

"Man from the very beginning" or the relation between Christ's Incarnation and the modern discussion about bioethics

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I Abstract

Some facts of actual human biotechnology: Gene decipher onto computer clustered symbols. Do we really know more of the status of life? Indeed, possible are diverse gene set tests, detecting of letal points and links, comparing of gene sets and personal bodily identifications, replacements of distressed sections, cloning, extracorporal conception and stimulating of embryo-genesis in vitro, freezing and defrosting of biological material, changing the gene-kernel of woman egg and much more. But the clue is the total missing of the regulating integer instance on the gene level for the method of scientific objectification. The human 'who' is evidently acting by exhausting the multiply interweaved chromo-some and gene sections throughout embryo-genesis from the start on. So the question reveals as senseless: when or by what biological armament does human life start? The initial act of merging woman egg and manly semen is controlled from the unification act by a godly gifted will-active soul or personal spirit (nous, anima intelligens). The integer human person is from the very beginning not depending on the effectiveness of biological substrate. An integer human person as such can not evolve from an ensemble of molecules of any order! The incarnation of Christ as the everlasting God's Son is the genuine demonstration of this fact! The Holy wholly start-cell, a creation of the Holy Ghost (Spirit) in the womb of Maria, represents Christ totally in his human essence, also in the one-cell-phase. The crucified Christ, bodily factual dead, faced simultaneously the late mankind in the hades, the kingdom of the dead. So the individual start of each human life, and analogously the expiring of bodily life, is no break of personal identity. Begin and end of human bodily life remain a holy mystery, not to grasp by the way of natural and medical sciences!²

II The Debate on Dignity, Rank, Worth of human zygote, From the very start of Conception

The biological basic research results and their handling in bio-technological applications (agriculture, and breed research, and pharmacy, and medicine) seem to demonstrate, that biological material may be handled very analogously to physics, chemistry, and concerned technologies.

The now found access to the molecule building blocks, physiological and neurological procedures, leads to the outspread meaning and behave of most scientists, that it would be only a question of time to explain, understand and manipulate biological substances and features the common ways of natural and technological methods. In mind the conclusion: there is nothing else than clusters of cells, may be highly complicated to organs or brains as a natural result of a long evolution process over billions of earth-years. The human experience of a consciousness or mind features may be a very self illusion as a mere epiphenomenon (parallel impression) of neuronal networks.

The constitution of the German Federal Republic (1948) states: "The rank/ worth/ dignity / of human life is sacrosanct". This basic statement can not be changed by voting against by any majority. Now looms ahead a challenge: The constitution of EU avoids such obviously in a Christian traditions rooted restrictions. GFR has until

¹ Basic source for the enfolding of these reflections: H.W.Beck: "Marken dieses Äons", Bonn-2003 [Marken-2003]. http://www.horst-w-beck.de/pdfs/Mensch_in_Wuerde.pdf 2011.

² Booklet article available {German}: >Menschenmachen?< in, Marken-2003, p.53-93.

now the most restraint law of protection of zygotes and embryos on the whole globe. EU laws and the mighty naturalistic industrial lobby may attack this bastion.

On this background it seems more and more hardly to offer intellectual stable arguments against the secularised scientific, industrial, and political lobbies. But before we can really strengthen some plausible arguments from the frontiers of modern science for the mystery and worthiness of human life from the start on, we have soberly to face results of research and biotechnology. I'll list up some, indeed eclectically, and of course without discussing their special applications and outcomes. I hid the facts in a kind of lamentation: Why does the Creator allow by very creation facts his creature man to do so? Why are these things factually possible?

