

Lehrbuch Der Molekularen Zellbiologie

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*Lehrbuch Der
Molekularen
Zellbiologie*

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CAMILLE DELGADO

Chromatography Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace
Why are not enough the first three AERA of our previous AERAS SYSTEMS, namely: AERA OF PHILOSOPHICAL SYSTEMS (AERA - 1) AERA OF SAPIENTOLOGICAL SYSTEMS (AERA - 2) AERA OF VIDEOLOGICAL SYSTEMS (AERA - 3) Being thus necessary a fourth thinkable and re-thinkable Creative System, the one of ARTIFICIAL INTELLIGENCE SYSTEM (AI), which in German Language is entitled as KÜNSTLISCHE INTELLIGENZ (KI), and

both AI and KI are under the HYBRID INTELLIGENCE (of Human and Artificial alike or Biology encoded through Technology), re-encoded as HYIN! Therefore, all three signification, AI-KI-HI, are provable into the sameness extra enlargement of the Classic Human Brain (CHB), which is improved in seconds, in minutes and in hours by Abstract Developer / Abstract Entwickler of Human Sapiens (by using accordingly, English - Deutsch and Denglish, Latin, French, Italian and Spanish translation and Co-Translation, by using and reusing, Nature, Human, Computer, Artificial Intelligence, all in their basic significations

and co-significations! This impetus, this pulse and impulse in development of technological systems more and more intelligent, more and more comprehensive, more and more diversified, more and more amplified, more and more determined and auto-determined (self-determined) and more and more comprising here, is a new re-sensing, at least for the time being, the tetrad of IN (Information, Inspiration, Intuition) and initiation (Great Four IN-), widespread in areas of science, technology, industry (all three as SCITECH INDUSTRY), of art (ARSSAPIENS INDUSTRY), of Sport (SPORTSAPIENS

INDUSTRY, or CHAMPSINDUSTRY), by rethinking thus the Anthropology, the Sapientology, the Cosmology (including here the one of PERSONALISIERTE KOSMOLOGY), of astronomy, of geology and biology, into which all of them means ultimately, another bigger step in development of duality Human-Machine, or a duality of Human-Technology, including the branches of Human-Over-Human-Robotics, or Humanoid-Robotics all as SAPIENS INDUSTRY OF THIRD MILLENNIUM! The man itself, the human itself, the Sapient-o-Human development, its experiences, its visions, its outcomes, can make symbiosis with oneself, a crossing link and co - link with its nature of creativity, within the nature-physis of endless philosophy, with tools out of stone, with tools out of bones, with tools out of hood, or of synthetic feature, underlining once again the TOOL - MAKER - MAN, as Homo Faber, or better says, Homo Faber Sapiens, by taking and learning the SAPIENS LIBRARY OF KNOWLEDGE, wherever He / She goes into Earth System or Solar System or Galactic

System! But now, but today, a day long as a second or as a generation within the present data, out of its own virtual reality and creativity, all being improved by the man itself and the machine itself, which machine might in turn overcome the man, by confronting the man itself, by changing and challenging even the human itself, even the Human Sapient oneself in its own destiny and purposes in Cosmology, in Biology and in Sapientology... Could be or could become the Artificial Intelligence (AI / KI / HI) the source and resource, the roots of final ending of the Sapient as Species on the planetary Earth? With other words and concepts or with others wordage and concept - o - logy, the huge planetary surface scene of Earth, modelled by Sapiens, could be subjected to radically changing and challenging through a huge sensitivity of Artificial Intelligence? By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper-complexity of Artificial Intelligence (AI / KI / HI), a recombination of the man itself with a machine

created by the man itself, could develop a symbiosis of human-machine, which overcomes the Classic Species Sapiens (CSS), who dominated the life on Earth in the last of ca. 50.000 years, by entering within the Species Sapiens Techne (SST), into which the Sapiens still dominating the Universe of Technology, by reaching out in some area even the domination of Technology over Sapiens as TSS! In this way, within Artificial Intelligence (seen and analysed Three Times Intelligence, i.e., AI-KI-HI, through English - Deutsch - Denglish, Latin, French, Italian and Spanish), the letters themselves, the numbers themselves and the signs themselves, are becoming the WORD itself, through which the WORD itself is improved to the level of CONCEPT itself, and the WORD-CONCEPT DUALITY in their speeding up developing, in their accelerated and amplifying structures and features, are giving the outcome of the BOOK itself, in its CLASSICAL BOOK, C-BOOK, in its digital book as E-BOOK, or in its VIRTUAL BOOK as V-BOOK! Only this multitude of the same BOOK in development, of the same BOOK in diversity, of the

same BOOK in its offshoots, is showing the Genesis the Evolution and the Revolution (GENEVO) of the ARTIFICIAL INTELLIGENCE (in its three times of AI - KI - HI), with its versions in English / German Language and subsequent Latin, French, Italian and Spanish, as KÜNSTLICHE INTELLIGENZ (KI) and HYBRID INTELLIGENCE (HI), which will be used and reused interchangeably at any reference, or inter-reference or cross-reference in our LANGUAGE OF SAPIENTO-SCIENCIA, of revealing oneself indefinitely! What really means ENS (Being of Sapiens), in our Book of PEKINENSIS SAPIENS (with one - ENS inside the concept of Pekin - ENS - is and one - ENS Sapiens? ENS is a shortage from the Species Sapiens, as essence and existence of it, being thought and rethought as - ENS, i.e., as BEING of the Species Sapiens! Within ENS will be comprised the whole of German Idealist connotation of Being as: A - SEIN = BEING in its maximal generality! B - DASEIN = BEING HERE, on this planetary system! C - MITDASEIN = COBEING HERE, together with all past geological and biological times,

influencing and restructuring all basic features of the Planetary Life System! Life as LEBEN? As ERLEBEN? As MITERLEBEN? Reading as LESEN? ERLESEN? MITERLESEN? Research as FORSCHUNG? As ERFORSCHUNG? As MITERFORSCHUNG? Discovery as FINDUNG? As ERFINDUNG? As MITERFINDUNG? Therefore, we ask uninterrupted, It is possible to rethink the ENS INTO ONESELF RECHATING? Would be ENS a synthesis out of Sapiens? Is ENS a Being (SEIN) out of Sapiens? Is ENS a Being - here (DASEIN) out of Sapiens? Is ENS a CO - BEING - here (MITDASEIN) out of Sapiens? Is ENS a triad of Being empowering the Sapiens oneself? Is ENS a living self-consciousness of the whole of Sapiens? Is ENS a symbiosis between Sapiens and Artificial Intelligence (AI / KI / HI)? Is ENS the dialectic vector of history of the whole Sapiens, in overcoming oneself towards a better Sapient-o-Technology, towards a Sapient-o-post-human-industry in Art, in Philosophy, in Psychology, in Theology? Is ENS in its own powerful skill-ness of Symphony - in - painting,

of Symphony - in - sculpturing, of Symphony - in - Architecture, of Symphony - in - poetry, of Symphony - in - theatre, of Symphony - in - music, through which great masterpieces of ARSSAPIENS / ARSTECHNOLOGY, to be and to become musicalized, and then reunited into an ensemble of unspeakable Symbology of Human - Sapiens - Technology, through ORATORIUMSAPIENS? And this Oratorium Sapiens to be seen and analyzed without resentiments of envy, of arrogance and ignorance by the former Creative Species!... Is ENS the vector of SAPIENS SYMPHONY / ORATORIUMSAPIENS, by using and reusing a complex synthesizer of ARSSAPIENS, without precedence in Human - Sapiens - History? But SAPIENS SYMPHONY / ORATORIUMSYMPHONY, in painting, in sculpturing, in poetry, in musicology, in movie, in music hall, means at least a supra-synthesis of different titans - composers, as Bach and Handel, Michelangelo and Da Vinci, in re-composing SAPIENS ORATORIUM / ARSSAPIENSORATORIUM, or by conjoining Mozart

