast of the Triumph of the Cross, in the year 1998, the twentieth of His Pontificate.