

# Coherence 2020

12 march 2020 <https://global.gotomeeting.com/join/958506597>

## **From Climatotherapy to Pharmacoelectrodynamics: The role of Molecular Signaling of drugs in the human body environment interface.**

, Vincenzo Valenzi, Mario V. Russo, Albina Pisani, Salvatore Oliverio,  
Vat Marashi, Vadym Berevoskyi.

Dipartimento di Medicina Integrata e Biofisica,  
Università Popolare Federiciana

(<http://www.cimb.me/dipartimenti.html>)

[www.cirps.it](http://www.cirps.it)

# COHERENT AND INCOHERENT INTERACTIONS: THE KEY TO UNDERSTAND AND MANAGE MCS AND OTHERS THREAT TO LIFE... AND THERAPY

Concentration of air pollutant, intensity of Electromagnetic field, concentration of drug in blood, in water, are well studied and classified in International standard and rule the strategy of sustainable development in the World.

Linear interaction between dose and effect in toxicology and therapy are well studied and The Paradigma "Is the dose that make the drug" is the main law of medicine

But a lot of biological and pathological phenomena are not linear and very low concentrations of drug, electromagnetic signals, show a strong therapeutic or pathological activity. THIS IS OF CAPITAL IMPORTANCE FOR SAFETY AND HEALTH

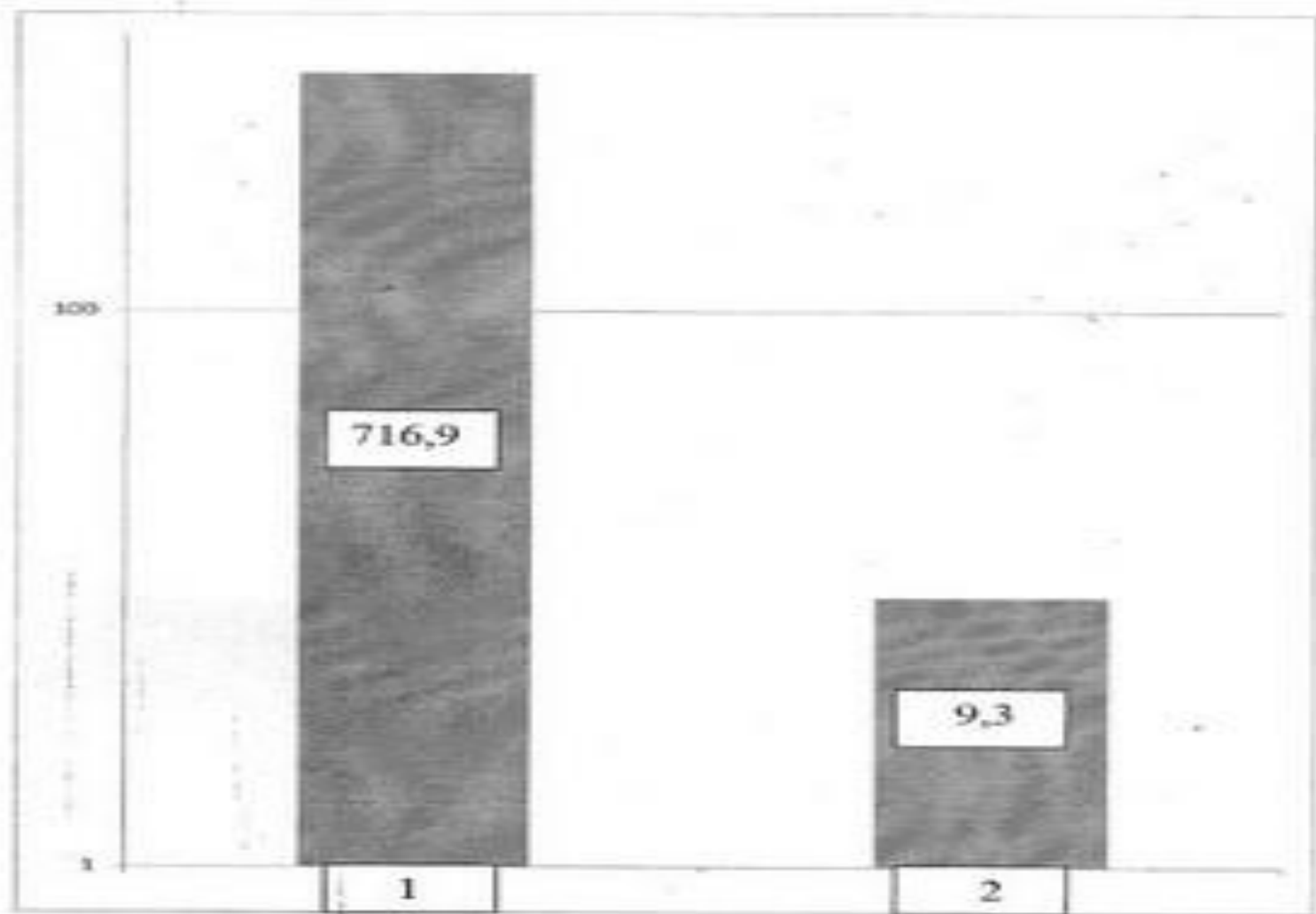
# More than 100000 Americans die every year

Lazarou et al. JAMA 1998; 279:1200-1205

[www.lef.org/protocols/prtcls.../t-prtcl-165.html](http://www.lef.org/protocols/prtcls.../t-prtcl-165.html) -

Drug *side effects* are the fourth leading cause of death in the United States. .... More than 100000 Americans die every year from prescription drug *side effects*. .... Indeed, in the 1998 JAMA study cited above, 76.2% of all *side effects* were ...

