

Electromagnetic wave therapy: potential for COVID-19?

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Dr Luc Montagnier, Bioweapons and the Coming Revolutions in Optical Biophysics

This April 16th, Dr Luc Montagnier became a household name around the world. This occurred as the controversial virologist decided to publicly state his support for the theory that COVID-19 is indeed a laboratory-generated creation and not a naturally occurring effect of viral evolution.

Referring to a study¹ published at the Kusama School of Biology in New Dehli on January 31st, Montagnier (the 2008 Nobel Prize winner for his 1983 discovery of the HIV virus) made the point that the specific occurrence of HIV RNA viral segments spliced surgically within the COVID-19 genome could not have originated naturally and he described it in the following words:

"We have carefully analyzed the description of the genome of this RNA virus. We weren't the first, a

group of Indian researchers tried to publish a study showing that the complete genome of this virus that has within the sequences of another virus: that of HIV."²

While the Indian team was induced to retract their publication under immense pressure from the mainstream medical establishment (which never bothered to seriously refute the content of the study's research but rather used the "random-mutation-makes-anything-possible" argument), Montagnier stated "scientific truth always emerges".

Not China: Montagnier Misdiagnoses the Culprit

Montagnier's political ignorance became all too clear when he was asked who the culprit could possibly be.

By asserting his belief that China's BSL4 lab in Wuhan

was the source, Montagnier has fallen into a trap set by Anglo-American intelligence circles which have been promoting a military confrontation between the USA and China for a very long time.

Now even though Montagnier denies that China released this virus with malicious intent (unlike many fanatical droves of neoconservatives currently itching for war), the "Wuhan Lab origin" hypothesis completely ignores the reality of the Pentagon's globally extended 25 bioweapons laboratories³ which have openly created novel coronaviruses including varieties that arose in bats as journalist Whitney Webb's remarkable February 2020 paper⁴ demonstrated.

Even though a 2014–2017 temporary ban on "dual-use" funding was imposed onto America's bioweapons research, nothing prevented this work from occurring internationally or even covertly within the 11 military labs on American soil itself and tied to the same Fort Detrick that was shut down in July 2019 under suspicious circumstances. As I pointed out in my recent paper, "The Project for a New American Century, 9/11 and Bioweapons"⁵, over \$50 billion has been spent on bioweapons research since 2001 which the Project for a New American Century manifesto claimed would play a major role in the arsenal of 21st century warfare stating: "...advanced forms of biological warfare that can "target" specific genotypes may transform biological warfare from the realm of terror to a politically useful tool".

Luc Montagnier's Wave Therapy: Quackery or Brilliance?

The most powerful aspect of Montagnier's April 16th intervention into world politics in my view is not really found in his support for the laboratory origins theory, but rather in the scientist's often overlooked proposition for an international crash program in something called electromagnetic wave therapy. Rather than investing in vaccines, Montagnier has explained that it were much wiser for nations of the world to launch a crash project into a very different approach to viral treatments than is currently common in polite society saying:

"I think we can make interference waves which are behind the RNA sequences that can eliminate those sequences with waves and consequently stop the pandemic."⁶

Before brushing this off as "quackery" as so many are wont to do, one should keep in mind that President Trump himself has indicated his interest in Montagnier's approach in his April 23rd briefing speaking to Bill Bryan (head of the science and technology division of the Department of Homeland Security), Trump said:

"Supposing we hit the body with a tremendous... whether it's ultraviolet or just very powerful light. And I think you said that hasn't been checked, but you are going to test it... And then I said supposing you brought the light inside the body, which you can do

either through the skin or in some other way. And I think you said you are going to test it."⁷

While Trump has been vilely attacked as "unscientific" for these utterances, it is only due to the vast ignorance of Montagnier's incredible discoveries into the electromagnetic properties of life that such mockery can go unchallenged. Montagnier's innovations into "bleaching therapy" which Trump referenced in the same speech are also much more complex than mainstream detractors assume and has nothing to do with simply "injecting" disinfectants into the blood stream. These therapies are highly interconnected with the electromagnetic waves emitted by certain types of bacteria which Montagnier has discovered to be the most likely driving mechanism to many of the diseases, both chronic and acute, plaguing humanity. More will be said on that below.