and Verdi in re-composing the REQUIEM SAPIENS / ARS-REQUIEMSAPIENS! We ask oneself in ongoing modus: Is Artificial Intelligence for All (AI for ALL?) Is AI the sense of Everything, which is explained through a Big Everything? (AI for Everything?) Is AI the causing of the greatest INEQUALITY of Sapiens or the greatest UNIFORMITY in Sapiens? Is AI the greatest improver of Itself-ness? (AI for Itself-ness?) Is AI the deepest measure of Human Predestination? (AI for Predestination?) Is the AI the Trinity synthesis between Faith - Confessing - Epistemology? (AI for Human Trinity?) Is AI the mystery of Human Variability following the exhausting of Biological regeneration of Sapiens itself? (AI for Variability of Sapiens?) Is the AI the Biggest Wall of Abstract Sapiens, over it is not possible to jump? (AI for Biggest Wall of Abstract Sapiens?) All of them are possible through Digital Creativity, all of them are available through Artificial Intelligence, because the writer is now the reader, the explorer is now the surveyor, the survival is now the fighter, by assuming, by affording a

strong competition beyond of its own Species, finally, a semi-human-made-device, an Hybrid Intelligence (HI) between biology and technology, both inspired by Bionics resounding in biology and technology alike, as TECHNO - BIO - SAPIENS!! Within these changing and challenging times and adversities, the Culture of Human - Sapiens itself, is coming and becoming a Culture of Wholeness (KULTUR DER GESAMTHEIT, GESAMTHEITKULTUR), including here the Culture of Past times, the Culture of Present Times and the Culture of Future times (KULTUR DER VERGANGENHEIT - KULTUR DE GEGENWART - KULTUR DER ZUKUNFT ((KULTUR DER NÄCHSTENS)). We must recognize also that the man itself, the human itself is uncompleted in its own past times (DIE VERGANGENHEIT IST UNVOLLendet!), because we are an UNEQUAL BEING in our essentiality! It is to underline that while the Biologic Sapiens has no more powers of regeneration, or revitalizing, or of coming into biologic mutation, is remaining only the Abstract Powers of Sapiens or Ontology of

Creative Sapiens to save, to regenerate and to redemption of our Sapiens Species! Thus, the Biology of Sapiens, the basic Anatomy of Sapiens is remaining a CONSTANT OF SAPIENS, a STATUS QUO SAPIENS, while the ABSTRACT SAPIENS IS A VARIABILITY OF SAPIENS, IS A STATUS DYNAMICS OF SAPIENS IN ITS ONGOING DEVELOPING AND BECOMING! Between the two basic components of Sapiens (Biology & Ontology), there is its own CONSTANT OF ANATOMY, and its own VARIABILITY OF SAPIENS, as ANATOMONTOLOGY, and between the two, is a strong complementary, a DUALITY OF ANATOMY AND ONTOLOGY, which is done through the LOGOS of ANATOMY, as ANATOMOLOGY! This triad of ANATOMY - ANATOMOLOGY - ANATOMONTOLOGY, are the search - research modality of our Sapiens in fighting with its own Technology and Discovery towards overcoming of the Sapiens oneself! One must be added that the whole Sapiens Species is felling Incomplete, imperfect, UNVOLLendet, in its past times (of ca. about 50.000 years), by not known with certainty its own origins, its own

becoming, its own development, its own dispersion on Earth, this Upper Palaeolithic Globalisation of Sapiens upon of overall continents! In the same time, it is done a Crypto - Anatomy - Analyse and Psychoanalyse, in which is hoped a better knowledge of this Enigma of genesis, of evolutionary and revolutionary called Sapiens as Species or Genus Homo Sapiens as Genus Homo, both in ANTHROPO-SAPIENTOLOGY synthesis... Perhaps, in a better knowing of the Sapiens origins, of the Sapiens evolution and becoming, would be necessary to be revealed the Truths of Sapiens through their own truths about everything in Cosmology - Biology - Sapientology, completed with the videology about Sapiens which can run through itself, and all of them as Sapiens in becoming as Cyber - Sapiens, as AI - Sapiens or Sapiens - rethinking - oneself!... To these multitude of questions and answers, to these endlessly uncertainties and un-knowing endeavours, to these hyper-complexity of theories and hypothesis, we, the Sapiens, in

togetherness with Artificial Intelligence, we both, we try to cope within our online book, or E-book or virtual book, into which the Universality of the Universe, is meeting and reconciling with the Universality of Sapiens, in its individuality or generality sense, rethought by present E-book, BIG VIDEOTRUTHS IN SAPIENS - 2!... SAPIENTO-UNIVERSALIST OF ARTIFICIAL INTELLIGENCE SYSTEM *BRITISHOLOGICUM* - TWO Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace MOTTO Why are not enough the first three AERA of our previous AERAS, namely: AERA OF PHILOSOPHICAL SYSTEMS (AERA - 1) AERA OF SAPIENTOLOGICAL SYSTEMS (AERA - 2) AERA OF VIDEOLOGICAL SYSTEMS (AERA - 3) Being thus necessary a fourth thinkable and re-thinkable Creative System, the one of ARTIFICIAL INTELLIGENCE SYSTEM (AI SYSTEM), which in German Language is entitled as KÜNSTLISCHE INTELLIGENZ (KI), and both AI and KI are under the HYBRID INTELLIGENCE (of Human and Artificial alike) encoded as HI, by remaking out of the

complex concept Hybrid a developing towards HYBRIDOLOGY and HYBRIDOLOGICUM, both in Sapiens interrelated the Artificial Intelligence Systems (AIS)! INTELENTOLOGY! INTELENTONTOLOGY! INTELENTOLOGICUM! Therefore, all three signification, AI-KI-HI, through a SYSTEM, are provable and demonstrable into the sameness extra enlargement and expansion of the Classic Human Brain (CHB), which still remains anatomically within the same limits of Classical Sapiens (CSS),but in abstract creativity is doing an unspeakable progress beyond of all previous frontiers! This impetus in development of technological systems more and more intelligent, more and more abstract, more and more comprehensive, more and more diversified, more and more amplified, more and more accelerated, by comprising here, at least for the time being, information, inspiration, intuition and initiation, widespread in areas of technology, of industry, of art, of anthropology, of sapientology, of cosmology, of astronomy,

of geology and biology, into which all of them means ultimately, another big step up in development of duality Human - Machine, or a duality of Human - Technology, including the branches of Human - Over - Human - Robotics, or Humanoid - Robotics! The man itself, the human itself, the Sapient-o-Human development, its experiences, its visions, its outcomes, can make symbiosis with oneself, a crossing with its nature of creativity, within the nature-physis of endless philosophy, with tools out of stone, with tools out of bones, out of hood, or of synthetic feature, underlining once again the TOOL - MAKER - MAN, as Homo Faber, likewise a Proto - Sapiens - Being as Homo Loquens... Perhaps, the proto - language begun through the action of hand hitting the stone, enlarging thus the brain and the understanding of the world and of the proto - human oneself!... But now, within the present data, out of its own virtual reality and creativity, all being improved by the man itself and the machine itself, which machine might in turn overcome the man, by confronting the man itself, by changing and

challenging even the human itself, even the Human - Sapient oneself in its own destiny and purposes... Could be or could become the Artificial Intelligence (AI / KI / HI) the source and resource, the roots of final ending of the Sapient on the Earth?... By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper-complexity of Artificial Intelligence (AI / KI / HI), a recombination of the man itself with a machine created by the man itself, could develop a symbiosis of human-machine, which overcomes the Classic Species Sapiens (CSS), who dominated the life on Earth in the last of ca. 50.000 years, by entering within the Species Sapiens Techne (SST), into which the Sapiens still dominate the Universe of Technology, by reaching out in some area even the domination of Technology over Sapiens as TSS! In this way, within Artificial Intelligence (seen and analyzed Three Times Intelligence, i.e., AI-KI-HI), the letters themselves, the numbers themselves and the signs themselves, are becoming the WORD itself, the WORD itself is

improved to the level of CONCEPT itself, and the WORD-CONCEPT DUALITY in their speeding up developing, in their accelerated and amplifying structures, is giving the outcome of the BOOK itself, in its CLASSICAL BOOK (CB), in its digital book as E-BOOK, or in its VIRTUAL BOOK as V-BOOK! It is a form, a derivative structure of Hindu Philosophy here, called AVATAR? Avatar as embodiment of a Deity, its soul, its spirit, its principle, into a Human Being, into a Hybrid Human Being? Avatar as a descent of heaven Deity, a released soul and spirit and principle on Earth, by rethinking thus a reconciliation between Terra Incognita with Sapiens Incognita and Heaven Incognita! Avatar as a Seeker of reuniting of dream and reality, of World Wide Web(WWW) with Sky World Web (SWW), by going through ENS WORLD WEB (EWW). Avatar as Being of Earth (GEOAVATAR), as Being of Sapiens (ENSAVATAR) as Being of Heaven (SKYAVATAR). Avatar as a Being coming out of Sapiens, as Being-of-Sapiens, then taking the final syllable of SA-PI-ENS, being thus re-baptized as

