

“Coronavirus without Spike Proteins, respectively Mechanism of Christoph’s Quantum Nano-scale Irradiation – Emission or Evaporation of Coronavirus Sars-Cov-2-19 by Plasmalyses Coronavirus without Infection Spike Proteins and without Filling Hydrophile Micells of Phospholipidic Membranes of Cellular Wall”

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Abstract:

Since the Discovery of structure (space-conformal) significant of α -helix and double helix of DNA, in April 1953, in the paper from 25th April 1953 by Francis Crick and James D. Watson, which were published supersignificant paper focused on this theme, win the Nobel Prize for Medicine and Physiology in 1962. In this 900 words of text in superjournal NATURE co-authored Maurice Wilkins, the real discoverist of structure of DNA was Rosalind Elsie FRANKLIN, so called DNA’s DARK LADY, who died only in 37 years on Cancer of ovaria.

The Really Heroes of Great Scientific Discoveries are namely these, which are in the background, like a Grey Eminents, often gave for the Science all, unfortunately the health, freedom, happiness and their fragile life.

The First Analytical method of sequenation and replication of DNA by method PCR (Polymerase Chain Reaction) invented by Nobel Prize Winner 1993 Kary Mullis with M. Smith.

The PCR analytical method contributed to invention of discovery of genetics scissors, molecular scalpel – the new method of gene editing with rather unwieldy name CRISPR-Cas 9 based gene editing research at nanoscale, can do based of DNA sequencing and switch genes off or an insertion.

The Nobel Prize in Chemistry in 2020 has finally been awarded to Emmanuelle Charpentier and Jennifer Doudna.

Thanks to these genetics-analytical discoveries the whole Mankind was salvationed from Biological Lethal Weapons SARS-Cov2-19 and many mutational virions escaped intentionally or randomized from Biohazard boxes in the biologicaly laboratories or from contaminated Nature (Antarctica, Siberia, Aral Sea, Wu-chan) and maybe caused by the Warming Global Climate.,

The same significant like MULLIS, DOUDNA and CHARPENTIER was scientific work of Prof. RNDr. Antonín Holý, Dr.Sc., Dr.hc., who discovered virostatics on Cancer of Human papillomavirus (HPV) Vaccine Gardasil 9 and Cervarix, AIDS resp. HIV, Hepatitide and also Coronavirus.

The newest message from the current world coronavirus situation is project of spike protein vaccine Novavax financially and scientifically supported by Melinda and Bill Gates Foundation.

Keywords: VIRION, DNA-RNA structure, PCR, SPIKE PROTEIN, T-lymphocytes, MHC, Quantum tunneling of DNA and RNA virions, Christoph's virion irradiation, α -helix, double helix, Novavax-spike protein vaccines, virostatics based on Foscarnet ($\text{CH}_3\text{O}_5\text{P}$).

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1. Introduction

This submitted paper is focused on new highlights researches of coronavirus SARS-Cov-2-19, and dangerous DNA, RNA viruses, Cancer, HPV (Human Papilloma virus), oncovirus, TNF (Tumor Factor Necrosis), retroviruses, adenoviruses, hepatitises by described mechanisms of M.Sc. Christoph's which are effective in an elimination resp. apoptosis, quantum evaporation and irradiation of viruses by MHC (MAJOR HISTOCOMPATIBILITY COMPLEX) T-lymphocytes fagocytosis and plasmolyses of vacuole and contractile vacuoles.

At the first is the most significant antivirotics (virostatics) based on Foscarnet molecule and many important organic molecules and metal clusters and MOF's ((METAL-ORGANIC FRAMEWORKS) for virus detection) and many nano-scale molecules importance against viruses / virions and importance of T-lymphocytes for fight to oncogenes, Cancer and HIV (resp. AIDS).