What is Optical Biophysics and What did Montagnier Discover?

Optical biophysics is the study of the electromagnetic properties of the physics of life. This means paying attention to the light emissions and absorption frequencies from cells, DNA, and molecules of organic matter, how these interface with water (making up over 75 per cent of a human body) and moderated by the nested array of magnetic fields located on the quantum level and stretching up to the galactic level.

Not to discount the biochemical nature of life which is hegemonic in the health science realm, the optical biophysician asks: which of these is *primary* in growth, replication, and division of labour of individual cells or entire species of organisms? Is it the chemical attributes of living matter or the electromagnetic properties?

Let me explain the paradox a bit more.

There are approximately 40 trillion highly differentiated cells in the average human body, each performing very specific functions and requiring an immense field of coherence and intercommunication. Every second approximately 10 million of those cells die, to be replaced by 10 million new cells being born. Many of those cells are made up of bacteria, and much of the DNA and RNA within those cells is made up of viruses (mostly dormant), but which can be activated/deactivated by a variety of methods both chemical and electromagnetic.

Here's the big question:

How might this complex system be maintained by chemical processes alone—either over the course of a day, month or an entire lifetime?

The simple physics of motion of enzymes which carry information in the body from one location to another simply doesn't come close to accounting for the information coordination required among all parts. This is where Montagnier's research comes in.

After winning the 2008 Nobel Prize, Dr Montagnier published a revolutionary yet heretical 2010 paper called "DNA Waves and Water"⁸ which took the medical community by storm. In this paper, Montagnier demonstrated how low frequency electromagnetic radiation within the radio wave part of the spectrum was emitted from bacterial and viral DNA and how said light was able to both organise water and transmit information! The results of his experiments were showcased wonderfully in an eight min video.⁹

Using a photo-amplifying device invented by Dr Jacques Benveniste in the 1980s to capture the ultra-low light emissions from cells, Montagnier filtered out all particles of bacterial DNA from a tube of water and discovered that the post-filtered solutions containing no material particles continued to emit ultra low frequency waves! This became more fascinating when Montagnier showed that under specific conditions of a 7 Hz background field (the Schumann resonance is 7.83 Hz and naturally occurs between the Earth's surface and the ionosphere), the non-emitting tube of water that had never received organic material could be induced to emit frequencies when placed in close proximity with the emitting tube! Even more interesting is that when base proteins, nucleotides and polymers (building blocks of DNA) were put into the pure water, near perfect clones of the original DNA were formed!

Dr Montagnier and his team hypothesised that the only way for this to happen was if the DNA's blueprint was somehow imprinted into the very structure of water itself resulting in a form of "water memory" that had earlier been pioneered by immunologist Jacques Benveniste (1935–2004), the results of which are showcased in the incredible 2014 documentary "Water Memory"¹⁰.

Just as Benveniste suffered one of the most ugly witch hunts in modern times (led in large measure by *Nature Magazine* in 1988), Montagnier's Nobel prize did not protect him from a similar fate as an international slander campaign has followed him over the past 10 years of his life. Nearly 40 Nobel prize winners have signed a petition denouncing Montagnier for his heresy and the great scientist was forced to even flee Europe to escape what he described as a culture of "intellectual terror". In response to this slander, Montagnier stated to *LaCroix* magazine:

"I'm used to attacks from these academics who are just retired bureaucrats, closed off from all innovation. I have the scientific proofs of what I say".¹¹

Describing the greatest challenges to advancing this research, Montagnier stated:

"We have chosen to work with the private sector because no funds could come from public institutions. The Benveniste case has made it so that anyone who takes an interest in the memory of water is considered... I mean it smells of sulphur. It's Hell."¹²