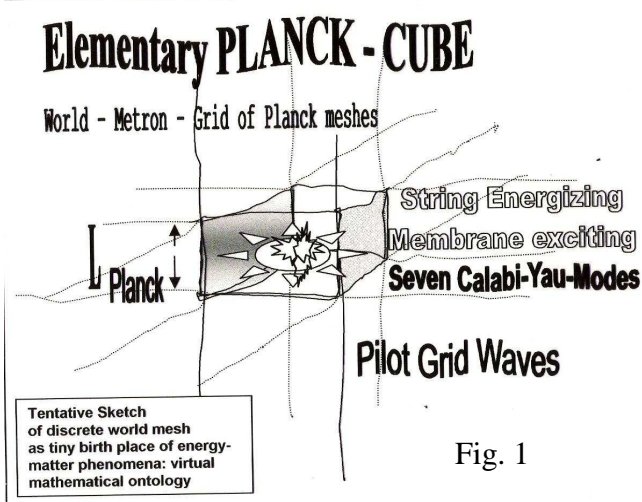
- 1] Separate from stem-body and handle sperma (semen) and female eggs in vitro.
 - 2] Artificial fertilization and starting of embryo-genesis in vitro
 - 3] Freezing, conservation and defrosting of biological substrates, also animal (human) embryos.
 - 4] Cloning [twins as natural clones].
 - 5] Stem cells are to separate, and viable, and to handle in vitro and other artificial substrata.
 - 6] Checking, changing, partly synthesizing, and repairing of gene sets.
 - 7] Interchanging the gene-kernel of a female egg (haploid, diploid, changing kernel by free choice, cloning oneself with her own genes).
 - 8] The wide spectrum of transplantation of genes, cells, organs.
- What does constitute the identity of an organic individual, a human person?

Yes, one can! How to apologize on face of this challenging background for the unity, identity, the worthiness, the dignity of a human person from the start by conception?

III Some highlights of the frontier of science

Thesis: *All phenomena of the visible stage of this eon are projections of so called quantum vacuum or hyperspace.*

Why such a demanding deviation to come to scratch with the above listed challenges? Answer: because the wonder of creation is so fantastic styled! The wisdom of the creator is so much higher than the gained knowledge and invested



fantasy of human scientist! The empiric access on the created things as cells, genes, molecules, atoms, elementary particles, light itself, common with the interpreting theories, seems always only a scratch on a surface of an unknown deepness. Take the picture of the wave-foam of the deep ocean, on which the scientists are engaged. To be short: I'll choose, let's hope, an enlightening foil: {Fig 1: Elementary Planck Mesh - Information Hierarchy in Hyperspace}.

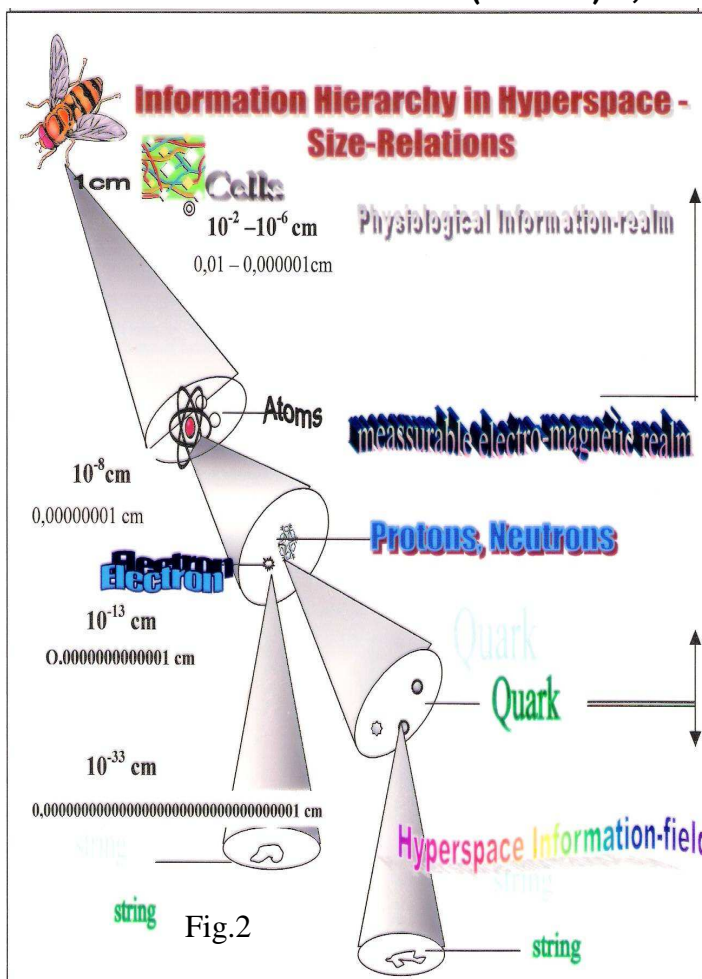
Some features in my risked interpretation: A good start may be pictures of Psalm 104, 1-2: **“Bless the LORD, O my soul! O LORD my God, thou art very great! Thou art clothed with honor and majesty, who coverest thyself with light as with a garment, who hast stretched out the heavens like a tent (curtain)...”**

Light unveils at the one side as the deepest mystery of creation and on the other side as the basic energy substance of physics with unlocked and fantastic characteristics. The light features present the space-time as such in I.Newton’s sense: sensorium dei (fabric of space; mediating field of god’s hidden everlasting activity to rule and sustain the things).