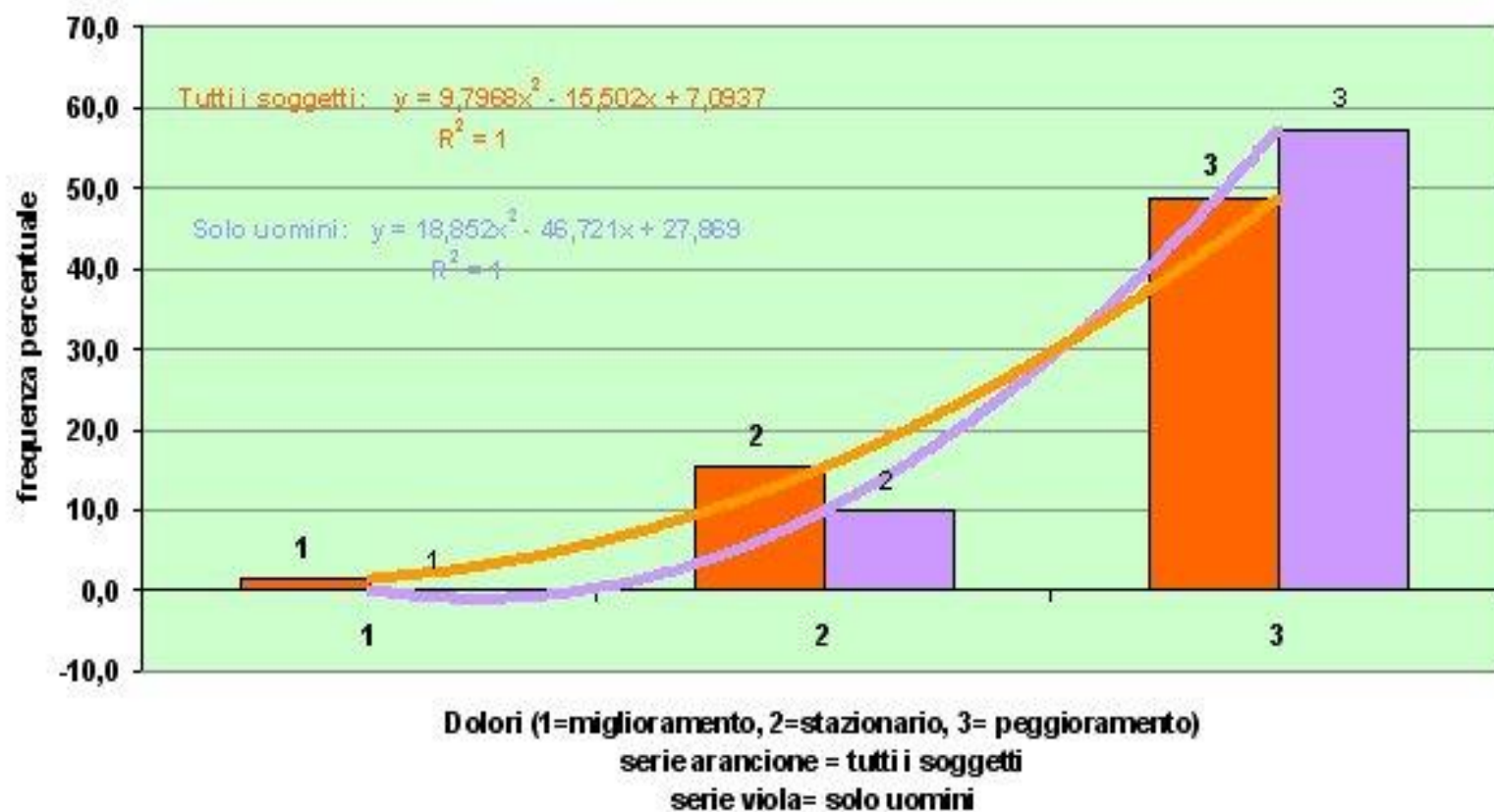
**SE SPARTA (AMERICA) PIANGE ,  
ATENE (EUROPA) NON RIDE**



Различие в заболеваемости бронхиальной астмой у жителей Киргизии, проживающих в низменных (1) или высокогорных (2) районах страны

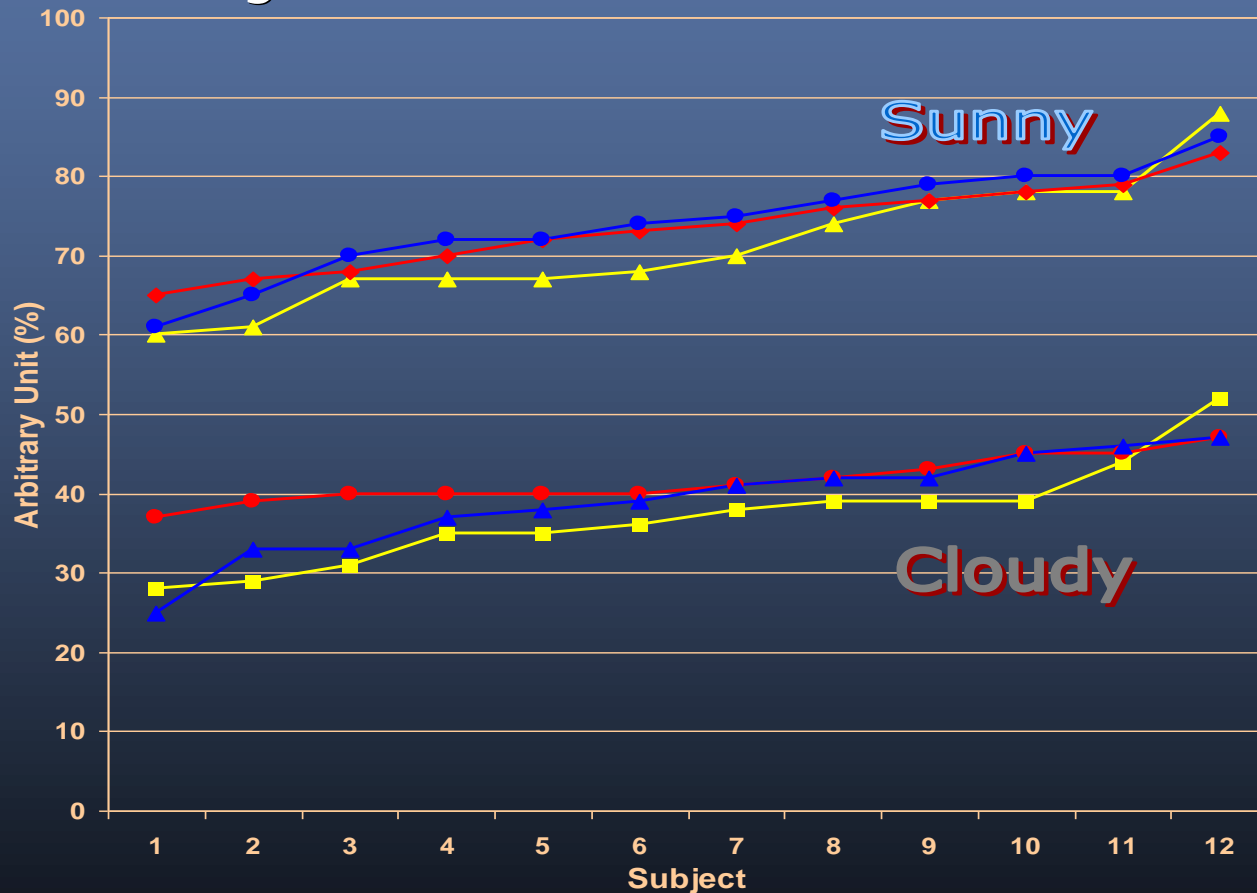
Жители высокогорья болеют бронхиальной астмой в 77 раз реже, нежели жители низменных районов Киргизии.