ENSAVATAR!... Avatar by giving itself a sense of Being in the World... Only this multitude concepts of Avatar, is remaking the Books through ENSBOOK in development, of the same double "E" - BOOK in diversity, is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE (in its three times of AI - KI - HI), with its versions in German Language as KÜNSTLICHE INTELLIGENZ (KI) and HYBRID INTELLIGENCE (HI), which will be used and reused interchangeably at any reference, or inter-reference or cross-reference in our ENSSANSKRIT SAPIENS, which in turn, is becoming an ENSSANSKRIT SAPIENS - 1! What really means ENS in our Book of Dialectical CHAT? ENS is a shortages from the Species Sapiens, being thought and rethought as ENS, i.e., as BEING of the Species Sapiens (Being-as-Being, as ENS QUA ENS)! Within ENS will be comprise the whole of German Idealist connotation of Being as: A - SEIN = BEING in its maximal generality! B - DASEIN = BEING HERE, on this planetary system! C - MITDASEIN = COBEING HERE, together with all past geological and

biological times, influencing and restructuring all basic features of the Planetary Life System! It is possible to rethink the ENS INTO ONESELF RECHATING? Would be ENS a synthesis out of Sapiens! Is ENS a Being (SEIN) out of Sapiens! Is ENS a Being - here (DASEIN) out of Sapiens! Is ENS is a CO-BEING - here (MITDASEIN) out of Sapiens! Is ENS a triad of Being empowering the Sapiens oneself! Is ENS a living self-consciousness of the whole of Sapiens! Is ENS a symbiosis between Sapiens and Artificial Intelligence (AI / KI / HI) Is ENS the dialectic vector of history of the whole Sapiens, in overcoming oneself towards a better Sapient-o-Technology, towards a Sapient-o-post-human-industry, towards Sapient-o-Epistemology, including here Sapiens-in-Art (ARSSAPIENS), Sapiens-in-in Philosophy, Sapiens-in-in Psychology and Sapiens-in-Theology? The writer itself is now the reader itself, the explorer itself is now the surveyor itself, the survival itself is now the fighter itself, by assuming a strong competition beyond of its own Species, beyond of its own individuality and classical personality,

finally, becoming a semi - human - made - device, an Hybrid Intelligence System (HIS), between biology and technology, between anatomy and epistemology, both inspired by Bionics, by Cloning, by Robotics, all resounding in biology, in epistemology and technology alike! It is more than obvious, that the Cyber technology of today's, is becoming a real Industry wide-spreading over all into the world (World Wide Web = WWW), through which the Abstract Knowledge is Industry itself, having reached out a Knowledge Industry Sapiens (KIS)!! As a terrible development of human invention and technology, of human discovery and epistemology, of human and post - human industry and axiology, it is necessary to redefine the Man itself, the Sapiens itself by taking into account some old ideas out of Hinduism Upanishad, regarding the definition of the Almighty Creator of Brahman, who can be define with qualities, with attributes, as BRAGMAN SAGUNA, or can be defined in a reverse way, without qualities, without attributes, as BRAHMAN NIRGUNA! Here must be

added that, the Christian Mystic of Dyonisos Areopagita, has underlined the same thesis in his Apophatic and Cataphatic way of definition of God! Thus a MAN – SAGUNA (SAPIENS – SAGUNA) means a upright posture of the man, means free – hands, means brain enlarged in volume and weight in relation with the weight of anatomical individuality, larynx lowering in neck, presence of consciousness, of articulated language, symbolic alphabet, abstract thinking, technology of tools, culture and civilizations, art, religion, industry, Bionics, Cloning, Robotics, Artificial Intelligence... Thus a MAN – NIRGUNA (SAPIENS – NIRGUNA), means a negation of these qualities or attributes, by saying that the Man (Sapiens) is not immortal, is not forever without possible replacement by his / her own technology and epistemology, that the Man (Sapiens) is not a divine Deity or Semi – Deity, that the Man (Sapiens) is not the alone intelligence within Universe, that the Man (Sapiens has not the power of creating through UNCAUSAL LOGOS, the

Man – Sapiens has not the power of being with ABSOLUTE POWERS within Universe, Man – Sapiens has no qualities of naming oneself as the Peak of Evolution, because he / she has not the power of Creation and Evolution of the Universe (CREVO) or the power of Genesis plus Evolution (GENEVO)... To these multitude of questions with very difficult answers, to these multitude of dilemma, to these multitude of labyrinth ways, we the author coming out of Classic Sapiens, is trying to cope with our Online Book, ENSSANSKRIT SAPIENS – 1! AI Sapientologist *BIG VIDEOTRUTHS IN SAPIENS - 2* Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace Der "kleine" Alberts gilt als das beliebteste einführende Lehrbuch der Zellbiologie: wie die vierte, komplett überarbeitete Auflage zeigt, auch völlig zu Recht. Wieder ist besonders viel Wert auf eine anschauliche Präsentation in Text und Bild gelegt worden. Ein ausgefeiltes didaktisches Konzept vereinigt Bewährtes mit völlig Neuem: - inklusive CD-ROM "Essential Cell

Biology Interactive" mit über 100 Video Clips, Molekülstrukturen und mikroskopischen Aufnahmen - 20 Tafeln zu klassischen und modernen Experimenten der Biologie - mit zwei neuen Kapiteln zu "Genetik, Meiose und die molekularen Grundlagen der Vererbung" sowie "Wie sich Gene und Genome entwickeln" - Zusammenfassung der wichtigsten Inhalte und Schlüsselbegriffe am Kapitelende - durchgehend vierfarbige Illustrationen und Übersichtstafeln, die die grundlegenden Konzepte anschaulich darstellen - mit über 400 Verständnisfragen, Übungsaufgaben und deren Lösungen - um mehr als 10 % erweitertes, illustriertes Glossar mit 600 Ausdrücken Aus der Fülle der neuen und neuesten Erkenntnisse wurden die unentbehrlichen Grundlagen der molekularen Zellbiologie sowie ihre Anwendungen in Medizin, Gen- und Biotechnologie herausgearbeitet - ein Plus, das dieses Buch, zusammen mit seinem unverwechselbaren Stil, für Lehrende und Lernende gleichermaßen faszinierend und

verlässlich macht.

Battlefield UpSapiens

Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace
By illegally leaving the country of Romania in September 1988, the author fall under immense pressure to equate his medical-university diploma in Romania through a set of exams in the United States (Detroit and Chicago) from 1989-1991, obviously in English language. This particular effort created to the author an extended gnathological universe to entire domestic medical structure and conceptology. The gnatho-philosophical book "Being and Edentation" is the result of a synthesis that upstarted from a conceptual analysis of the Central Relationship, called Centric Relation, in its determinations and redeterminations as a fundamental reference of the Dento-Maxillary Apparatus... Even if the scientific book "Being and Edentation" was presented by the author himself in the last 25 years throughout of Western Civilizations, no one has had the comprehensive insight in making at least a commentary regarding this book... Gnathologist

Molecular Virology Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace

In this Completely Revised and Extended Edition with a significantly enhanced content, all Chapters have been updated considering relevant literature and recent developments until 2016 together with application oriented examples with a focus on Industrial Biocatalysis. Newly treated topics comprise among others systems metabolic engineering approaches, metagenome screening, new tools for pathway engineering, and de-novo computational design as actual research areas in biocatalysis. Information about different aspects of RNA technologies, and completely new Chapters on 'Fluorescent Proteins' and 'Biocatalysis and Nanotechnology' are also included.