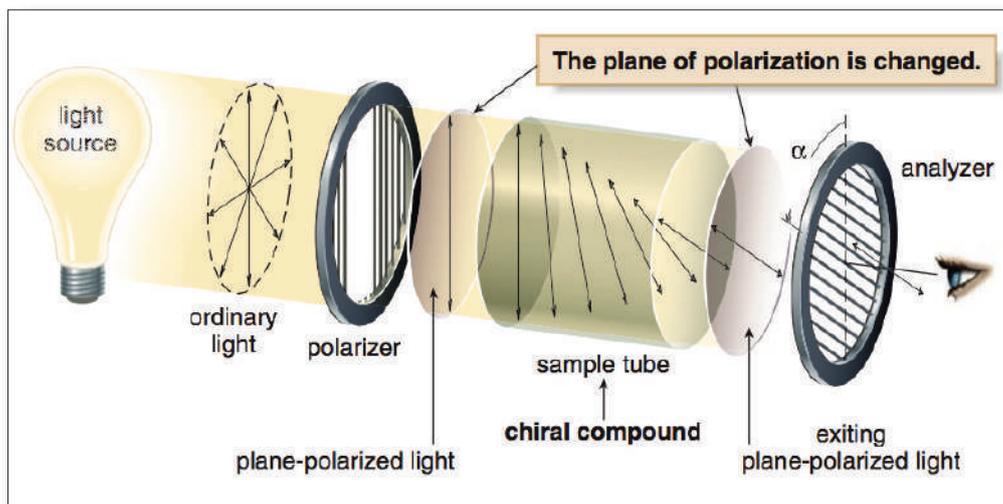
The Long Wave of Discovery (and the Clash of Two Sciences)

Montagnier's fight is merely a shadow of a much larger clash within western science itself. While many people think simplistically that there is one singular branch of science from Galileo to Descartes to Newton to the present, the reality upon closer inspection shows us that there are actually two opposing paradigms—one of which has been obscured systematically by politically-motivated witch hunts since even before the days of Huxley's X Club and the 1869 founding of *Nature Magazine*¹³.

Since this fight is so often overlooked, a few words should be said here and now.

In opposition to the materialist tradition which has attempted to impose "material causes" onto natural phenomena, the more potent school of optical biophysics embodied by Montagnier was set into motion by none other than Louis Pasteur. Although famous for his insight into vaccinations, the bacterial theory of disease and the heating process that bears his name, Pasteur's earlier revolutionary work was shaped by discoveries into the optical properties of life and the handedness phenomena of life. In short, using a polarimeter (see image below), Pasteur discovered that solutions which had organic material dissolved within them had the incredible property of rotating polarised light to the "left" while liquid solutions devoid of organic material did not hold that capability¹⁴.

This left-handed property to life still confounds astrobiologists over a century later¹⁵.



While World War I derailed this course of investigation, the topic was taken up by two Russian-Ukrainian scientists who worked together closely at the University of Crimea: Vladimir Vernadsky, father of Russian atomic science and the founder of the school of biogeochemistry (1863–1945), and his friend Alexander Gurwitsch (1874–1954).

Alexander Gurwitsch's Mitogenic Radiation

Vernadsky used Pasteur's work extensively in his own construction of the biosphere and always made a point that the electromagnetic properties of life were the driving force of biochemistry. While Vernadsky spent his life focusing upon the macro-states of the biosphere, and how it interacted with the lithosphere and noosphere (the nested domains of non-life, life and creative reason) within nested arrays of magnetic fields moderating the flux of cosmic radiation through the Universe, his colleague Gurwitsch focused upon the intersection of light and magnetic fields within the microstates of living cells.

Describing his discovery in a 2011 study on Cosmic Bio-Radiation¹⁶, researcher Cody Jones described Gurwitsch's basic insight:

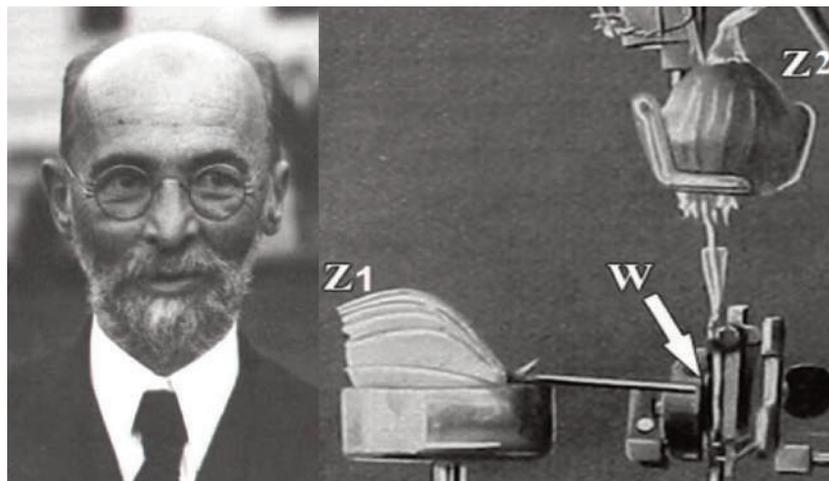
"Gurwitsch developed three nested levels of field structures, arranged according to complexity and spatial extent, ranging from the molecular (molecular constellations), to the cellular (relations among cells), to the organismic levels (the different organs and systems that constitute a single organism). Each nested field could be described in terms of different mechanisms as to how the morphology advanced for any particular structure, yet they were all unified towards the realization of a definite future state of existence."

Gurwitsch first revolutionised life sciences by shaping an elegant experiment which demonstrated that cells emit weak bursts of ultraviolet light as they go through mitosis. To prove his theory, Gurwitsch set up two onion roots growing in perpendicular directions and found that the higher rates of light emissions which occurred on the newer tip of the roots induced cell growth of 30–40 per cent when brought into proximity of an older onion root. Although no instruments sensitive enough to pick up these ultra-weak frequencies existed during his lifetime, Gurwitsch demonstrated that light from the ultraviolet spectrum must be generated from new cells by separating the old and new onion roots by various types of lenses which blocked out different parts of the spectrum and found that only when UV light was blocked

did the effect of 30 per cent cell growth increase come to an end. Gurwitsch called this "Mitogenic Radiation"¹⁷.

While Gurwitsch was ostracised by the scientific establishment during his life, technologies arose among the astrophysics community in the 1950s which permitted scientists to measure extremely weak light frequencies in the range of Gurwitsch's mitogenic radiation (obviously useful for picking up faint signals from other galaxies in deep space). When teams of Italian astronomers applied their equipment to organic material, Gurwitsch's discovery was verified experimentally for the first time.

One would have thought such a discovery would have



Alexander Gurwitsch and his original onion root experiment. Two onions (Z1 and Z2) grow perpendicularly with point W representing the point of intersection of the younger root emitted from Z1 and the older root of Z2 separated by a quartz lens blocking the emissions of ultra violet emissions from Z1 to Z2.

revolutionised all of biology, medicine and life sciences on the spot. However, after a brief spike in interest, the discovery was soon forgotten and relegated to a "negligible" secondary feature of life which had no causal role to play in any of the mechanics or behaviour of organic activity. The materialists and reductionists who wished to maintain that all life was merely the sum of parts won the day.

Then another biophysicist named Fritz-Albert Popp arose onto the scene.

Fritz Popp's Biophotonic Discoveries

During the 1970s, Popp was a cancer researcher trying to figure out why only one of the two isomers of benzopyrene caused cancer. An isomer is sometimes known as a mirror image configuration of a molecule—these two are chemically identical, but their properties can differ vastly.

Under the materialist/reductionist's logic, there was no reason why one isomer (3,4-benzopyrene) which is found in cigarettes and tar would induce cancer growth in lung tissue while another isomer (1,2-benzopyrene) would be

completely benign.