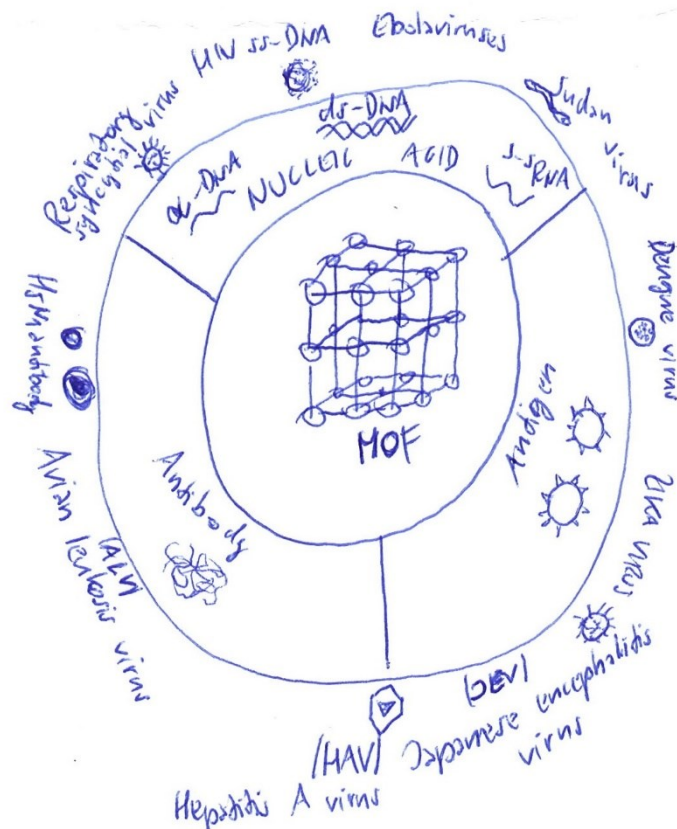


Fig. 1. MOF's according Science direct.com (METAL-ORGANIC FRAMEWORKS)

Author of the sketch: I. KRIŠTOF, M.Sc.

2. Highlights

Virions are nanosoftware of almost of Biological weapons and lethal medicinal agents, or biological entities with nucleoluse DNA (nanohardware) → resp. software of cell and RNA nasnoscale of hardware trigger protein → genetic nanoscale reaction → creation of SPIKE TRIGGER PROTEIN OF MHC RESPONSE.

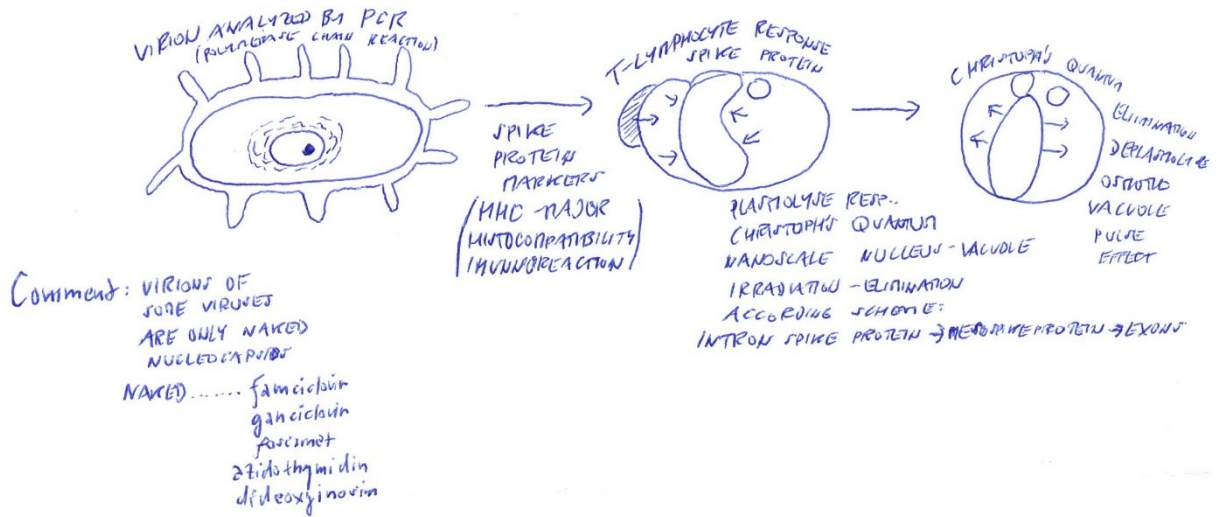


Fig. 2. Christoph's elimination resp. quantum irradiation of virions.

New studies suggest that DNA and RNA mutations could arise from an unknown resp. strange quantum mechanical effect known as quantum tunneling and quantum dots. A quantum tunneling could manage random DNA and RNA virions agents mutations, says new study.