# METEOROPATIC PAIN WHEN STORM IS ARRIVING



# Health Subjects

Homogeneity of 3 groups of health subject



| Ohm      | V alone US |
|----------|------------|
| 10 000   | 91         |
| 27 000   | 78         |
| 39000    | 70.5       |
| 47000    | 66.5       |
| 95000    | 50         |
| 100 000  | 48         |
| 130000   | 43         |
| 200000   | 32         |
| 220 000  | 29         |
| 300000   | 24         |
| 560 000  | 14         |
| 1000 000 | 8          |

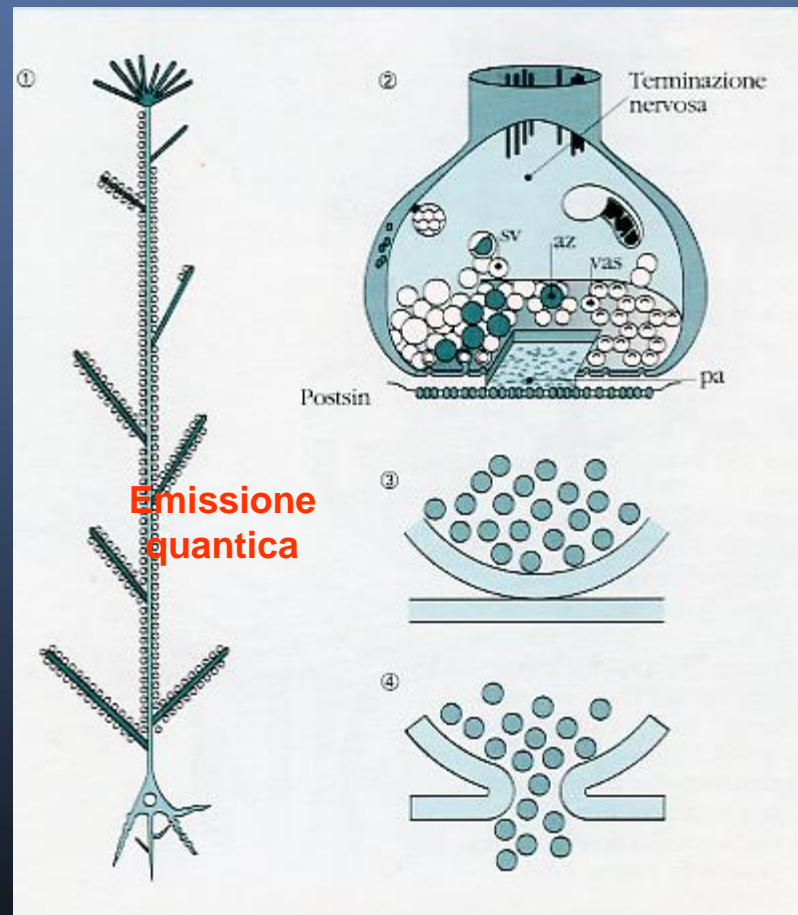
# Vacuum and Coherence in Nature

Webnar, 25 July 2007



“The psycone coordinates exocitoses by means of quantum probability fields”

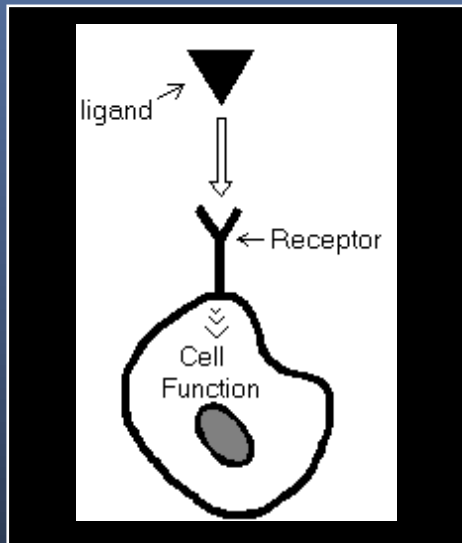
*Sir John Eccles*





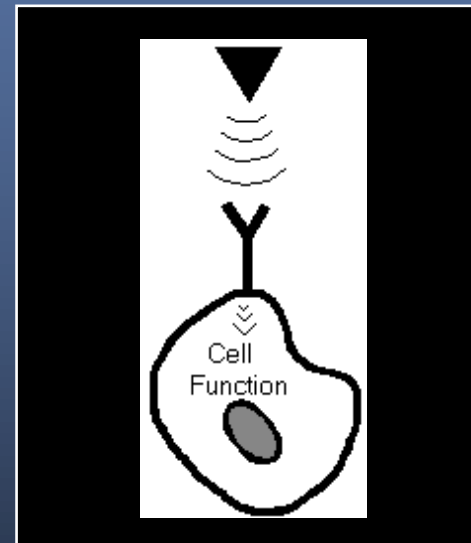
# Molecular signaling

## The Current Theory: "structural matching"



The 3D structure of ligand matches that of the receptor. Physical proximity induces receptor conformational changes which in turn triggers the cascade of events prompting cell function.

## The Benveniste Theory: "electromagnetic signals"



Proximity favors resonance of ligand-receptor specific EM signals. Resonance serves as an iperconductive mechanism for activation changes which occur at all steps of the cascade inducing cell function.

# Resonance Peak in the Current through the Solution (Zhadin Effect)

ZHADIN M.N., NOVIKOV V.V., BARNESF.S. PERGOLA N.F. (1998) *Combined action of static and alternating magnetic fields on ionic current in aqueous glutamic acid solutions.* Bioelectromagnetics 19: 41-45.