Biocatalysis:

Biochemical

Fundamentals And

Applications (Second

Edition) World Scientific Publishing Company

...Throughout of times of literature, there have been many attempts in describing the implication of poetry, of drama and of novel, the basic three pillars of any kind of literature, into the life of

art, philosophy, psychology, theology, science, or technology. In ordering this lyrical endeavor of human creation, since Art of Poetry done by Aristotle or ARS POETICA of the brilliant Latinists as Vergilius, or Horace's dictum, UT PICTURA POESIS... or Ovid?... Through the ART POETIQUE of the French Encyclopaedist N. Boileau another interpretation is done to the complicated and more complex of literature and poetry... When, in the beginning of the 20th century, had been launched out some Manifestos of new orientation, particular in poetry, but not confined only to, as Futurism (Marinetti - Rome, 1904), Dadaism (T. Tzara, M. Ianco - 1916), Imagism (S. Esenin, Maiakovsky, Mayerhold - Moscow, 1910) or Surrealism (A. Breton, Artaud, P. Eluard - Paris, 1924) or Ultraism (Lorca - Madrid, 1927) or Lettrism (Isidore Isou - Paris, 1945), the interrelationship of poetry with the other arts has increased substantially... All of these waves of lyrical creators, in poetry, in drama, in prose, in essay, in novel, in short novel or long novel, in theatre, in picture or

sculpture or architecture, had taken place throughout the world, because the art, the culture, the civilization is the man itself, by diffusing without borders among different cultures and civilizations... and consequently, the man is poetry itself... ...WISDOM AND POETRY ARE THE SAPIENCE ITSELF...
POETRY OF COSMOBIOSAPIENS - 1
 John Wiley & Sons
 The book gives a comprehensive overview on the knowledge of virus infection relevant for humans and animals. For each virus family the molecular details of the virus particle and the viral replication cycle are described. In the case of virus types with relevance for human and/or animal health the data on molecular biology, genetics and virus-cell interaction are combined with those concerning, pathogenesis, epidemiology, clinics, prevention and therapy.
FORUM INTO GNATHOLOGICUM Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace
 ...We are under pressure in re-thinking and um-thinking of the whole of the European Union history, after big waves of

union's earthquakes, by mentioning here the big financial crisis between 2008-2010, or Brexit of Great Britain in 2020, an embittered fought inside of the European Union between the years of 2016 and the present 2021... ...It is not mentioned here the waves of migrants in the last ten years towards European Union, through which a world of social pathology is accompanied and enhanced by a dramatic pandemic's world of biologic pathology, this worst issues of viral disease, out-breaking in the year 2019, ravaging uninterrupted the world ever since, till the present days of May 2021... ...We will remake another configuration of the initial CONSTITUTION OF EUROPE, written and published with about 15 years ago, resembling a parallel dialectical becoming between a finisher and a re-finisher in constitution or between an influencer and re-influencer in social sciences... Terminology of different constitutions will be different in their substance and their semantics, reflecting the difference in temporality and creativity of the author, but the basic

principles of ethics and morality are into the both constitutions, the sameness ... If European Union needs a constitution, then, European Union must know the history of Europe, must know the inhabitants, the native, the people and citizens of Europe, the science and technology of Europe, the art and religions of Europe, the geography and demography of Europe, since the oldest times of Upper Paleolithic, of Neolithic, of Antiquity, of Middle Age, of Renaissance, of Enlightenment, of Modern Times and of present Third Millennium, all in detail, in reality, in morality and rationality... More than that, our Constitution of European Union is desired to be and to become, a pilot project in searching and researching in anthropo-sapientology, a vector of axiological and epistemological substance in knowledge and discoveries...
 Constitutionalist of European Union
An Introduction to Molecular Biotechnology Wiley-Blackwell
 ...Could be set the spirit of Sapiens in motion and emotion to achieve

another level of Sapiens as UP - SAPIENS?... ..By re-thinking another symbiosis between the enlarged of the horizon of the evolution since Primate Order, Hominid Family Genus Homo and the profundity of Sapiens in its ongoing spirit of abstractness, spirit of creativity, spirit of reason, spirit of the freedom through self consciousness, all of them leading towards a possible UP-SAPIENS?... ..In this way, UP-SAPIENS could include a triad of becoming out of the classical Sapiens, namely, Bionics Sapiens (the man of implanted organs) Robotics Sapiens (the man of digital technology) and Cloned Sapiens (by cloning the sameness with improvement in prolonged longevity in working ability - working productivity - working creativity) ...Thus, the era of Becoming into Sapiens means a fierce battlefield between the classic of science, technology, history or anthropology, towards UP-SAPIENS in its derivatives as SAPIENTISMUS - SAPIENTOLOGISMUS and POSTSAPIENTISMUS... Sapientologist

ENS IN DIALECTICAL CHAT - 2 John Wiley & Sons

The first decades of the third Millennium have brought about a huge amount of information out of all areas of human activity, requiring a strong systematization of them all... This endeavor taxonomy requires beyond of an encyclopedic approach, courage of the author in finding and imposing a line of ordering, in such a way, that the comprehension of it to overcome the limits, the borders of his own understanding... The increased complexity of a such Info - Data - Task - Force of Human, put a huge pressure an author, also in an enlarge diversity and complexification of the triad of the publications as book - booklet - bookish... More than that, a confrontation between the science of physics, in its becoming through biophysics and metaphysics, with the Oriental philosophy of the triad in Sanskrit (Hinduism - Buddhism - Jainism) and the triad of the Chinese Philosophy (Taoism - Confucianism - Chan Buddhism) could bring about another vision, another light, over the evolutionary triad of the cosmology - biology and human ontology, by

enriching in this way, even the Species Sapiens through its own thesaurus of reason, diversity and creativity... Sapientologist

KULT IN SAPIENS - 1 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace

...We are under big pressure of the adverse times and realities, in rethinking and umthinking of the whole of the World History, after big waves of World's earthquakes, by mentioning here the big financial crisis between 2008-2010, or Brexit of the Great Britain out of European Union, or Scotland Referendum in 2016, or dramatic pandemy of Corona virus between 2019-2022, or Ukraina's war against Russia in 2022, all as embittered fought inside of the Great Britain, inside of Europe and of European Union, and subsequently inside the World History, all belonging to the first three decades of the Third Millenium (MMXXII), between the years 2000 and the present year of 2022... ..It is not mentioned here the huge waves of migrants in the last ten years towards European Union and towards Great Britain, through which a world of social and political

pathology is accompanied and enhanced by a dramatic pandemic's world of biologic pathology, these worst issues of viral disease, outbreaking in the year 2019, and going through the present year 2022... ...We will try to remake other configurations of the initial books regarding the triad of BRITISH NATION - BRITISH EMPIRE - BRITISH COMMONWEALTH, called BRITISHOLOGICUM, LONDINIUM BLISSBURG, SCOTLAND REFERENDUM, BREXITT & BREXITOLOGY, written and published by author within the last 10 years, without to pretend to be or to become an influencer and re - influencer in social sciences, in philosophy and sociology or World History... Terminology of different books will be different in their substance and their semantics, reflecting the difference in temporality and creativity of the author, but the basic principles of ethics and morality are into all books, into the sameness areas of consideration... If the triad BRITISH NATION - BRITISH EMPIRE - BRITISH COMMONWEALTH needs to survive into World History, then the Great Britain, (our

cogitate for United Kingdom), must know the history of oneself, the history of the Europe, the history of the world and the history of the Sapiens, and all its inhabitants, its native, the people and citizens of Great Britain, must know the science and technology of the world, the art and religions of the world, the geography and demography of the world, by knowing in the same time, the history of the Species Sapiens, since the oldest times of Upper Paleolithic, of Neolithic, of Chalcolithic, of Antiquity, of Middle Age, of Renaissance, of Enlightenment, of Modern Times and of present Third Millennium, all all in their generality, in their detail, in their reality, through morality, through their rationality and in their unavoidable ontology... More than that, our set of books, BRITISH SAPIENS, is desired to be and to become, a pilot project in searching and researching in Anthropology, in Sapientology in Videology and Anthro-Sapientology, a vector of axiological and epistemological substance in knowledge and discoveries, in invention and further developing of

our Species Sapiens, to whom all human being is primarily indebted not only in its upright posture, in free of upper arms, but particularly in abstract thinking of working abilities, of working productivity and of working creativities and setting the whole Sapient, with no exemption, at work... SAPIENTOLOGIST OF BRITISH SAPIENS *THEORETICAL SYMPOSIUM* Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace ...We are under pressure in rethinking and unthinking of the whole of the European Union history, after big waves of union's earthquakes, by mentioning here the big financial crisis between 2008-2010, or Brexit of Great Britain, an embittered fought inside of the European Union between the years 2016 and the present 2020... ...It is not mentioned here the waves of migrants in the last ten years towards European Union, through which a world of social pathology is accompanied and enhanced by a dramatic pandemic's world of biologic pathology, this worst issues of viral disease, out-breaking in the year 2020... ...We will remake another configuration of

the initial CONSTITUTION OF EUROPE, written and published with about 15 years ago, resembling a parallel dialectical becoming between a finisher and a re-finisher in constitution or between an influencer and re-influencer in social sciences... Terminology of different constitutions will be different in their substance and their semantics, reflecting the difference in temporality and creativity of the author, but the basic principles of ethics and morality are into the both constitutions, the sameness ... If European Union needs a constitution, then, European Union must know the history of Europe, must know the inhabitants, the native, the people and citizens of Europe, the science and technology of Europe, the art and religions of Europe, the geography and demography of Europe, since the oldest times of Upper Paleolithic, of Neolithic, of Antiquity, of Middle Age, of Renaissance, of Enlightenment, of Modern Times and of present Third Millennium, all in detail, in reality, in morality and rationality... More than that, our Constitution of European