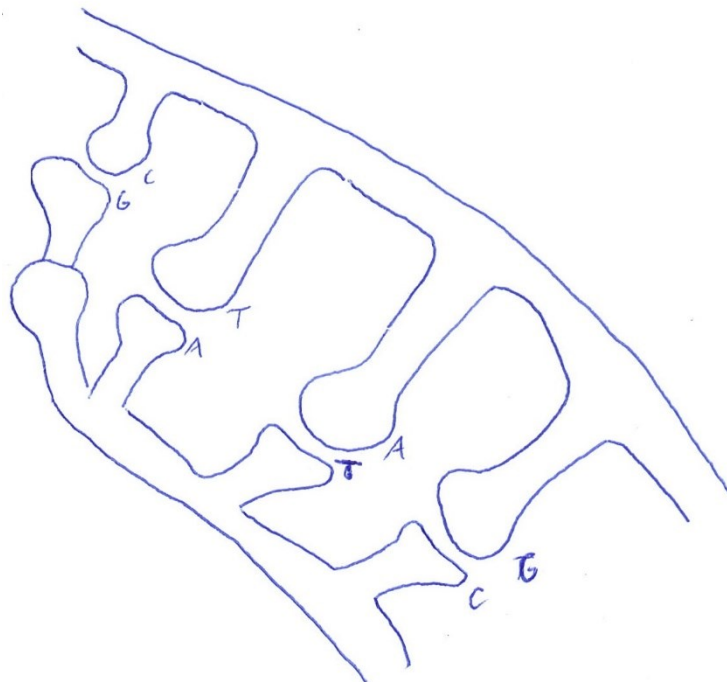


Fig. 3. Amplification of DNA at PCR.
According Author: I. KRIŠTOF, M.Sc.