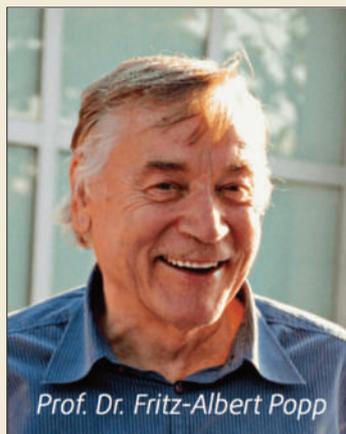
After discovering the work of Gurwitsch, Dr Popp began measuring the ultra-weak light emissions from the benzpyrene molecules and their effects upon cell growth in liver tissues and found that the extremely high light absorption/emission properties of 3,4-benzpyrene were the cause of the disharmony of cell regulation. Measuring the photon activity from cancerous versus healthy liver cell growth is a striking way to clearly see that cancerous growth coincides with exponential photon emissions while healthy liver photon emissions are very stable.

Over the course of his highly productive lifetime, Dr Popp discovered that these light emissions occurred at different wavelengths according to the cell types, function and species. When Popp brought two biological samples into proximity, things became additionally interesting as the "rhythm" of their photon emissions synchronised beautifully when close together and fell out of sync when separated. This was outlined in his paper "On the Coherence of Biophotons"¹⁸.

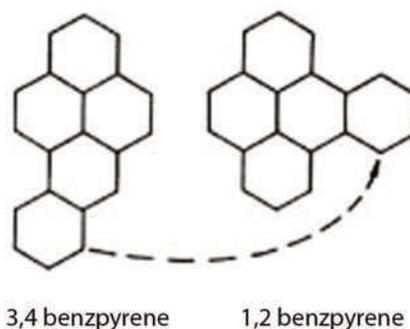
This mode of thinking about life has the mind of the scientist approach life in a manner more in common with a musician tuning his instrument to an orchestra or a conductor holding multiple sound waves in his mind simultaneously, as a whole musical idea which is greater than simply the sum of its parts. It is a much more natural and effective mode of thinking than the materialist/reductionist approach today dominant across most western universities that treats the organism like a machine and the whole as a sum of chemical parts.

Casting Montagnier's Research in a New Light

Returning once more to Luc Montagnier with a renewed appreciation for the longer wave of scientific tradition which he is a part of amplifying, we may appreciate some of the conclusions which he has drawn from often ignored, yet completely verifiable properties of light waves, structured water, bacteria and DNA which may cause us to redefine our understanding of "life", "disease" and "medicine" forever. This exercise will



Prof. Dr. Fritz-Albert Popp



3,4 benzpyrene

1,2 benzpyrene

TWO FORMS OF BENZPYRENE - The 3,4 benzpyrene, which is found in coal-tar and in cigarette smoke, is chemically very similar to 1,2 benzpyrene, which is considered harmless. The only major difference between them is that 3,4 benzpyrene has a strong absorption/emission anomaly in the ultraviolet area of the spectrum. Popp (at left) asked himself, could these optical properties of the molecule be the direct cause of its carcinogenicity? [source of image and caption: 21st Century Science and Technology]

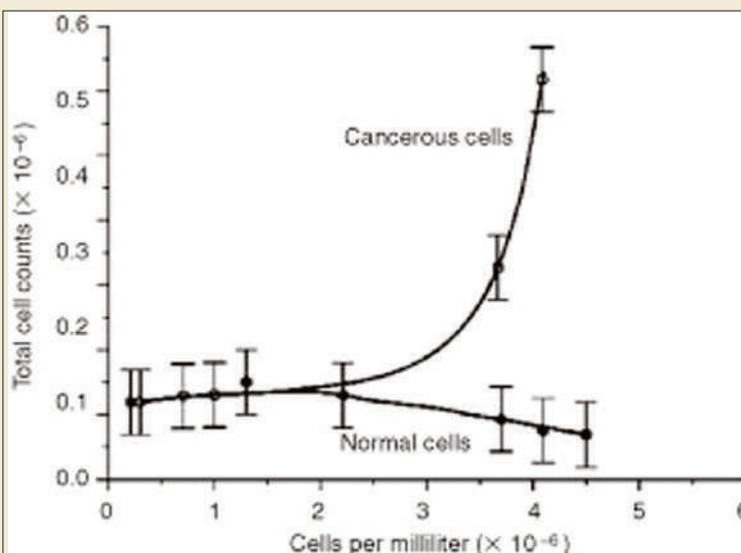


PHOTO COUNTS OF NORMAL LIVER CELLS VS CANCEROUS CELLS- Normal liver cells (lower curve) have a relatively stable or even falling level of photon counts at increasing cell density, while cancer cells of the same cell type show an increasing photon count at higher cell densities. From this, it was concluded that populations of cancer cells have lost the harmony and coherence that is typical for healthy tissue

[source of image and caption: 21st Century Science and Technology]

possibly cause us to appreciate the importance of an international crash program in optical biophysics research and light wave/interference therapy to treat diseases plaguing humanity including COVID-19.