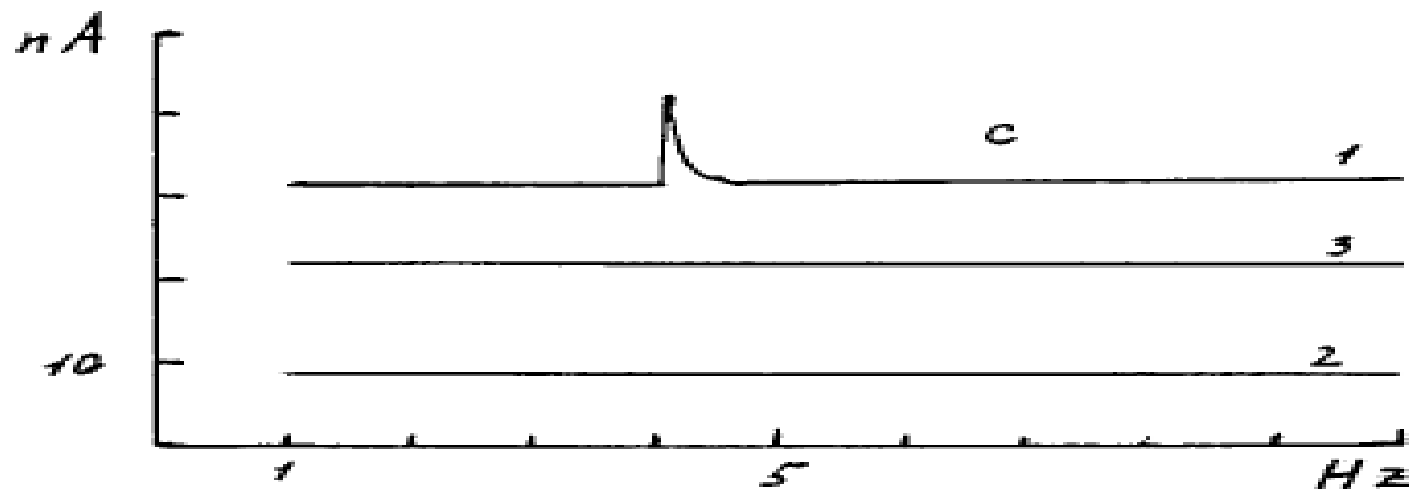


Fig. 2. Ionic current through aqueous glutamic acid (Glu) solution as a function of alternating magnetic field frequency at different values of static magnetic field. The alternating magnetic field frequency in Hz is plotted on the horizontal axis; the ionic current in nA is plotted on the vertical axis. The alternating field amplitude is  $0.025 \mu\text{T}$ ; a: static magnetic field  $B_0 = 20 \mu\text{T}$ ; b:  $B_0 = 30 \mu\text{T}$ ; c:  $B_0 = 40 \mu\text{T}$ ; 1: Glu solution with  $\text{pH} = 2.85$ ; 2: Glu solution with  $\text{pH} = 3.2$ ; 3: water with  $\text{pH} 2.85$ .

# International Journal of QUANTUM CHEMISTRY

## Abstract

Benveniste had observed that highly dilute (and even in the absence of physical molecules) biological agents still triggered relevant biological systems. Some of these experiments were reproduced in three other laboratories who cosigned the article, (Davenas et al., *Nature* 1988, 333, 816). Further works, [(*Medical Hypotheses* 2000, 54, 33), (*Rivista di Biologia/Biology Forum* 97, 2004, 169)], showed that molecular activity in more than 50 biochemical systems and even in bacteria could be induced by electromagnetic signals transferred through water solutes. The sources of the electromagnetic signals were recordings of specific biological activities. These results suggest that electromagnetic transmission of biochemical information can be stored in the electric dipole moments of water in close analogy to the manner in which magnetic moments store information on a computer disk. The electromagnetic transmission would enable in vivo transmissions of the specific molecular information between two functional biomolecules. In the present work, the physical nature of such biological information storage and retrieval in ordered quantum electromagnetic domains of water will be discussed. © 2009 Wiley Periodicals, Inc. Int J Quantum Chem, 2010

<http://academic.research.microsoft.com/Publication/22164250/the-biophysical-basis-of-benveniste-experiments-entropy-structure-and-information-in-water>

A. Widom Y.N. Srivastava, V.I. Valenzi

# The Biophysical Basis of Water Memory: Entropy, Structure and Information in Water”

International Journal of Quantum Chemistry (Wiley and Sons), Published on line.May 19, 2009[DOI: 22140]

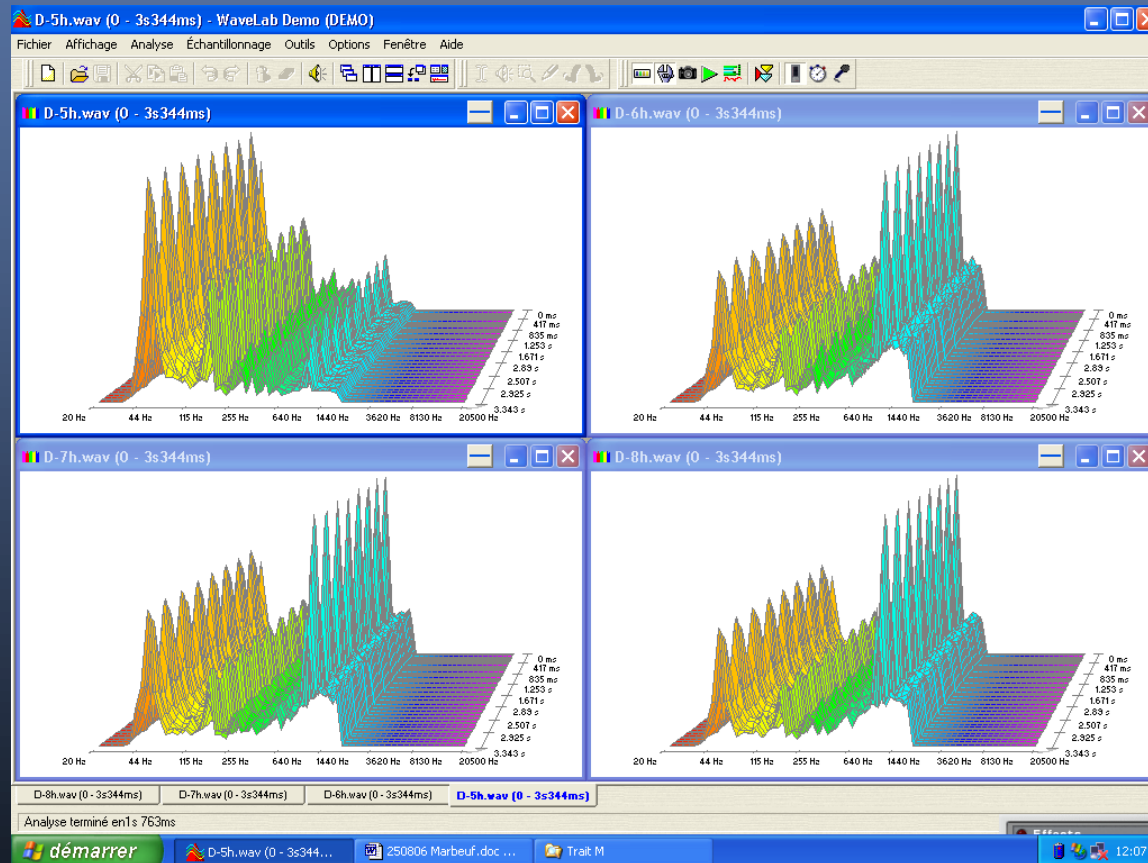
▪**Conclusion:** We have only briefly indicated how electric and magnetic dipole moments carry entropy and thereby information in aqueous electrolytes. Storing information allows biological properties to depend on past histories of electric and magnetic dipole moments within the water solvent. Since electromagnetic waves from sources far removed from the information storage can nevertheless have effects on such memory, *it is clear that biological wireless connection may exist.* Such notions as information memory capacity and biological programs are quite common in describing polymer genome analysis. It should not be surprising that such concepts should be present in other types of biochemical systems. For example, the communication between human memory residing in the human brain and the environment which evokes such memory relies on information carried by nerve cells whose electrical signals critically depend on ionic conduction. Although we are far from working out the relevant ionic electrical connections in life forms more complicated than (say) a lobster, *it is very clear that electrolytic ionic information (i.e. entropy) plays an important role in the resulting electric circuitry.*

## Electromagnetic Signals Are Produced by Aqueous Nanostructures derived from Bacterial DNA Sequences

Luc MONTAGNIER<sup>1</sup>, Jamal AËISSA<sup>1</sup> StJephane FERRIS<sup>1</sup>  
Jean-Luc MONTAGNIER<sup>1</sup>, Claude LAVALLJEE<sup>1</sup>

- **Abstract:** A novel property of DNA is described: the capacity of some bacterial DNA sequences to induce electromagnetic waves at high aqueous dilutions. It appears to be a resonance phenomenon triggered by the ambient electromagnetic background of very low frequency waves. The genomic DNA of most pathogenic bacteria contains sequences which are able to generate such signals. This opens the way to the development of highly sensitive detection system for chronic bacterial infections in human and animal diseases.
- **Key words:** DNA, electromagnetic signals, bacteria.