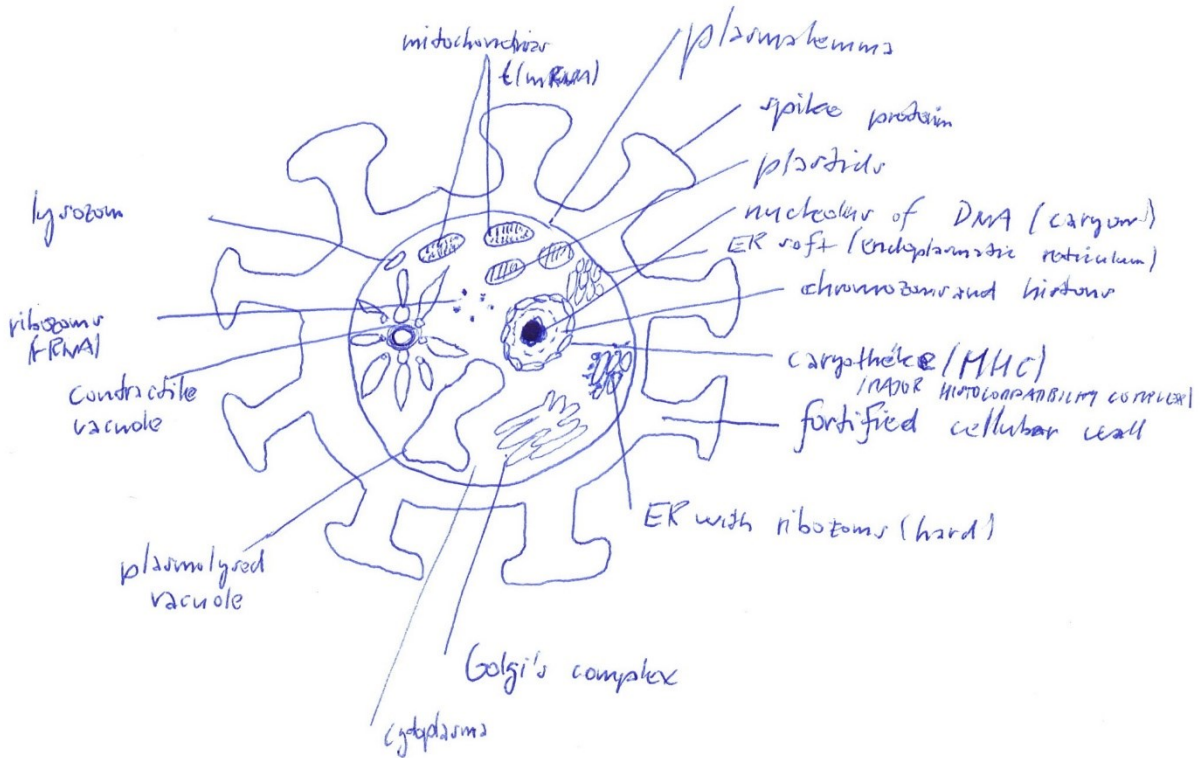


Fig. 4. Situation on plasmolysed and deplasmolysed eucaryotic cell with Corona spike proteoin cellular wall.

According Author: I. KRIŠTOF, M.Sc.

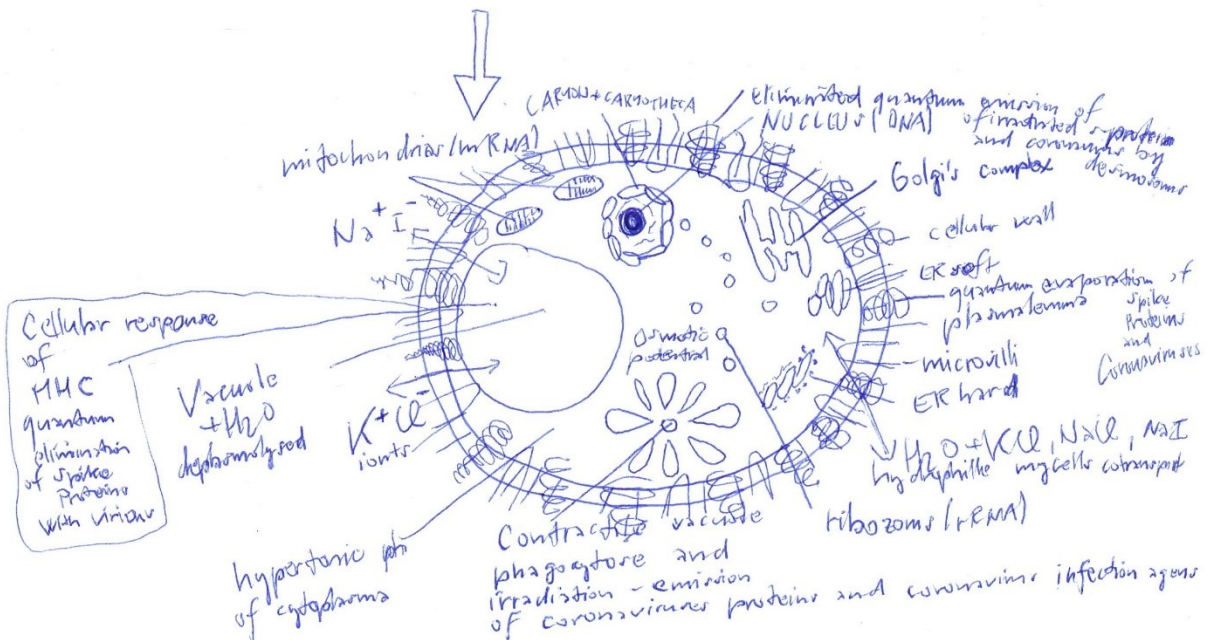


Fig. 5. Coronavirus without filling hydrophile micells of phospholipid membrane or cellular wall (Christoph's cell metabolism mechanism).

3. Methods (Applied Analytical Method)

PCR (Polymerase Chain Reaction)

Cheap and fast method to creation of unlimited infinity of number of copies of DNA from one original fiber.

Kary Banks MULLIS, Ph.D.

(*28.12.1944 Lenoir, Northern Carolina – 7.8.2019 Newport Beach, California, U.S.A.)

Nobel Prize Winner in 1993 with M. Smith for Chemistry, for his work in molecular Biology resp. Genetics.

Was an American chemist and enterpriser.

Alma Mater Georgian Technical Institute and California University at Berkeley.

In year 1983 like a scientist K. MULLIS from CETUS CORPORATION demonstrate PCR like a method of copying and synthesis of DNA.



Fig. 6. Gairdner Foundation
Karry B. Mullis
Sketch of Author: I. Krištof, M.Sc.
According Gairdner Foundation.