The frontier theory of physics - summarizing all powers and feed back structures - unriddles as a projection theory of hyperspace. The German physicist B. Heim sketched it in a mathematical cloth {fig. 3}:

In 2001 died a German theoretical physicist. BURKHARD HEIM, leaving behind four volumes³ on a basic quantum field theory (developed over 50 years). B. HEIM graduated in theoretical physics at the University of Göttingen 1954. But as a disabled invalid (crippled by a war accident 1944) he was prevented from an academic carrier and so he could spent his adult time for this work. As HAROLD E. PUTHOFF in 1997 was informed on the theory by a group of German physicist, he stated: this stage of theory overtakes the American scenery in super-gravitation (TOE) for three decades⁴.

In short some features in my interpretation: B. HEIM started the KLEIN-KALLUZA way of a total geometrization of all forces, inclusive *information-causality*, by respecting the results of quantum theory. So the basic feature of space-time is a *discrete* one, and the fabric of space needs a discretely describing not in differential equations (as GRT), however by a set of discretely formulated difference-equations for all mutual effects on the base of PLANCK-WHEELER structure of hyperspace. Fascinating solutions of



MYSTERY OF LIGHT AND TIME

Coordinates of the material world and the 6 Coordinates of the non material back-ground

(R3)	+	(T)	← S2	← I2	← G4
					Fig.3
Space	+	Time	Structure	Information	Space G4
(x_1, x_2, x_3)	+	(x_4)	(x_5, x_6)	(x_7, x_8)	($x_9, x_{10}, x_{11}, x_{12}$)
Material World				non material back-ground	

Projection chain from G4 into the material world according to W. DRÖSCHER - B.HEIM [Strukturen der physikalischen Welt. Innsbruck 1996].

³ On B..Heim see: Variationen 6.3. p 81-92.

⁴ http://people.blinx.de/behemoth/protosimplex_c.htm

the basic set of difference-equations were found. One could imagine a primordial expansion phase with the result of a nearly static cosmic web of PLANCK-cubes, by HEIM called '*metron*'. It is not a sea of randomly moving PLANCK-particles. It is a space-time corset for all thinkable events. In this cosmic grid as a three dimensional and finite standing wave set, each space-time-point in form of a discrete PLANCK-cube may be accessible by mathematical algorithms. This theory with its solutions leads to a multidimensional hierarchy of coordinate-spaces, ending in the mathematic way organized causation regimes. All events appearing in the foreground of fourfold EINSTEIN-space-time are projections from hyperspace creation-background.

IV Conclusions for the biotechnical scenario and the listed facts (II, 1-8):

A] Physical basics:

Elementary particles, atoms, stars, star dusters, galaxies, are projections of hyperspace, caused, ruled, and steadily gifted by the Creator. Cosmology, Physics, chemistry, physiology, neuroscience, information theory, cybernetics, have only access on the surface realm of s. c. second causes (*causae secundae* - ocean surface foam). Psalm 104, 29-32 brings in vision: "When thou hidest thy face, they are dissipated; when thou takest away their breath, they die and return to their dust. When thou sendest forth thy Spirit, they are created; and thou renewest the face of the ground. May the glory of the LORD endure for ever, may the LORD rejoice in his works, who looks on the earth and it trembles, who touches the mountains and they smoke!"

B] Biological matters:

What do biologists know if the molecular structures of genes, chromosomes sets, are transformed onto computer symbols? The most ambitious project of recent biology sounds: let us decipher all genomes of plants and animals, included the mammal 'man' (*homo sapiens, sapiens* - project 'HUGO'), and we can grasp the evolution from amoebia (single cell life) to man over the billion years of earth history, and naturally understand the embryogenesis from a fertilized semen or egg onto the matured organism 'rose', 'butterfly', 'man'. Give us enough money and time and the secret of life is veiled!