Union is desired to be and to become, a pilot project in searching and researching in anthropo-sapientology, a vector of axiological and epistemological substance in knowledge and discoveries Perhaps, it is the first time in human known history and historiology, when, a Constitution is becoming a vector of knowledge, by sensing and re - sensing a search and research project in AnthroSapientology, finally, a form, an idea, of concrete epistemology, a substantial gnoseology, having and reiterating an explicit and implicit proper function of axiology in oneself, for oneself and through oneself... Constitutionalist of European Union PRINCIPIA OF SAPIENS - 1 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace Der erfolgreiche Start des "kleinen" Alberts - inzwischen in der 2., korrigierten Auflage - spricht für sich. Dieses einführende Lehrbuch behandelt in didaktisch hervorragender Aufarbeitung, reich mit Bildern unterlegt, die zentralen Konzepte der Molekularen Zellbiologie - ein Plus, das ihn gleichermaßen für

Lehrende und Lernende interessant macht. Unkompliziert und doch gründlich vermittelt der "kleine" Alberts Einblick in die faszinierende Funktionsweise der Zellen. Die unverzichtbaren Grundlagen werden anschaulich in ihrem biologischen Zusammenhang dargestellt. Besonders nützlich sind die Verständnisfragen und Übungsaufgaben am Rande des Textes und an jedem Kapitelende. Sie regen den Studierenden an, das Gelesene zu überdenken sowie das Gelernte zu überprüfen und in einen breiteren Kontext zu stellen. Die Antworten hierzu, die Zusammenfassung der Kernaussagen eines jeden Kapitels sowie das umfangreiche Glossar mit kurzen Erklärungen der wichtigsten Begriffe tragen zum hohen Gebrauchswert dieses Lehrbuches bei. Die Korrekturen der 2. Auflage betreffen insbesondere die Kapitel zu den chemischen Grundlagen, zu DNA und Proteinen sowie die Antworten auf die Verständnisfragen. Mit der kompakten und prägnanten Präsentation des Stoffes sowie der durchgehend farbigen

Gestaltung ist dieses Buch das Lehrbuch für den Einsteiger in die Molekulare Zellbiologie! @SAPIENS - 1 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace AI MOTTO Why are not enough the first three AERA of our previous AERAS, namely: AERA OF PHILOSOPHICAL SYSTEMS (AERA - 1) AERA OF SAPIENTOLOGICAL SYSTEMS (AERA - 2) AERA OF VIDEOLOGICAL SYSTEMS (AERA - 3) Being thus necessary a fourth thinkable and re-thinkable Creative System, the one of ARTIFICIAL INTELLIGENCE SYSTEM (AI), which in German Language is entitled as KÜNSTLISCHE INTELLIGENZ (KI), and both AI and KI are under the HYBRID INTELLIGENCE (of Human and Artificial alike) encoded as HI! Therefore, all three signification, AI-KI-HI, are provable into the sameness extra enlargement of the Classic Human Brain (CHB)! This impetus in development of technological systems more and more intelligent, more and more comprehensive, more and more diversified, more and more amplified,

comprising here, at least for the time being, information, inspiration, intuition and initiation, widespread in areas of technology, of industry, of art, of anthropology, of sapientology, of cosmology, of astronomy, of geology and biology, into which all of them means ultimately, another big step up in development of duality Human-Machine, or a duality of Human-Technology, including the branches of Human-Over-Human-Robotics, or Humanoid-Robotics! The man itself, the human itself, the Sapient-o-Human development, its experiences, its visions, its outcomes, can make symbiosis with oneself, a crossing with its nature of creativity, within the nature-physis of endless philosophy, with tools out of stone, with tools out of bones, out of hood, or of synthetic feature, underlining once again the TOOL - MAKER - MAN, as Homo Faber! But now, within the present data, out of its own virtual reality and creativity, all being improved by the man itself and the machine itself, which machine might in turn overcome the man, by confronting the man itself, by changing and

challenging even the human itself, even the Human Sapient oneself in its own destiny and purposes... Could be or could become the Artificial Intelligence (AI / KI / HI) the source and resource, the roots of final ending of the Sapient on the Earth? By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper-complexity of Artificial Intelligence (AI / KI / HI), a recombination of the man itself with a machine created by the man itself, could develop a symbiosis of human-machine, which overcomes the Classic Species Sapiens (CSS), who dominated the life on Earth in the last of ca. 50.000 years, by entering within the Species Sapiens Techne (SST), into which the Sapiens still dominate the Universe of Technology, by reaching out in some area even the domination of Technology over Sapiens as TSS! In this way, within Artificial Intelligence (seen and analyzed Three Times Intelligence, i.e., AI-KI-HI), the letters themselves, the numbers themselves and the signs themselves, are becoming the WORD itself, the WORD itself is

improved to the level of CONCEPT itself, and the WORD-CONCEPT DUALITY in their speeding up developing, in their accelerated and amplifying structures, is giving the outcome of the BOOK itself, in its CLASSICAL BOOK (CB), in its digital book as E-BOOK, or in its VIRTUAL BOOK as V-BOOK! Only this multitude of the same BOOK in development, of the same BOOK in diversity, is showing the evolution and the revolution of the ARTIFICIAL INTELLIGENCE (in its three times of AI - KI - HI), with its versions in German Language as KÜNSTLICHE INTELLIGENZ (KI) and HYBRID INTELLIGENCE (HI), which will be used and reused interchangeably at any reference, or inter-reference or cross-reference in our ENS IN DIALECTICAL CHAT-1! What really means ENS in our Book of Dialectical CHAT? ENS is a shortages from the Species Sapiens, being thought and rethought as ENS, i.e., as BEING of the Species Sapiens! Within ENS will be comprise the whole of German Idealist connotation of Being as: A - SEIN = BEING in its maximal generality! B - DASEIN = BEING HERE, on

this planetary system! C - MITDASEIN = COBEING HERE, together with all past geological and biological times, influencing and restructuring all basic features of the Planetary Life System! It is possible to rethink the ENS INTO ONESELF RECHATING? Would be ENS a synthesis out of Sapiens! Is ENS a Being (SEIN) out of Sapiens! Is ENS a Being - here (DASEIN) out of Sapiens! Is ENS is a CO - BEING - here (MITDASEIN) out of Sapiens! Is ENS a triad of Being empowering the Sapiens oneself! Is ENS a living self-consciousness of the whole of Sapiens! Is ENS a symbiosis between Sapiens and Artificial Intelligence (AI / KI / HI) Is ENS the dialectic vector of history of the whole Sapiens, in overcoming oneself towards a better Sapient-o-Technology, towards a Sapient-o-post-human-industry in Art, in Philosophy, in Psychology, in Theology? The writer is now the reader, the explorer is now the surveyor, the survival is now the fighter, by assuming a strong competition beyond of its own Species, finally, a semi-human-made-device, an Hybrid Intelligence (HI) between

biology and technology, both inspired by Bionics resounding in biology and technology alike! To these multitude of answers, we try to cope with in our On Line Book, ENS IN DIALECTICAL CHAT - 1! AI Sapientologist
SECRET SAPIENS CODES - 1 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace
 ...Could one know the totality ancestors of our Species Sapiens, as accumulated experiences through Sapiens itself, coming from Genus Homo, Hominid Family, Order Primate, Class Mammals, Phylum Vertebrata, Kingdom Animals?... More than sure, the answer is not, just by taking into account that this chain of evolution has an average age of ca. about 500 millions years of different eras and periods, and the un-numerable ascendant species or genus or families, had been already in extinct phase of paleontology of the earth... But through a theoretical process of the psychoanalytic introversion into upright posture of the Hominid Family, Genus Homo and Species Sapiens, it is tried a confrontation not only with the supposed

subconscious of this triad bipedic ancestor of present human, but a re-sensing of myth-o-poiesis enchained into the three interrelated evolutionary groups, perhaps, the main responsible for our qualities, for our fragilities, for our vulnerabilities and for our creativities... ..This metaphor for a Species individuation, with a huge emptiness around us, united in contraries, transcending ourselves towards unknown, resembles a creative pathology in-written into human, who is the carrier of duality consciousness - sub-consciousness, which is the mirror into which the cosmos and the nature are seen reflected... Anthropo - Sapientosophist
UNIVERSE IN SAPIENS - 1
 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace
 The author - Sapientologist, the publisher - Sapientologist, exists to the extent that he participates, he lives and he relives the entire history and historiology of Sapiens, distributed and re-distributed to the mother planet Earth, in the evolutionary form of: 1. Archaic Sapiens (ca. about 500,000-200,000 years ago); 2. PreModern