On creation of millions copies of sequences of DNA enough only a several few hours.

PCR is used in Basic Research in Molecular Biology.

PRINCIPLE OF PCR:

WHOLE PROCESS IS SITUATED IN THERMOCYCLER with addition thermostabil Bacteria Thermus aquaticus Taq polymerase and cycles of DENATURATION AND AMPLIFICATION.

a) Denaturation – FIBER OF DNA IS BASED ON: Denaturation and Amplification of DNA PROTEIN AT TEMPERATURE ABOVE +79 °C. Denaturation is possible considered like an irreversible – and create density cluster of DNA.

b) Amplification – is based on opening (deletion)
initiation – replication – insertion – deletion – termination

c) Protein Helicase – is enzyme(protein) which is moving along phospho-diesterase bounds NUCLEIC ACID AND REPLICATE/AMPLIFICATED.

d) α – helix into two isolated fibres.

IN PROCESSES OF CELL LIFE OF DNA – RNA ARE: ·REPLICATION ·TRANSCRIPTION ·RECOMBINATION OF DNA ·REPARATION OF DAMAGED DNA ·TERMINATION.

Termination is DNA – RNA hybrid fiber.

4. History of Research and Discoveries of the Structure of DNA

In the superknown paper from 25th April 1953, which was published in the superjournal NATURE, text included 900 words by two colleagues from Cambridge:



Fig. 7. Francis C. Crick, Wikipedia.
Sketch of the Author.

Sir Francis Harry Compton Crick

(*8.6.1916 Holmfield Way, G.B. – 28.7.2004 San Diego, California, U.S.A.)

was British molecular biologist and physicist, which together with James Dewey Watson and Maurice Wilkins win a Nobel Prize in 1962 for Physiology and Medicine for Structure of DNA by a method The Röntgen Crystallography.

Paradoxus is, that the first, who discovered structure of DNA was called DNA'S DARK LADY – physicist and biologist Rosalind Elsie Franklin, who died only in 37 years on Cancer of ovaria, the most contributed to discovery of structure of double helix, because she without safety coat stand up and working before X rays.



Fig. 8. James Watson, Photo gallery – Nobel Prize.org.
Sketch of the Author.

James Dewey Watson (*6.4.1928 Chicago, U.S.A.)

is an American biologist, geneticist, and zoologist, in 1953 co-authored with F. Crick academic paper and with explanation of structure α – helix of DNA, was awarded The Nobel Prize 1962 in Physiology and Medicine.



Fig. 9. Maurice Wilkins.
According Author: I. Krištof, M.Sc.

Maurice Hugh Frederick Wilkins

(*15. 12. 1916 Pongaroa, New Zealand – 5. 10. 2004 London, Great Britain)

British molecular biologist came from New Zealand, Researcher of phosphorescence, radars, separation of isotopes, Röntgen Diffraction, Scientist, who contributed to research of structure DNA, The Third Man of The Discovery of DNA, Nobel Prize Winner 1962.



Fig. 10. Rosalind Franklin.
according Author's Sketch
at www.britannica.com

Rosalind Elsie Franklin

(*25.7.1920, London, G.B. – 16.4.1958 Chelsea, London, G.B.)

Was an English biophysicist, chemist and biologist, known for works on Röntgen Crystallography for study of DNA, RNA, VIRIONS, COAL, CARBON AND GRAPHITE. British scientist best known for her contribution to the discovery of the molecular structure of deoxyribonucleic acid (DNA), a constituent of chromosomes that serve to encode genetic information by n alels and the genes.

5. Types of Coronavirus and Size of vaccines

Coronaviruses reach largest size about 120 nm (nanometers). Their genome included 30 000 bases, what is the most almost between known RNA viruses with non-segmentation genom.

5.1 The Main Sort of Vaccines and Nucleolus Acids

5.1.1 WEAKNESS OR INACTIVE VACCINE iRNA (information RNA)

(France – Austria) VALNEVA

5.1.2 VACCINE BASED ON mRNA (messenger RNA)

5.1.3 VACCINE BASED ON rRNA (ribosomal Ribonucleid Acids)

5.1.4 VACCINE BASED ON VIRION CARRIER tRNA (transfer RNA'S)

5.1.5 VACCINE BASED ON ENZYM-PROTEINS (BASED ON SPIKE PROTEIN AND THEIR MHC (MAJOR HISTOCOMPATIBILITY COMPLEX AND MOF'S (METAL-ORGANIC FRAMEWORKS) AND THEIR RESPONSE IMMUNOMARKERS (U.S.A. Bill and Melinda GATES FOUNDATION) NOVAVAX

Retroviral RNA ANALYSES with ← mit RNA's (mitochondrial RNA's) a new trigger of immune system.