The contrary is reached: the biologists must face the unsolved mystery of individually controlled complex information managements by all embryonic steps. The details of developed information theory, styled at computers, robots and organisms, show the need of a controlling agency. What or 'who' is the stimuli dispatching agent? FRANCIS SELLERS COLLINS, famous American physician-geneticist, one of the stimulants of HUGO, than a convinced naturalist, converted faced to the results to Christian belief⁵.

Look at the human fertilized start cell zygote! At once, when a spermium (mal semen) breaks through the cell surface membrane, a highly organized procedure is to be observed for running. Be aware; that's no pure chemical process! The above mentioned theoretical physicist B. Heim stated: we conclude by demand of controlling capacity a simultaneous coupling of a hyperspace agent to rule the things from the very start on. There is really a threefold entity: biological fine tuned substrate, information management, and the agent's activity. Traditionally one spoke of the godly

⁵ Collins has written a book about his Christian faith, and Pope Benedict XVI appointed Francis Collins to the Pontifical Academy of Sciences.

gifted soul or human spirit. From the very beginning of conception there is a human trinity (Popper-Eccles): body, information household, agent. This view is by no means arbitrary or artificial. It stands in the recent context of:

a) the highly developed **agent theory for technical and virtual robots**, combined with the global internet challenge; (knowbots, avatare).



b) the **very challenge of an electromagnetic body** (EM-body, Fig.4⁶), in which the atomic hard body is embedded. This is detected from a one cell entity up to a human body. We have four levels of organic communications system in all living kinds: chemical, nerve pulses, electromagnetic fields and waves, hyperspace causes. The zippy EM-body can be measured by intensity lines of interference patterns. The EM-body is a clear object of empiric science and belongs to future biology and medicine. Strong correlations between physiological, neurological and mental behaviour are found and a convincing demonstration of the biological functions

regulating information procedures. The EM-body will vanish in the case of death.

c) **the embedding of phenomena in hyperspace**. Remember: all created entities are embedded in and a projection of hyperspace. The most striking wonder indeed is the hidden hyperspace as the major creation substance. There are really touch faces:

c1) Between two condensator plates one can measure with a calculated probability rate reactions with the zippy quantum vacuum surface, induced by jumping up PLANCK-particles.

c2) The stableness of an atom (nucleus with clouds of shell-styled electrons) is guaranteed by accompanying clouds of zippy PLANCK-particles. Without the steadily energy source of hyperspace-quantum vacuum an atom and its constituents, the nucleons and electrons, would vanish from the stage of space-time, the touch realm of our physics. Further hints to strengthen our imagination: most parts of created energy are hidden in hyperspace in the form of mysterious fields, particles and correlated information feed backs. Some guess the rate 1: nearly ∞ [energy-matter realm of normal physics: hyperspace energy-matter – not to be grasped by science!].

c3) The hunt to understand the elementary particles and their quantum field surrounding is a big science endeavour of about 150 nations with the LHC (Large Hadron Collider) in Geneva since decades. One seeks by billions of crash-data to find last causes in a HIGGS-field for the features of those elementary phenomena. The Nobel-prize winner LEON LEDERMAN warns: don't rape God's Particle Field! Indeed: the electron (and its counterpart positron) discloses as the deepest mystery physicists ever faced: one can measure either a moving point around an atom kernel, or freely, or in channels moving zitter-points. In re an electron obsesses a hyperspace realm, touching our visible space side on a quantum point, where with information packets loaded photons react in our foreground space-time. Electrons (positrons) uncover their deep mystery to be unbelievable efficient information instances. That will be so fundamental for grasping information processes in all stages of living beings, that biology and medicine dawn on quite new information and hyperspace biology. In vision are now electron ensembles as hyperspace homed individualities, which may endure the bodily begin and end of any organism⁷.

⁶ Charlie Zhang: Electromagnetic Body versus Chemical Body. Network No.8, April 2003, 7.