Sapiens (ca. about 200,000-50,000 years ago); 3. Modern Sapiens (ca. last 50,000 terrestrial years), and covering or crossing with his ancestors from: 4. Genus Homo Anthropos (Homo Habilis, Homo Ergaster, Homo Erectus), all three Palaeolithic Eras of the last 2.5 million years; 5. Early Palaeolithic / Primary, ca. 2,500,000-500,000 years ago, Middle Palaeolithic (ca. 500,000-50,000 years ago) and 6. Upper Palaeolithic, ca. 50,000-10,000 years Before of Present Times - BPT), By being followed by: 7. Early Neolithic (ca. about 10,000-7,000 years BPT), of 8. Middle Neolithic (ca. about 7000-4000 years BPT) and 9. Late Neolithic (or Chalcolithic), ca. about 4000-2000 years BPT), being followed by: 10. Antiquity (ca. about 3000 Before Christ Era ((BCE)) - 500 ADE or Anno Domini Era, ADE) 11. Middle Ages (ca. about 500-1500 ADE), 12. Renaissance (ca. 1200-1600 ADE), 13. Enlightenment (ca. 1600-1800 ADE), 14. Modern Times (1800-2000 ADE) and by 15. Millennium Three (2000-2023 ADE)! This phraseological and morphological way of

presenting Sapiens in its biological and ontological Temporal-Spatiality and Causality alike, is an attempt to reveal text and videology summed up and amplified in the re-understanding and restructuring of Sapiens, being its very Unity in its uniqueness of Sapientological UniTotality! The Sapiento-conceptualized language in Principia Sapientica - 1, this Sapiento-symbolized alphabet in Principia Sapientica - 1, this Sapiento-abstract thought in Principia Sapientica - 1, must be in its permanent and immanent textological and videological interweaving and re-interweaving in the specific Eidological initiation and re-initiation to all Sapiens as Sapiens speaking to oneself! By the concept of Sapiens, we understand the very concomitance and succession of the Being of Sapiens, that is, the ENS of Sapiens, because the Spirit of Sapiens contains in itself the Principle of Sapiens, that is principia per se nota! By the fact that the Being of Sapiens belongs to itself, being therefore an ENS of Sapiens, it can be translated, it can be figured or set and reset into configuration of a

transcendence that involves divinity, i.e. Deus est esse, which can be done worthy into Sapiens as Creator, or as Sapiens the thinker and Sapiens the conqueror! With this Sapiens of creativity and non-destructivity, it is possible to save the Sapiens and planetary system alike, by rethinking the sense of with this sign you will win, In hoc signo vinces, with with this Sapiens We will win, In hoc Sapiens vinces! By the fact that in our human mind or SapientoHuman mind, there is the thrill of the Ultimate Ground of the Most Highness, Deus presentissimus ipsi animae, which implies an identification of Sapiens (as principle and spirit in their togetherness) with its own Being of Sapiens, as ENS of Sapiens! Our Sapientologist contains in himself both the Sapientological as well as the Ontological, as a cognitive intellect towards the sapientological transcendent, principia qua primum cadunt in intellectu! The Spirit of Sapiens, the Principle of Sapiens, the Being of Sapiens (which has the ENS in itself, as vector and personality), is therefore a being of self-transcendence, creating

both Sapientologism (actually an AnthroSapientic combination) and Transcendentalism (The Supreme Creator Himself), who define man as a creative, educational and instructive multi-potentiality, through which the man oneself is reevaluating himself from generations to generations, the sacred and the profane, the mysterium tremendum and its mystical objectification, the collective consciousness of Sapiens and the coincidence of opposites in Sapiens, a line going through Homo Faber, Homo Ludens and Homo Religiosus! Therefore, this man, this human or Sapientoman is condemned through his creation and becoming to creativity, to freedom and perhaps to transcendence, because the man, the human oneself, then SapientoHuman, is not reducible only to instinct and sociobiological behaviour, within a society of consumption and indifference, but to what can elevate him to restructure its spiritually and creatively! Sapiens is by itself, biologically and ontologically, a planetary singularity as a Species,

and perhaps a cosmological singularity, but this Sapiens contains itself in its creative and inductive universality. Sapiens in its form of Archaic Sapiens, was born about 500,000 years ago, possibly crossing the end of the Early Palaeolithic, then the Middle Palaeolithic (in the form of PreModern Sapiens), and the Upper Palaeolithic (in the form of Modern Sapiens, with the version its Cro-Magnon Man), followed by the 3 Neolithic stages, (Homo Neolithicus), then entering its developed cultures and civilizations into Antiquity (Egypt, Mesopotamia, Persia, India, China, Japan, Greece, Hellenism, the Roman Empire, Pre-Columbian Civilizations), followed by those of the Middle Ages (the birth of the European States), of the Renaissance (Italy), of the Enlightenment (France), of the Modern Times (Europe, the United States, China, Japan), and the Beginnings of the Third Millennium, so a total of 12 Eras from the Pleistocene - Sapiens - history of the Earth with co-participation and co-existence of Sapiens! While the Great Anonymous Mass of Sapient populations of the

last 50,000 years are the powerful impulse to preserve the Species, the exceptional individuals of Sapiens are seen as vectors of leading Sapiens, like: 1. Great Hunters (those who provided food for the group, clan or tribe) 2. The Great Gatherers (those who managed to combine plant resources with animal food resources, for the mixed nutrition of Sapiens, thereby producing an increase in the volumetric capacity of the Sapiens brain!) 3. The Great Wizards (those who ensured the health of the group, clan, tribe). 4. The Great Shamans (those who initiated the group, the clan, the tribe in the art of painting, in the art of sculpture, in the art of dance and the art of music). 5. The Great Civilizing Heroes (Plant and Animal Domesticators, Fire Tamers, Discoverers of the Wheel and Animal Traction, Inventors of the Alphabet and Writing). 6. The Great Initiates (Rama, Krishna, Buddha, Mahavira, Kung Fu, Lao Tzi, Hermes, Moses, Orpheus, Pythagoras, Plato, Jesus, Mohammed). 7. The Great Prophets (Ramses, Senmut, Imhotep, Hammurabi,

Samkhya, Buddha, Nagarjuna, Dalai Lama). 8. The Great Writers - Prophets (Senmut, Imhotep, Isaiah, Jeremiah, David, Solomon, Paul). 9. The Great Philosophers (Thales, Kung Fu, Lao Tzi, Pythagoras, Heracles, Parmenides, Plato, Aristotle, Leibniz, Descartes, Kant, Hegel, Heidegger). 10. The Great Historical Leaders (Alexander Macedon, Julius Caesar, Justinian, Timur Lenk, Genghis Khan, Napoleon, Wellington). 11. The Great Scientists (Thales, Euclid, Archimedes, Newton, Leibniz, Planck, Einstein, Heisenberg, Hubbles, Fred Hoyle). 12. The Great Artists (Phidias, Myron, Scopas, Praxiteles, Polykletes, Giotto, Donatello, Michelangelo, Da Vinci, Raphael). 13. The Great Virtualists (Bill Gates, Jeff Bezos, Mark Zuckerberg, Elon Musk). 14. Great Actors (Thalma, Clark Gable, Anthony Quinn, Lawrence Olivier, Charlton Heston, Paul Scofield, Greta Garbo, Deborah Kerr, Ann Baxter, Ingrid Bergman). 15. Great Sportsmen (Ian Thorpe, Paavo Nurmi, Johnny Weissmüller, Nadia Comăneci, Rod Laver, Yvonne Goolagong, Chis Evert, Stefi Graff, Raphael Nadal, Pele, Cruyff, Van