# Plasma from patient with Alzheimer Disease EMS (+) between $10^{-6}$ and $10^{-11}$

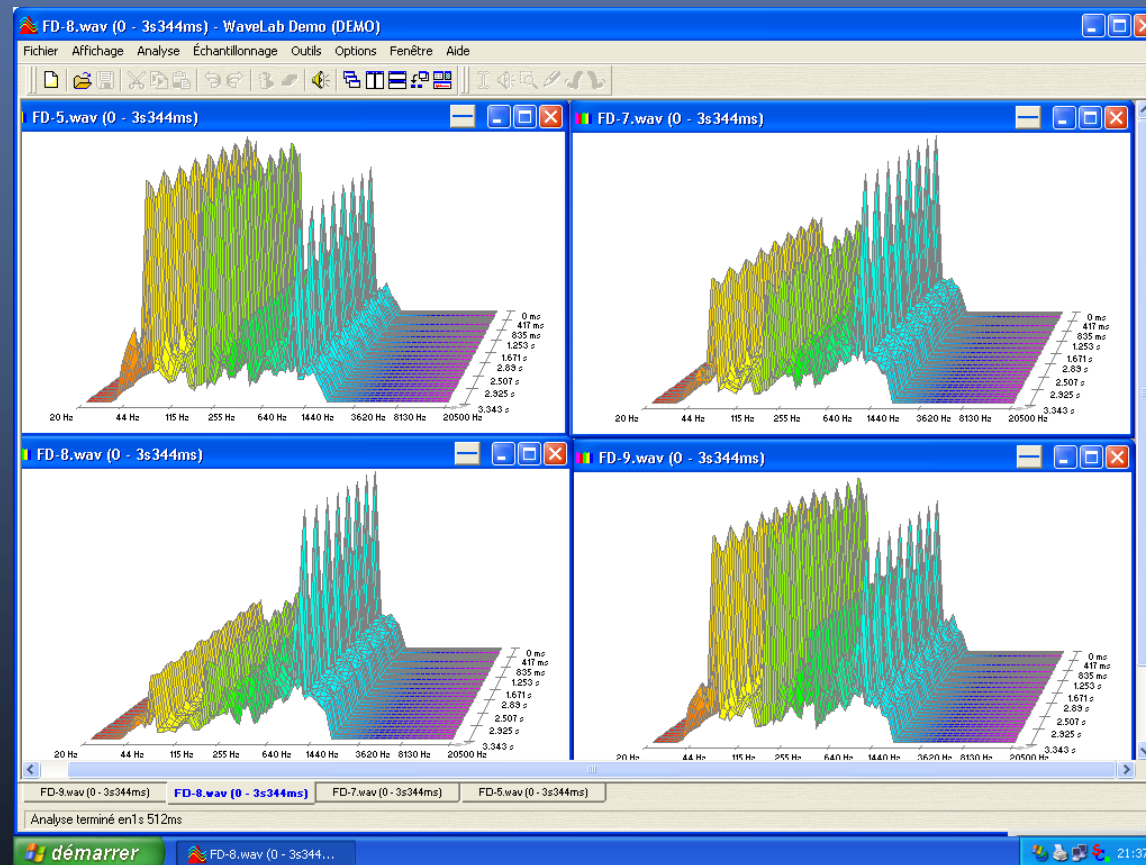



# The case of HIV/AIDS

(in collaboration with CIRBA, Ivory Coast)


African patients, generally infected with the A/G HIV1 subtype

(in vitro : CEM cells infected with HIV1 Lai)





# The role of Molecular Signalling from bacteria nano fragment of DNA



While the signal from blood could be a clear instrumental data (virus of herpes is for example, a well known part of Human DNA in people with herpes infection), less clear appear the etiopathogenetic mechanism with which very low em signals and field inside cell are able to produce disorder and illness.



# A developing scientific vision of chronic diseases

- Today something go to be more clear also thanks to work of Luc Montagnier et coll. from an experimental side and Allan Widom et coll. from theoretical side. Montagnier, continuing Benveniste research on bacteria signal from blood, show how nano-fragment of DNA of bacteria and virus emitting specific electromagnetic signal that could be used for diagnostic also of some chronic disease as Alzheimer, Rheumatoid Arthritis, AIDS, etc.

# New scientific basis for diagnostics and therapy

- This discovery seems explain some strange observation from bio resonance, its diagnostic activity, also in absence of traditional detection of virus or bacteria, and more the therapeutic effect of so-call inversion of frequency that seems able to care some viral and bacterial disease and also some chronically disease as SLA, RA, etc reported in some medical experiences of bioresonance therapy in the last 40 years

# The role of Molecular Signalling from bacteria nano fragment of DNA

While the signal from blood could be an clear instrumental data (virus of herpes is for example, a well know part of Human DNA in people with herpes infection), less clear appear the etiopathogenetic mechanism whit which very low em field inside cell are able to produce disorder and illness.

- Also don't easy is understand how very low em field are able to induce therapeutic effects...

# *The Sensitive Bioelectrical System in Humans to em field*

- A possible model could be represented by SEP/BAP (Skin Electric Parameters) that measure the Ohm resistance in the Chinese meridian see as circuits to variable resistance. On these circuits, em signal of high or low and superlow intensity, or quantum field as Potential vector in Bohm, Aharonov and Josephson Effects, could be able to induce relevant modification of electric resistance as observed in some researches on Meteoropathies in Spa Medicine, in pharmacoelectrodynamics ecc. It seems indeed that the Ohm Law and em signal and quantum field could have a key role in general physiopathology.