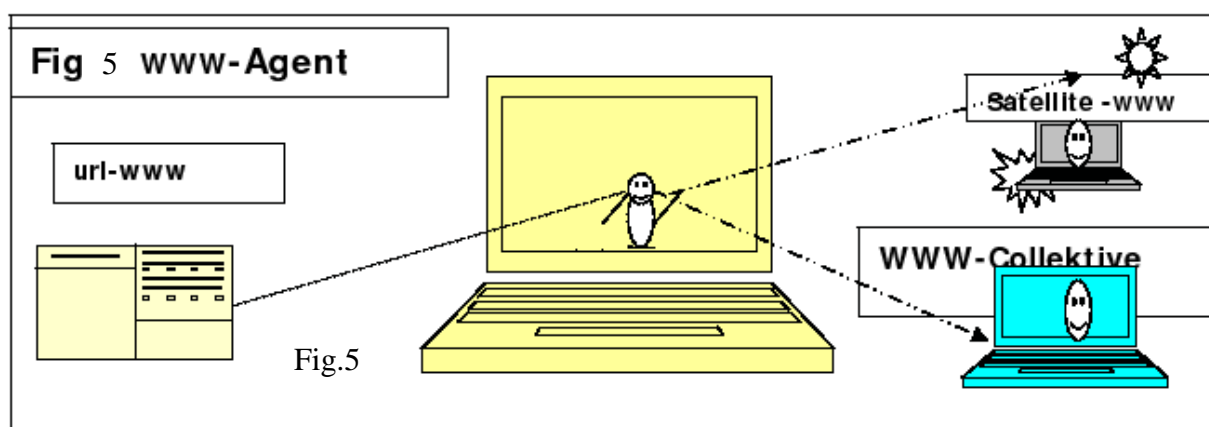
⁷ S. the German Basic Text: http://www.horst-w-beck.de/pdfs/Mensch_in_Wuerde.pdf 2011.
http://www.horst-w-beck.de/pdfs/brain_storming_NEW_BIOLOGY.pdf.2010.

c4) Astro-scientific cosmology must face the incomprehensible amount of s. c. *dark* radiation and *dark* matter (DR, DM), - symbolically the deepness of the ocean -. It seems the deathblow of hot big bang scenarios! The known American astronomer W.TIFFT stated: "*cosmology will never be the same again!*"

On this new and challenging background one is urged to further suggestions: the created hyperspace background (s.Fig.3,), the s. c. fabric of space, is an information matrix indicating unbelievable storage and calculating capacities. The stretched light field, pictured in Psalm 104 as the clothes of the Creator himself, is likewise the source of the needed Information to represent the kingdom of all things alive⁸.

Coming back to our bioethical issue to face the mystery and wonder of a start cell, a zygote, an embryo, we must have an additionally look on the multi-media revolution since two generations: three or four decades before now, no expert had a concrete imagination of the development of a global internet. Now more than one billions of computers are linked to one global and partly extraterrestrial network and the top challenge seems the offspring of self acting agent societies, outdoing man's capacities in a lot of fields.

In the above touched fields nobody can overdo the things. In contrary, we may not have enough imagination power to face the challenges! The www is a kind of feeble picture of features of hyperspace. The French philosopher JEAN GUITTON named the urged reflexions on the hyperspace reality the new *meta-realism*. In such sense of meta-realism we suggest the information matrix of hyperspace in analogy of www (world wide web) to reveal as a cww (cosmic wide web). Broadening the analogies on www we find in www the expertise software of the agents, the avatars (internet-angels) scattered in the whole global net. Case by case the agent dives on the net and activates the actual software package. The agent has no local body besides of his timely screen appearance, may be by simulated gestures of known actors! In similar analogy the gifted agent for a human start cell to rule the now beginning embryogenesis dives case by case on the cww, bundling the actual needed expert software for the special steps of synthesizing fine tuned molecule ensembles. As the human agent is homed in the hyperspace with all his eventual expert capacities, he cannot be matched on the gene or molecular level. Such a meta-realism is no less real than the visible feature of reality. Modern interpretations of quantum theory are strongly sustaining with its principles of non locality and holistic quantum entanglements this meta-realism.



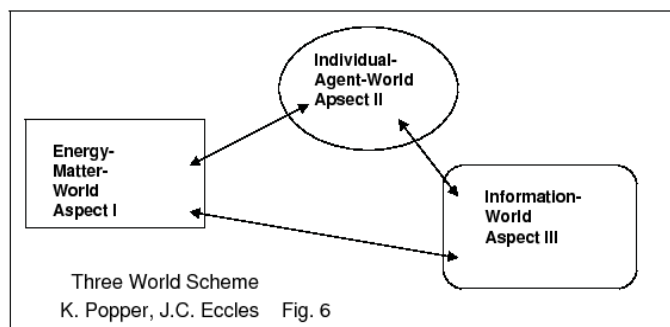
The sketched meta-realism shows the trinity of life:

⁸ http://www.horst-w-beck.de/pdfs/Betrachtungen_zur_Sechstageschoepfung.pdf.2011.