In a 2011 interview, Dr Montagnier recapitulated the

consequences of his discoveries:

"The existence of a harmonic signal emanating from DNA can help to resolve long-standing questions about cell development, for example how the embryo is able to make its manifold transformations, as if guided by an external field. If DNA can communicate its essential information to water by radio frequency, then non-material structures will exist within the watery environment of the living organism, some of them hiding disease signals and others involved in the healthy development of the organism."¹⁹

With these insights in mind, Montagnier has discovered that many of the frequencies of electromagnetic emissions from a wide variety of microbial DNA is also found in the blood plasmas of patients suffering from influenza A, hepatitis C, and even many neurological diseases not commonly thought of as bacteria-influenced such as Parkinson's, multiple sclerosis, rheumatoid arthritis and Alzheimers. In recent years, Montagnier's teams even found certain signals in the blood plasmas of people with autism and several varieties of cancers!

Over a dozen French doctors have taken Montagnier's ideas seriously enough to prescribe antibiotics to treat autism over the course of six years and in opposition to conventional theories, have found that amidst 240 patients treated, four out of five saw their symptoms either dramatically regress or disappear completely!²⁰

These results imply again that certain hard-to-detect species of light emitting microbes are closer to the cause of these ills than the modern pharmaceutical industry would like to admit.

A New Domain of Thinking: Why Big Pharma Should Be Afraid

As the filmed 2014 experiment demonstrated, Montagnier went even further to demonstrate that the frequencies of wave emissions within a filtrate located in a French laboratory can be recorded and emailed to another laboratory in Italy where that same harmonic recording was infused into tubes of non-emitting water, causing the Italian tubes to slowly begin emitting signals! These DNA frequencies were then able to structure the Italian water tubes from the parent source a thousand miles away resulting in a 98 per cent exact DNA replica!

Standing as we are, on the cusp of so many exciting breakthroughs in medical science, we should ask: what could these results mean for the multibillion dollar pharmaceutical-industrial complex which relies on keeping the world locked into a practice of chemical drugs and vaccines?

Speaking to this point, Montagnier stated:

"The day that we admit that signals can have tangible effects, we will use them. From that moment on we will be able to treat patients with waves. Therefore it's a new domain of medicine that people fear of course. Especially

the pharmaceutical industry... one day we will be able to treat cancers using frequency waves."²¹

Montagnier's friend and collaborator Marc Henry, a professor of Chemistry and Quantum Mechanics at the University of Strasbourg stated:

"If we treat with frequencies and not with medicines it becomes extremely cost effective regarding the amount of money spent. We spend a lot of money to find the frequencies, but once they have been found, it costs nothing to treat."²²

Whether produced in a lab as Montagnier asserts or having appeared naturally as *Nature Magazine*, Bill Gates and Dr Fauci assert, the fact remains that the current coronavirus pandemic has accelerated a collapse of the world financial system and forced the leaders of the world to discuss the reality of a needed new paradigm and new world economic order. Whether that new system will be driven by pharmaceutical cartels, and financiers running global health policy or whether it will be driven by nation states shaping the terms of that new system around human needs, remains to be seen.

If nation states manage to stay in the driver's seat of this new system, then it will have to be driven by certain fundamental principles of healthcare for all, science practice reform and broader political/economic reform whereby the sacredness of human life is placed above all considerations of monetary profit. In this light, such crash programs into long term projects in space science, asteroid defense, and Lunar/Mars development will be as necessary in the astrophysical domain as crash programs in fusion energy will be in the atomic domain.