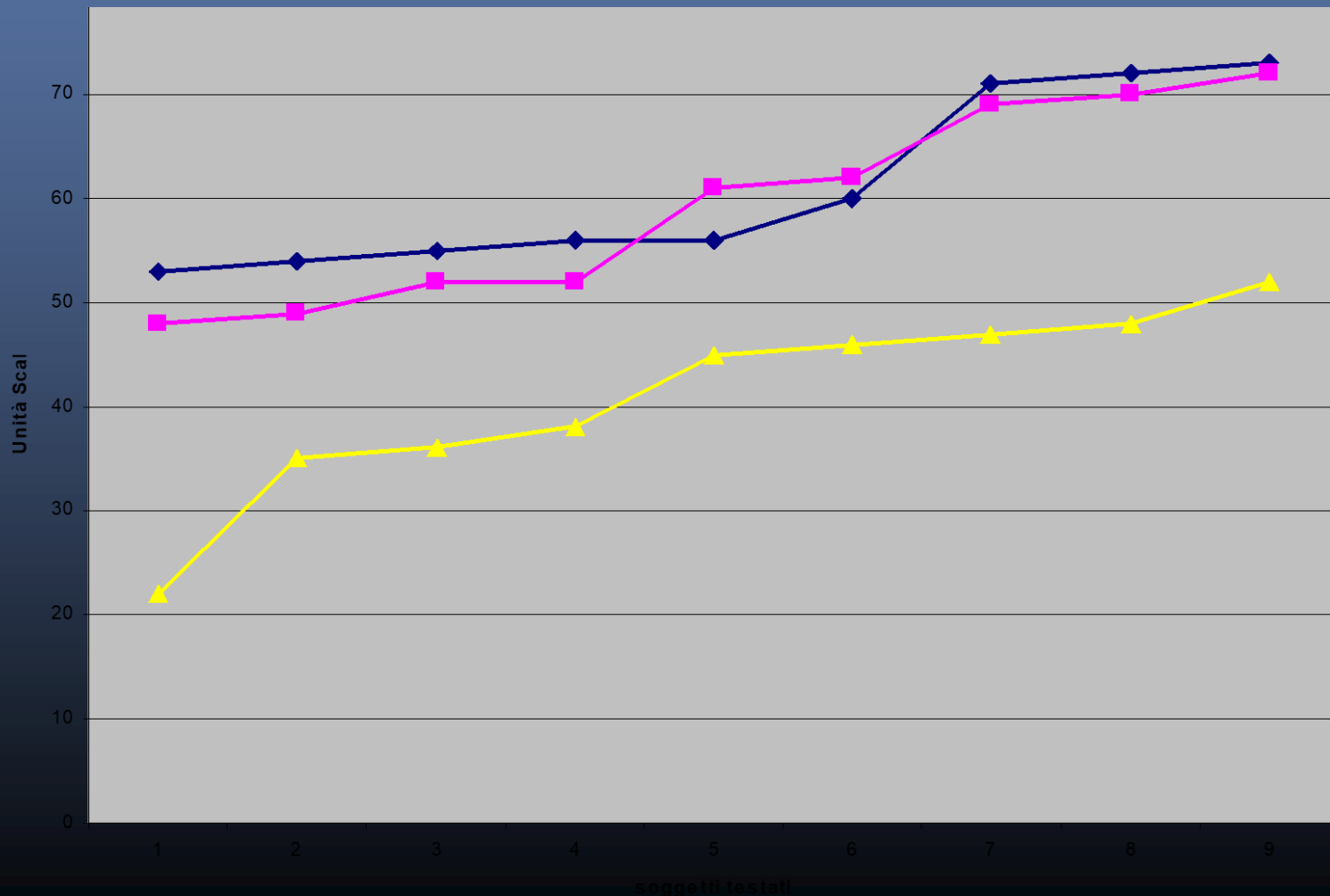
# The substrate for em and quantum signal seems to be the meridians