Micro RNA's (mi RNA's) regulators of other genes.

5.2 DNA varieties

cp DNA (chloroplast DNA)

he DNA (hemoglobin DNA)

nr DNA (nuclear ribosomal DNA)

mit DNA (mitochondrial DNA)

dh DNA (double helix DNA)

ds (double stranded DNA)

α DNA (α – helix DNA)

ss DNA (single – stranded DNA)

6. Structure of DNA and RNA

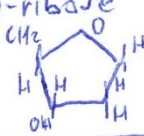
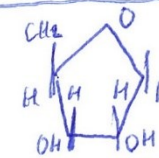
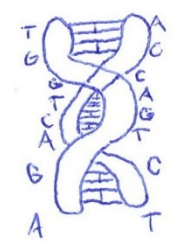

	DNA	RNA
Function	Repository of genes (Genetic information)	Involved in enzymes and protein synthesis and gene regulation carrier of genetic transcription information in some viruses
Acid	Deoxyribonucleic Acid	Ribonucleic Acid
Sugar	2-Deoxy-D-ribose 	Ribose 
Structure	Double helix Double stranded Sugar-Ribose Phosphate	Usually Single stranded Sugar Ribose Phosphate
NUCLEO-BASES According Principle of Complementarity	C, T, A, G Cytosine, Thymine Adenine, Guanine	C, U, A, G Cytosine, Uracil, Adenine, Guanine
Spatial Conformal Structure of Nucleic Acids	 <p>BASE PAIR</p>	 <p>SINGLE STRANDED NUCLEOBASES SINGLE STRANDED SUGAR PHOSPHATE</p>

Fig. 11. DNA AND RNA
Sketch According Author: Imrich Krištof, M.Sc.

7. Adenoviruses

Adenoviruses are group of nucleic acids (57 N.A.) serotypes of viruses, which can exist for example like a circulation virions, coated (enveloped) of the cells attacked by a virion, like self-infection units, crystals of virus.

Sources: drip infection, alimentary way, sexual contact infection, contamination for example by water or other liquid.

Example: fowl adenoviruses (FAV), (FAV 1-12)
(ORNITHOVIRUSES, AVIADENOVIRUSES)

Cause: wide range of symptoms like a bronchitis and pneumonia, diarrhea, pink eyes, bladder infections.

Type of N.A. dsDNA (double stranded DNA)
ssDNA (single stranded DNA)

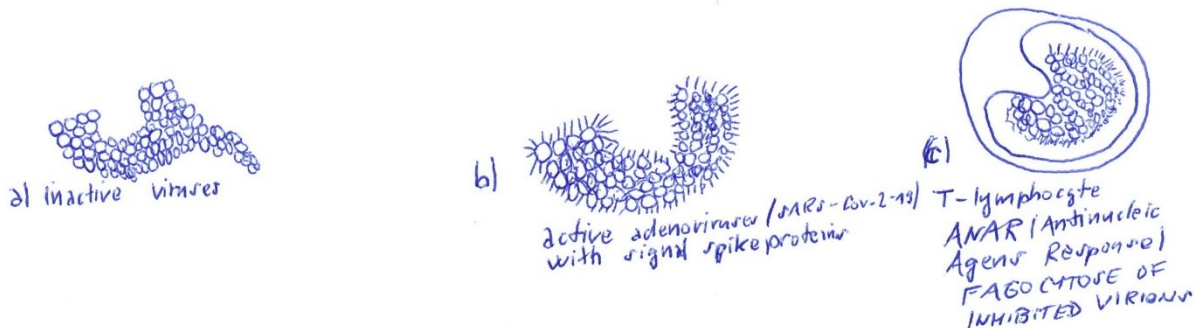


Fig. 12. Author's Scheme of inactivation coronaviruses, respectively principle of Christoph's elimination coronavirus effect.