Uniting both worlds is the domain of life sciences that intersects the electromagnetic properties of atoms, cells and DNA with the large scale electromagnetic properties of the Earth, Sun and galaxy as a whole.

About the Author:

Matthew Ehret is the Editor-in-Chief of the Canadian Patriot Review, a BRI Expert on Tactical talk, and has authored three volumes of *Untold History of Canada* book series. His previous contribution to NEXUS was "Mackinder vs China's New Silk Road", volume 26, number 1 (December 2018–January 2019). In 2019 he co-founded the Montreal-based Rising Tide Foundation and can be reached at matt.ehret@tutamail.com

Endnotes

1. Prashant Pradhan, Ashutosh Kumar Pandey, Akhilesh Mishra et. al. Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120, Kusuma School of biological sciences, Indian institute of technology, New Delhi-110016, India, <https://tinyurl.com/y7ulppls>
2. According to Montagnier, the coronavirus was manipulated for an AIDS vaccine, Corvelva, April 20, 2020, <https://tinyurl.com/yajh93eo>

3. Dilyana Gaytandzhieva. The Pentagon Bio-weapons, April 29, 2018, <https://tinyurl.com/rt6bxnu>
4. Whitney Webb. Bats, Gene Editing and Bioweapons: Recent DARPA Experiments Raise Concerns Amid Coronavirus Outbreak, January 30, 2020, Greenville Post, <https://tinyurl.com/ybpklrsp>
5. Matthew Ehret, The Project for a New American Century and the Age of Bioweapons: 20 Years of Psychological Terror, Strategic Culture Foundation, April 8, 2020, <https://tinyurl.com/ufc4wv2>
6. According to Montagnier, the coronavirus... op. cit.
7. Rob Crilly, Trump floats using UV light or disinfectant injections to treat COVID-19 patients, Washington Examiner, April 23, 2020, <https://tinyurl.com/ycwm84ey>
8. Montagnier, L. et. al., DNA waves and water, DOI: 10.1088/1742-6596/306/1/012007, Journal of Physics: Conference Series, July 2011, <https://tinyurl.com/yb4tt4kv>
9. www.youtube.com/watch?v=Zjzg8askO4c
10. Water Memory, 2014, <https://www.youtube.com/watch?v=R8VyUsVOic0>
11. La-croix- A l'Académie de médecine, une levée de boucliers contre le professeur Montagnier Pierre Bienvault, Nov. 14, 2017, <https://tinyurl.com/y7ph6rqk>
12. Water Memory, 2014, op. cit.
13. Paul Glumaz, Hideous Revolution: The X Club's Malthusian Revolution in Science, Canadian Patriot Review #8, August 2013
14. Pasteur's early discoveries on chirality and life's rotation of polarized light is beautifully displayed in the 2010 docu-drama "The Space of Life" <https://youtu.be/gh0OxpJpneQ>
15. Bruce Dorminey, Life's "Left-Handed" Amino Acids Still A Puzzle, Forbes Magazine, June 2013, <https://tinyurl.com/y8vuk38s>
16. Cody Jones, Cosmic Bio-Radiation: Casting Gurwitsch in the Light of Vernadsky https://risetidefoundation.files.wordpress.com/2020/04/codyjones-biocosmo_0.pdf
17. For a full exposition of Gurwitsch's life's work see: Alexander Gurwitsch and the Concept of the Biological Field: Part 1 and 2 by Michael Lipkind, 21st Century Science and Technology (Summer 1998)
18. About the Coherence of Biophotons Fritz-Albert Popp International Institute of Biophysics (Biophotonics) Raketenstation, 41472 Neuss, Germany, May 2003, <https://tinyurl.com/y8jt9tlw>
19. The Coming Revolution in Wave Biology, Interview with Dr Luc Montagnier, August 8, 2011, <https://www.youtube.com/watch?v=MjIRGzstVAc>
20. Treating Autism with Antibiotics, Evening news, France 3 TV channel, 19/20 Friday Feb 17th 2012
21. Water Memory, 2014, op. cit.
22. Water Memory, 2014, *ibid.*