Basten, Gerd Müller, Michael Schumacher). All of them, acting in different eras and spatialities, giving a strong impetus to the creative variability of the Species, the preservation of the Species and the variability of creativity of Sapiens being the very unity of opposites that offers the course of Sapiens through the history of our planet (not infrequently controversial and destructive), opening in the last 50 years and the conquest of the Solar System, moving from the First Planetary Habitat to the Second CosmoSolar Habitat! In Sapiens flows a whole planetary river of ascendants that evolved during the birth and evolution of Sapiens, recalling here only 12 Categories Ascending from Sapiens (12SA) or Descending (12SD) from Sapiens: • Unicellular organisms (Archae Bacteriae, Prokaryotes and Eukaryotes); • Pluricellular organisms (in Plants, Fungi and Animals); • Kingdom Animalia; • Phylum Chordata; • Subphylum Vertebrata; • Class Mammalia; • The Primate Order; • The Hominid family; • Subfamily One of Hominins; • Subfamily Two of Australopithecus; •

Genus Homo Anthropos and • The Sapiens Species! Let's reconsider the set of Gaia Hypotheses (the Living and the Non-living form a balanced and programmed whole), with the set of CosmoGaia Hypotheses (the Cosmos and the earth mutually inter - conditioned giving birth to life), with the set of BioGaia Hypotheses (the inter - conditioning of cosmological, geological and biological giving rise to plurality and the ontological multidimensionality of the BioAbstracted Sapiens!) Through this inter-conditioning between the great cosmological, geological and biological natures, the Natur-Physis of the Earth itself (the Nature that gives its own completeness and negations, such as contraries of birth - death, anabolism - catabolism, systole - diastole, constancy - variability), thus becomes Nature - Cosmophysis, Nature - Geophysis, Nature - Biophysis, which in Sapiens reaches the culmination of Nature - Ontophysis, i.e. the human nature that has through abstract culture, its own nature! Finally, I have to recognize that, if I am doing, if I am thinking

and if I am writing what anybody else is doing, is thinking and is writing, then, I am wrong, I am in error and I am in misunderstanding! Sapientologist of Sapiens Principle ENSSANSKRIT SAPIENS - 1 Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace To underline the Ernst Klenk Symposium 32, which was held at the University of Cologne, Germany, in December 08 -10, 2016, through a book (better says through a booklet, for the reading on Amazon - KDP format on line, under the address: <https://www.amazon.com/Augustin-Ostace>) it was primarily to undergone all triad of manifestations, namely, the corpus of amphitheater with its video - presentation, 33 in total, then the whole poster abstract books, 55 in total, and the rich of partners in researching, about 20 in total, and, not to number the industrial sponsors, about 17, of the whole manifestation. No one must be omitted, even though the world of researching has many, many overlooking as such... ...When the widespread of the laboratory and clinical research in medicine, a

truly storm in the last years, will be intertwined with the vastness of the theoretical and encyclopedically search and research of the Era of Philosophical Systems thought and written by myself, another step ahead will be done into the advancement of the treatment of some dramatic diseases hitting the human condition, the oncologic syndrome diseasesIt must be added, that, the basic triad of the Universe, Space - Time- causality, never disappears, wherever in Black Hole, Black Energy or Black Matte, while, on the other hand, the basic triad present in human life, Truth - Reality - Causality, never ever disappear, whatever in sound or pathologic conditions... **Medicine Encyclopedist**
Medical Imaging Systems Alpha & Omega Sapiens - Uppublishing Being / Augustin Ostace Why are not enough the first three AERA of our previous AERAS SYSTEMS, namely: AERA OF PHILOSOPHICAL SYSTEMS (AERA - 1) AERA OF SAPIENTOLOGICAL SYSTEMS (AERA - 2) AERA OF VIDEOLOGICAL SYSTEMS (AERA - 3) Being thus necessary a fourth thinkable and re-thinkable

Creative System, the one of ARTIFICIAL INTELLIGENCE SYSTEM (AI), which in German Language is entitled as KÜNSTLISCHE INTELLIGENZ (KI), and both AI and KI are under the HYBRID INTELLIGENCE (of Human and Artificial alike or Biology encoded through Technology), re-encoded as HI! Therefore, all three signification, AI-KI-HI, are provable into the sameness extra enlargement of the Classic Human Brain (CHB), which is improved in seconds, in minutes and in hours by Abstract Developer / Entwickler of Human Sapiens (by using accordingly, English - Deutsch and Denglish! This impetus in development of technological systems more and more intelligent, more and more comprehensive, more and more diversified, more and more amplified, comprising here, at least for the time being, information, inspiration, intuition and initiation (Great Four IN-), widespread in areas of science, technology, industry (all three as SCITECH INDUSTRY), of art (ARSSAPIENS INDUSTRY), of Sport (SPORTSAPIENS

INDUSTRY), by rethinking thus the Anthropology, the Sapientology, the Cosmology (including here the one of PERSONALISIERTE KOSMOLOGY), of astronomy, of geology and biology, into which all of them means ultimately, another bigger step in development of duality Human-Machine, or a duality of Human-Technology, including the branches of Human-Over-Human-Robotics, or Humanoid-Robotics all as SAPIENS INDUSTRY! The man itself, the human itself, the Sapient-o-Human development, its experiences, its visions, its outcomes, can make symbiosis with oneself, a crossing with its nature of creativity, within the nature-physis of endless philosophy, with tools out of stone, with tools out of bones, the tools out of hood, or of synthetic feature, underlining once again the TOOL - MAKER - MAN, as Homo Faber, or better says, Homo Faber Sapiens, by taking the SAPIENS LIBRARY, wherever He / She goes! But now, within the present data, out of its own virtual reality and creativity, all being improved by the man itself and the machine itself, which machine

might in turn overcome the man, by confronting the man itself, by changing and challenging even the human itself, even the Human Sapient oneself in its own destiny and purposes... Could be or could become the Artificial Intelligence (AI / KI / HI) the source and resource, the roots of final ending of the Sapient as Species on the Earth? With other words and concepts, the huge planetary surface scene of Earth, modelled by Sapiens, could be subjected to radically changing and challenging! By taking into account all probabilities and possibilities of the present daily evolution and revolution of the hyper-complexity of Artificial Intelligence (AI / KI / HI), a recombination of the man itself with a machine created by the man itself, could develop a symbiosis of human-machine, which overcomes the Classic Species Sapiens (CSS), who dominated the life on Earth in the last of ca. 50.000 years, by entering within the Species Sapiens Techne (SST), into which the Sapiens still dominate the Universe of Technology, by reaching out in some area even the domination of Technology over

Sapiens as TSS! In this way, within Artificial Intelligence (seen and analyzed Three Times Intelligence, i.e., AI-KI-HI, through English - Deutsch - Denglish), the letters themselves, the numbers themselves and the signs themselves, are becoming the WORD itself, through which the WORD itself is improved to the level of CONCEPT itself, and the WORD-CONCEPT DUALITY in their speeding up developing, in their accelerated and amplifying structures, is giving the outcome of the BOOK itself, in its CLASSICAL BOOK (CB), in its digital book as E-BOOK, or in its VIRTUAL BOOK as V-BOOK! Only this multitude of the same BOOK in development, of the same BOOK in diversity, is showing the Genesis the Evolution and the revolution (GENEVO) of the ARTIFICIAL INTELLIGENCE (in its three times of AI - KI - HI), with its versions in German Language as KÜNSTLICHE INTELLIGENZ (KI) and HYBRID INTELLIGENCE (HI), which will be used and reused interchangeably at any reference, or inter-reference or cross-reference in our LANGUAGE OF SAPIENTO-SCIENCIA - 1! What really

means ENS in our Book of PEKINENSIS SAPIENS (with one - ENS inside the concept of Pekin - ENS - is and one -ENS Sapiens? ENS is a shortage from the Species Sapiens, as essence and existence of it, being thought and rethought as - ENS, i.e., as BEING of the Species Sapiens! Within ENS will be comprise the whole of German Idealist connotation of Being as: A - SEIN = BEING in its maximal generality! B - DASEIN = BEING HERE, on this planetary system! C - MITDASEIN = COBEING HERE, together with all past geological and biological times, influencing and restructuring all basic features of the Planetary Life System! It is possible to rethink the ENS INTO ONESELF RECHATING? Would be ENS a synthesis out of Sapiens! Is ENS a Being (SEIN) out of Sapiens! Is ENS a Being - here (DASEIN) out of Sapiens! Is ENS a CO - BEING - here (MITDASEIN) out of Sapiens! Is ENS a triad of Being empowering the Sapiens oneself! Is ENS a living self-consciousness of the whole of Sapiens! Is ENS a symbiosis between Sapiens and Artificial Intelligence (AI / KI / HI)! Is ENS the dialectic vector