8. Oncogene

Genes with ability of changing of nucleus and structure of aleles of infected cell, so called additive genes, oncogenic virions produced tumor with factor TNF α (Tumor Necrosis Factor of Cancer).

The Excellent Researcher of oncogenes and Guanine quadruplexes in the RNA genome and antiviral target in "virus biology" is Prof. RNDr. MICHAELA VORLÍČKOVÁ, Dr.Sc., from Biophysical Institute of CAS (Czech Academy of Sciences), CZ, Brno City, Královopolská Street 135, 612 65 Brno. Founder of this Research Institute was Akademik Prof. RNDr. MUDr. Ferdinand Herčík, Dr.Sc. (*7. 5. 1905 – 20. 1. 1966, Brno), also a founder of "Radiobiology" and "Quantum Biology".

Extraordinary Significant Scientist was Prof. RNDr. Antonín Holý, Dr.Sc., Dr.hc. (*1. 9. 1936 Praha, CZ – 16. 7. 2012 Praha, CZ), one of the best scientist of 20th/21st Century. He is discover of many Antivirotics applied during treatment of HIV/AIDS, hepatitis type B, herpes → Antiherpetikum virions.

The "Scientific Children" of Prof. A. Holý, Dr.Sc., Dr.hc. are: Atripla, Complera, Eviplera, Hepsera, Truvada, Cidofovir (Vistide), Tenofovir – disoproxil, Adefovir dipivoxil, Prevention.

These, in principle of inhibition DNA virostatics are based on FOSCARNET!!

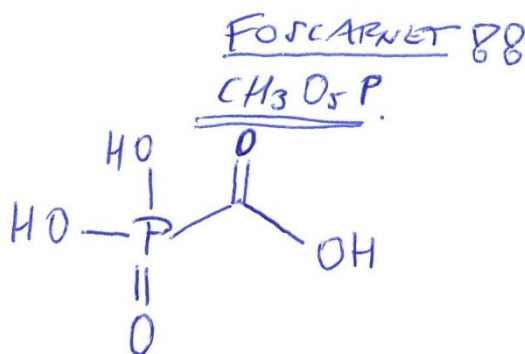


Fig. 13. FOSCARNET – Chemical formula.

9. Conclusion

This paper should be known to the students of UNIVERSITIES, and Academic workers and All interested persons in The Natural Sciences, exactly Biology, Genetics, Molecular Biology, and Quantum Biology and Medicine, with situation of research dangerous viruses, applied like lethal weapons, biological weapons, extraterrestrial viruses, and new dangerous genetic-mutations of viruses.

QUINTA – ANALYTICA L.T.D (LACHEMA) BRNO are laboratories, which will develop a new vaccine against AIDS, Cancer and Coronaviruses, were created with analytical and laboratory equipment, in the Area of Pharmaceutical GIGANT LACHEMA BRNO a.s., Brno Řečkovice, CZ.

LIKE A PHARMACEUTICAL SERVICE SPIN OFF, WHO OFFERS A WIDE RANGE OF PHARMACEUTICAL PRODUCTS AND ANALYSES.

10. Acknowledgement

I would like to thank my brave and patient, lovefull Mother Yvonne Křištofová, who survived attacks of Coronavirus SARS-Cov-2-19 three times during the last 2 years despite her indisposition in free motion.

I Thank Ing. Josef Pokorný, IT scientist, Ph.D. student of BRNO UNIVERSITY OF TECHNOLOGY and main engineer of conversion of MANUSCRIPT to electronical digital original text and correction of text of this paper.

Also is my responsibility a big Thank to my Personal Medical Doctor, Prim. Dr. Philip Vrtek and Dr. Suzanne Hejtmánková in Hospital Húskova 2 Street, 618 32 Brno, Czech Republic.

I must also Thank to Prof. RNDr. Jiřina Relichová, CSc., for Her Human Professionality and exact thought of brilliant Biology Scientist.

My finally Thanks belong to Prof. RNDr. Joseph Havel, Dr.Sc., Dr.hc., the Empathic and Human Scientist, and to Director and The Head Professor of Physics of Condensed Matter Prof. Mgr. Dominik MUNZAR, Dr.Sc. at MASARYK UNIVERSITY RESP. FACULTY OF SCIENCE, KOTLÁŘSKÁ STREET no. 2, Brno.

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