## The Ohm Law in Therapy and Biology

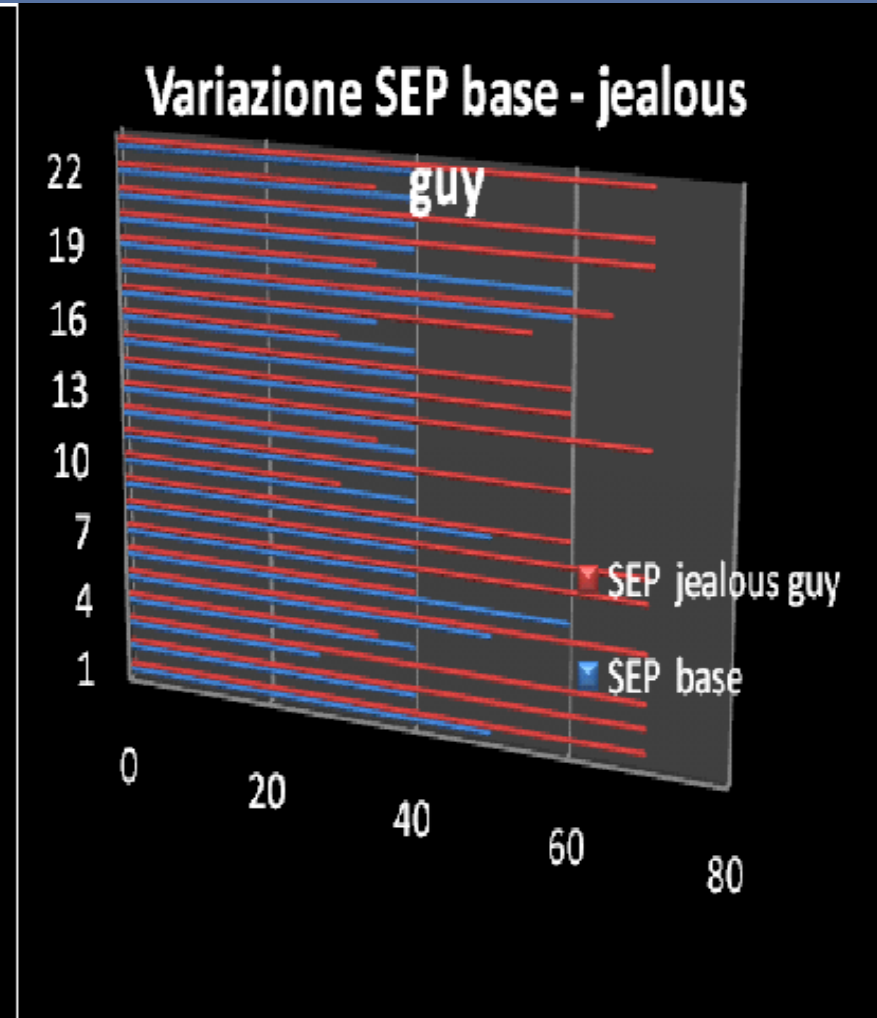
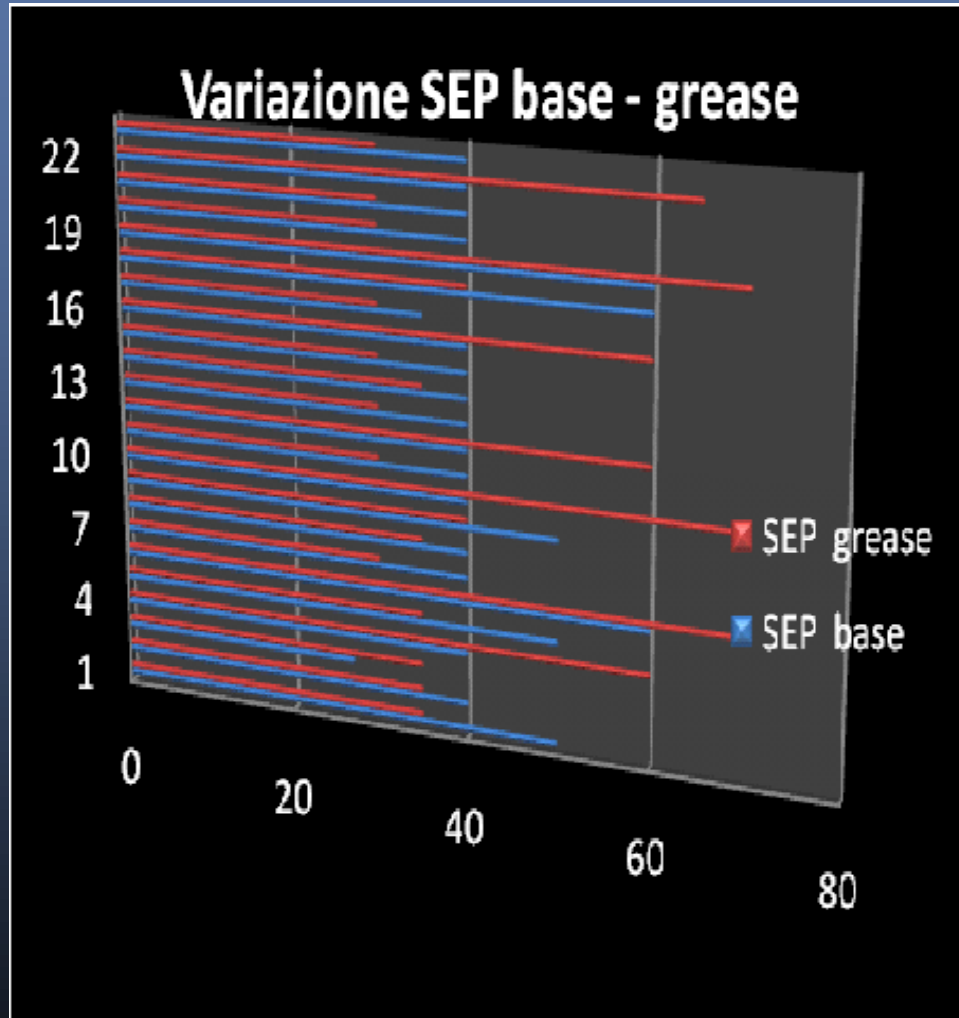
- Measures on meridians highlighted in subjects with meteoropathies and various pathologies, that the electrical resistance increased in physical electric circuits with a medium of about 43 scale unites of SEP corresponding to  $130,000 \Omega$
- “Normal” level of resistance is  $95.000 \text{ Ohm} = 50 \text{ us}$
- After the administration of a coherent therapy, we saw a resistance fall in medium at  $39,000 \Omega$  (70 us), with an improvement of bioelectric performance due to an increase of physical electric currents, in accordance with Ohm's law,  $I = V/R$
- Power in the biological system vary with  $W = V \times I$ , with functional correlations (performance status, immunological status, muscle power, pain, inflammation, allergy, dyspnea, etc.)

# Effects on the conductivity by magnetic field of cell phone antenna 10 V/mt - 900 GHz on seven men exposed in amagnetic room

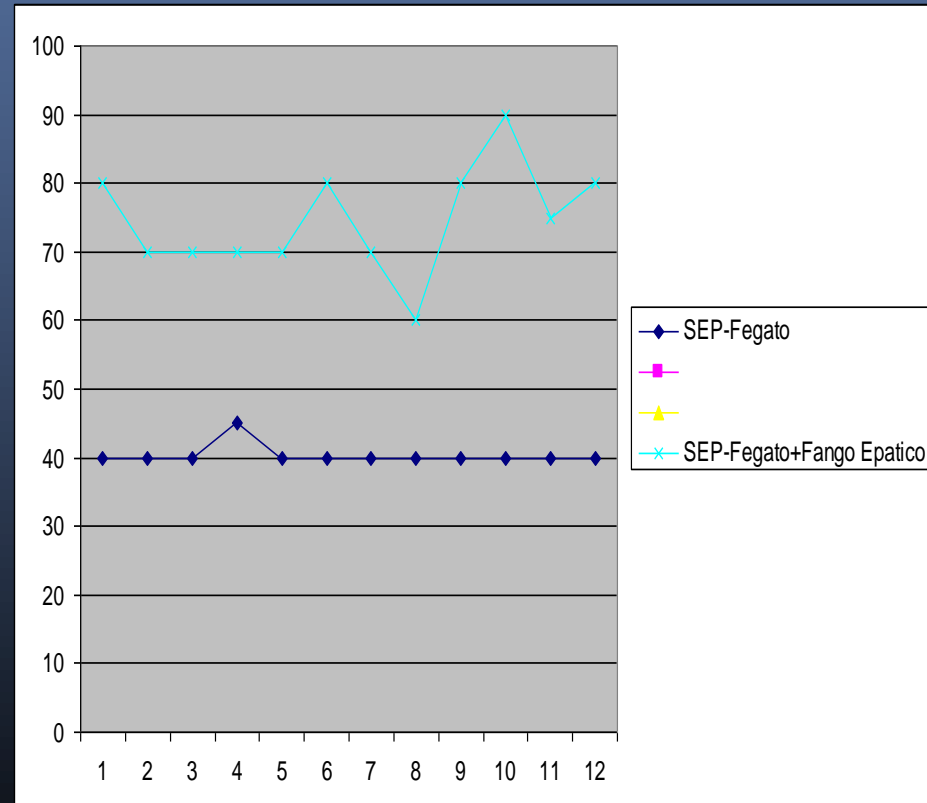
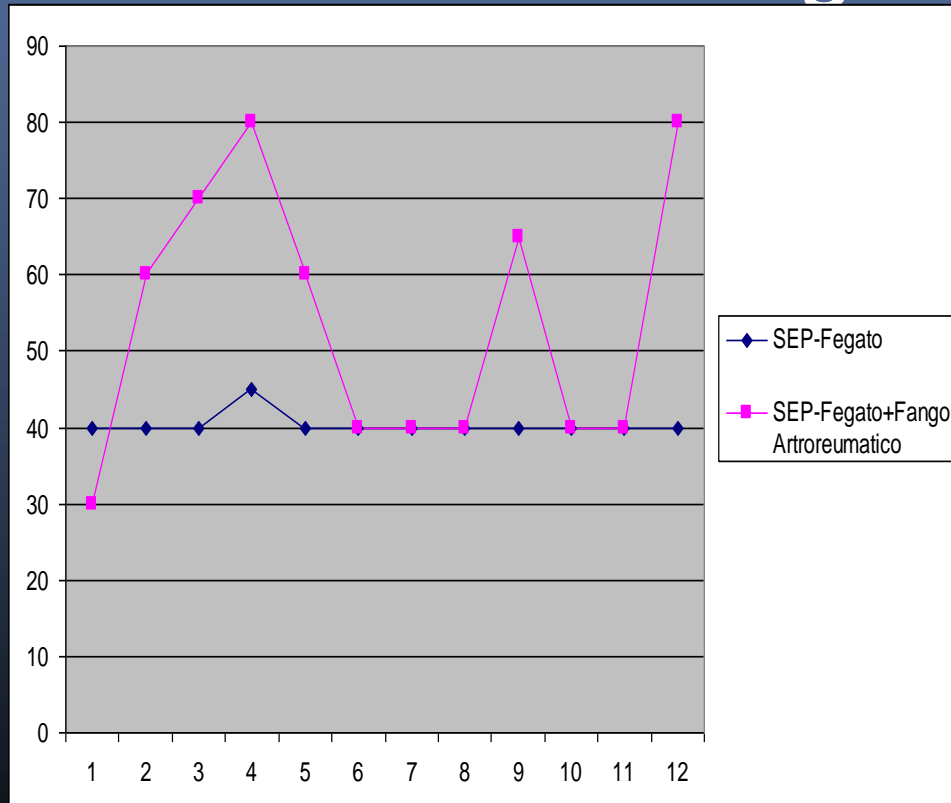
V.I.Valenzi, S. Grimaldi, G. Quartieri, G. E. Gigante; G. Mileto, G. Monaco: *Osservazioni sulle variazioni bioelettriche nell'uomo indotte da campi elettromagnetici in camera amagnetica*. Ricerca Aerosp. Pag. 33-38, Anno XXI- N. 1. 2005