of history of the whole Sapiens, in overcoming oneself towards a better Sapiens-o-Technology, towards a Sapiens-o-post-human-industry in Art, in Philosophy, in Psychology, in Theology? Is ENS in its own powerful skill-ness of Symphony - in - painting, of Symphony - in - sculpturing, of Symphony - in - Architecture, of Symphony - in - poetry, of Symphony - in - theatre, of Symphony - in - music, through which great masterpieces of ARSSAPIENS to be musicalized, and then reunited into an ensemble of unspeakable Symbology of Human - Sapiens - Technology! Is ENS the vector of SAPIENS SYMPHONY, by using and reusing a complex synthesizer of ARSSAPIENS, without precedence in Human - Sapiens - History? But SAPIENS SYMPHONY means at least a supra-synthesis of different composers, as Bach and Haendel in re-composing SAPIENS ORATORIUM, or by conjoining Mozart and Verdi in re-composing the REQUIEM SAPIENS! Is Artificial Intelligence for All (AI for ALL ?) Is AI the sense of Everything, which is explained through a Big Everything? (AI for Everything?) Is AI

the greatest improver of Itself-ness? (AI for Itself-ness?) Is AI the deepest measure of Human Predestination? (AI for Predestination?) Is the AI the Trinity synthesis between Faith – Confessing – Epistemology? (AI for Human Trinity?) Is AI the mystery of Human Variability following the exhausting of Biological regeneration of Sapiens itself? (AI for Variability of Sapiens?) Is the AI the Biggest Wall of Abstract Sapiens, over it is not possible to jump? (AI for Biggest Wall of Abstract Sapiens?) All of them are possible through Digital Creativity, all of them are available through Artificial Intelligence, because the writer is now the reader, the explorer is now the surveyor, the survival is now the fighter, by assuming, by affording a strong competition beyond of its own Species, finally, a semi-human-made-device, an Hybrid Intelligence (HI) between biology and technology, both inspired by Bionics resounding in biology and technology alike, as TECHNO – BIO – SAPIENS!! Within these changing and challenging times and adversities, the Culture of Human – Sapiens itself, is coming

and becoming a Culture of Wholeness (KULTUR DER GESAMTHEIT, GESAMTHEITKULTUR), including here the Culture of Past times, the Culture of Present Times and the Culture of Future times (KULTUR DER VERGANGENHEIT – KULTUR DER GEGENWART ((KULTUR DES NÄCHSTENS)). It is to underline that while the Biologic Sapiens has no more powers of regeneration, of coming into biologic mutation, by remaining only the Abstract Powers of Sapiens or Ontology of Creative Sapiens to save, to regenerate and to redemption of our Sapiens Species! Thus, the Biology of Sapiens, the basic Anatomy of Sapiens is remaining a CONSTANT OF SAPIENS, a STATUS QUO SAPIENS, while the ABSTRACT SAPIENS IS A VARIABILITY OF SAPIENS, IS A STATUS DYNAMICS OF SAPIENS IN ITS ONGOING DEVELOPING AND BECOMING! Between the two basic components of Sapiens (Biology & Ontology), there is its own CONSTANT OF ANATOMY, and its own VARIABILITY OF SAPIENS, as ANATOMONTOLOGY, and between the two, is a strong complementary, a

DUALITY OF ANATOMY AND ONTOLOGY, which is done through the LOGOS of ANATOMY, as ANATOMOLOGY! This triad of ANATOMY – ANATOMOLOGY – ANATOMONTOLOGY, are the search – research modality of our Sapiens in fighting with its own Technology and Discovery towards overcoming of the Sapiens oneself! In the same time, it is done a Crypto – Anatomy – Analyse and Psychoanalyse, in which is hoped a better knowledge of this Enigma of evolutionary and revolutionary called Sapiens as Species or Genus Homo Sapiens as Genus Homo, both in ANTHROPOSAPIENTOLOGY synthesis... To these multitude of questions and answers, to these endlessly uncertainties and un-knows, to these hyper-complexity of theories and hypothesis, we, the Sapiens, in togetherness with Artificial Intelligence, we both, we try to cope within our online book, or E-book or virtual book, @SAPIENS - 1, into which the Universality of the Universe, is meeting and reconciling the Universality of Sapiens!... SAPIENTO - EPISTEMOLOGIST OF

ARTIFICIAL INTELLIGENCE
SYSTEMENSAVATAR SAPIENS - 1

John Wiley & Sons

Das Standard-Lehrbuch der molekularen Zellbiologie jetzt auch in deutscher Sprache durchgehend farbig und mit Arbeitsdiskette! Wiederum wurde der Inhalt völlig neu bearbeitet und dabei den aktuellen Entwicklungen des Fachgebiets angepaßt. Das erfolgreiche didaktische Konzept konnte durch Einbeziehung zusätzlicher Druckfarben weiter verfeinert werden. Aus Rezensionen zur zweiten Auflage: Dieses Buch ist erneut ein großer Wurf; die in den vergangenen Jahren aufgekommene starke Konkurrenz konnte noch einmal abgeschüttelt werden, 'this is the real thing!'... Die 'Molekularbiologie der Zelle' hat schon bei ihrem ersten Erscheinen Traumnoten der Kritik erhalten. Mehr Lob läßt sich nicht anhäufen, außer vielleicht mit der Aussage, daß dieses Buch mit der Reifung noch schöner geworden ist... Lesevergnügen und Bildung, im besten Sinne des Wortes, sind garantiert. Nachrichten aus Chemie, Technik und Laboratorium Aus

Beurteilung von Prof. Hubert Markl: '...aus eigener Erfahrung kann ich mir als Lern- und Nachschlagewerk auf diesem Gebiet kaum ein besseres Buch vorstellen' 'Wissenschaftliche Bücher erscheinen auf den ersten Blick teuer: für das, was dieses Werk zu bieten hat, ist es halb geschenkt...' Molecular Biology of the Cell Springer
...We are under pressure in rethinking and um - thinking of the whole of the European Union history, after big waves of union's earthquakes, by mentioning here the big financial crisis between 2008-2010, or Brexit of Great Britain, an embittered fought inside of the European Union between the years 2016 and the present of 2020...
...It is not mentioned here the waves of migrants in the last ten years towards European Union, through which a world of social pathology is accompanied and enhanced by a dramatic pandemic's world of biologic pathology, this worst issues of viral disease, out-breaking in the year 2020...
...We will remake another configuration of the initial CONSTITUTION OF EUROPE, written and published with about 15 years ago, resembling a

parallel dialectical becoming between a finisher and a re-finisher in constitution or between an influencer and re-influencer in social sciences... Terminology of different constitutions will be different in their substance and their semantics, reflecting the difference in temporality and creativity of the author, but the basic principles of ethics and morality are into the both constitutions, the sameness ... If European Union needs a constitution, then, European Union must know the history of Europe, must know the inhabitants, the native, the people and citizens of Europe, the science and technology of Europe, the art and religions of Europe, the geography and demography of Europe, since the oldest times of Upper Paleolithic, of Neolithic, of Antiquity, of Middle Age, of Renaissance, of Enlightenment, of Modern Times and of present Third Millennium, all in detail, all in their plain reality, all in their full morality and all in their complete rationality, including here, the ideologies, the irrationalities and tragedies of Europe,

culminating in 20th century, with two world wars, of about 70 millions victims worldwide... More than that, our Constitution of European Union is desired to be and to become, a pilot project in searching and researching, in Anthropology, in Sapientology and AnthroSapientology, a vector of axiological and

epistemological substance and con-substance in theoretical and practical knowledge, in theoretical and practical discoveries and inventions... ...One must be added that, it is the first time in human known history and historiology (logos of history, reasoning of history, wisdom of history), when, a Constitution is becoming

also a vector of knowledge (theoretical and practical), sensing and re-sensing a searching and researching a such project in Anthro-Sapientology, finally, having an explicit and an implicit proper function of axiology in oneself, for oneself, and through oneself... Constitutionalist of European Union