[I] molecule styled anatomic and physiological body [AP-body; Popper-Eccles--realm I];

[II] electro-magnetic body, bearing the surface part of information household, mediated on electro-magnetic waves [EM-body; partly Popper-Eccles aspect III].

[III] The realm of hyperspace agent with unlimited cww-body [CWW-Body, Popper-Eccles agent aspect II, information aspect III].



All these hints lead in quit harmony with scientific knowledge to the now summarizing statement:

From the act of conception onward we are faced with a sacrosanct human threefold entity, a kind of shadow trinity in analogous difference to the Holy Trinity:

AP-body + EM-body + HS (hyperspace)-roots (hyperspace body [HyCo] as electronic ensemble in hyperspace-spheres⁹).

In traditional terms said: body, soul, ghost (spirit, will). This trinity can not evolve, it is godly gifted from the very start on. In short: the phenomenological appearance, the biological shape may change, but never that trinity. Begin and end of human life on the earth' stage still remain a meta-realistic true mystery, not to be enlightened by science, solving puzzles! But this meta-realism stands in full accord with modern science! Mind out false alternatives!

V. The Incarnation of Christ shows as the true indicator for reality and meta-reality

The incarnation of Christ as the everlasting God's Son is the genuine demonstration of the above sketched facts and life features! The Holy wholly start-cell, a creation of the Holy Ghost (Spirit) in the womb of Maria, represents Christ totally in his threefold human essence, also in the one-cell-phase. The crucified Christ, bodily factual dead, faced simultaneously the late mankind in the hades, the kingdom of the dead. So the individual start of each human life, and analogously the expiring of bodily life, is no break of personal identity. Begin and end of human bodily life remain a holy mystery, not to grasp by the way of natural and medical sciences¹⁰.

⁹ More on <hyperspace-spheres in: http://www.horst-w-beck.de/pdfs/Basic_Thoughts_on_Gods_Revealed_Acting.pdf. 2009. [To be published in 2011/12 by GUSTAV SIEWERTH-AKADEMIE: Conference Report >Evolution and Science 2009<].

¹⁰ [Further evaluation s. note 1]

Answers in detail on II, 1] – 8] (see above, p.2):

1] separate from stem-body and handle sperma (semen) and female eggs in vitro
 :: *In the meta-realm of agent's sphere our visible stage space and time order vanish (Confirmation of quantum theory; non-locality & quantum entanglement). So the influence-sphere of stem-body may be untouched.*

2] Artificial fertilization and starting of embryo-genesis in vitro
 :: *The principle of conservation of threefold individuality holds - s. 1]*

3] Freezing, conservation and defrosting of biological substrates, also animal (human) embryos
 :: *Twin embryos may start with time shifting on our space-time stage - s.1] & 2]*

4] Cloning [twins as natural clones]
 :: *The threefold individuality does not depend on gene similarity, but on meta-realistic agent's identity*

5] Stem cells are to separate, and viable, and to handle in vitro and other nurturing substrata
 :: *Actually body cells, separated from the stem-body, may function on a reduced life stage of the kind of single-cell-organisms. Their meta-realistic agent capacity may also be reduced on the vegetative level (anima vegetativa). The difference between zygote and embryo and their threefold individuality should be in vision! The bioethical problem is the handling of the source embryo! So s. c. adult stem cells, won from any special body part, are a quite another theme!*

6] Checking, changing, partly synthesizing, and repairing of gene sets
 :: *GENES are a kind of complicated chips with hierarchically formed switch functions without touching the meta-realistic hyperspace sphere of the ruling agent. GENE manipulating may be judged from medical and other utility perspectives. As the agent sphere is not touched, the fear of the possibility of constructing new kinds by gene manipulating, yet seldom beasts, super men and so on, is without ground and rational reason. The proper meta-realistic agent's characteristics found the kinds and human personality! The creator sets a barrier against hyperspace or meta-technique: His own kingdom of activity!*

7] Interchange the gene-kernel of a female egg (haploid, diploid, strange kernel by free choice, cloning oneself with her own genes).
 :: *All seems in principle possible. Keep in mind the objections on 1] to 6]!*

8] The wide spectrum of transplantation of genes, cells, organs. What does the identity of an organic individual, a human person, constitute?
 :: *The answers are given by 1] to 7].*