# BEATLES AND J. TRAVOLTA SEP EFFECTS



# Mud therapy and rheumatic and meteoropathic pain: muds are not all the same! N.B. The measure was made with signal of mood...

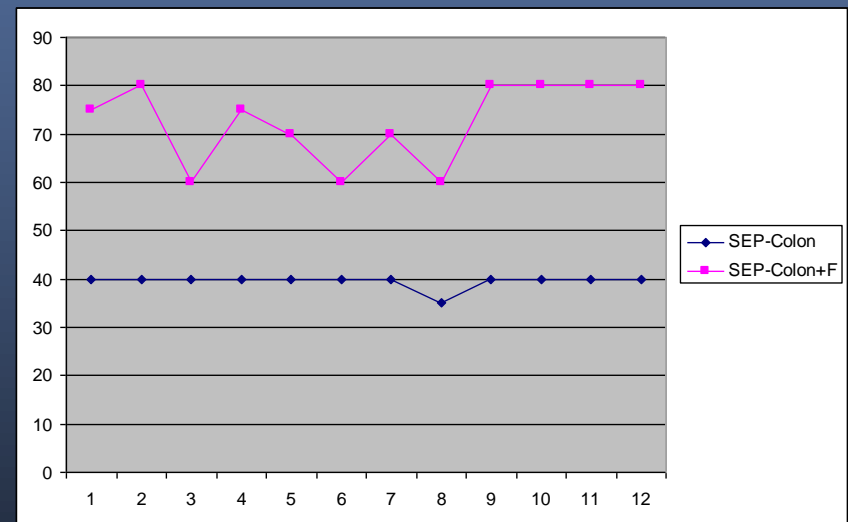
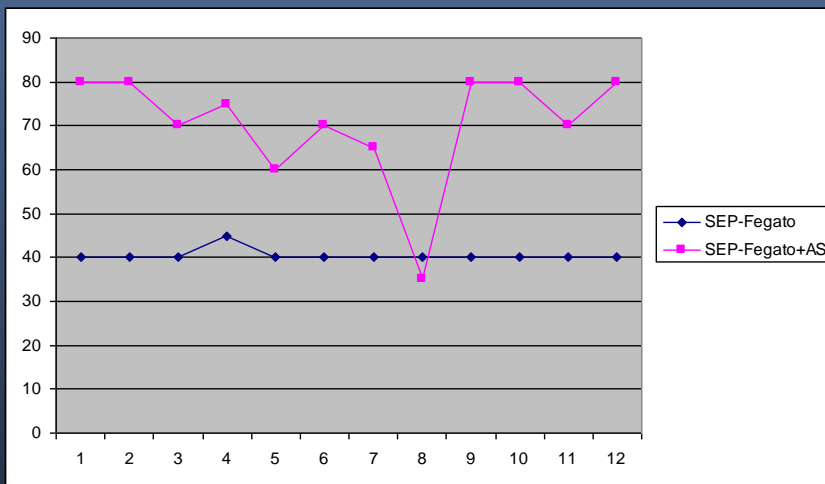




# SEP variations on subjects with chronic constipation in hydropinic treatment with molecular signaling of water

A. Pisani, V.I. Valenzi, M.C. Lucchetta, M. Grassi, A. Serio, P. Avino, M.V. Russo, A. Fraioli

VII International Conference “Cosmos and Biosphere”, 1-6 October 2007, Sudak, Crimea

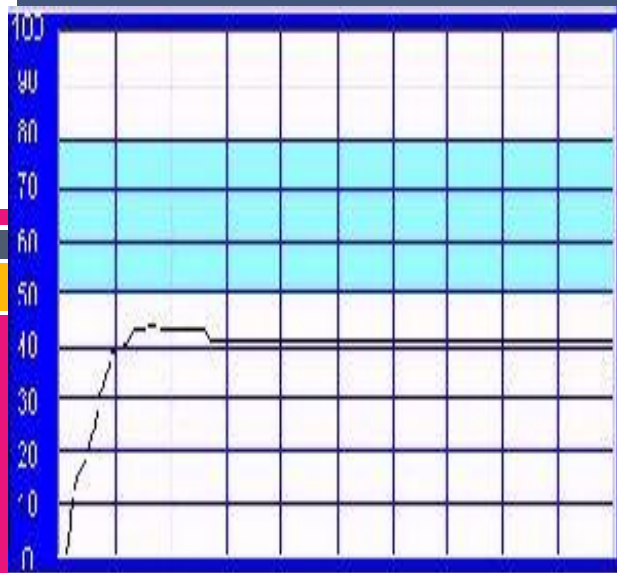


Skin Electric Parameters and molecular signaling of drug  
*DRUG EFFICACY AND/OR INTOLERANCE IN METEOROPATHIC  
OSTEOARTICULAR DISEASES WITH 8 FANS TESTED*

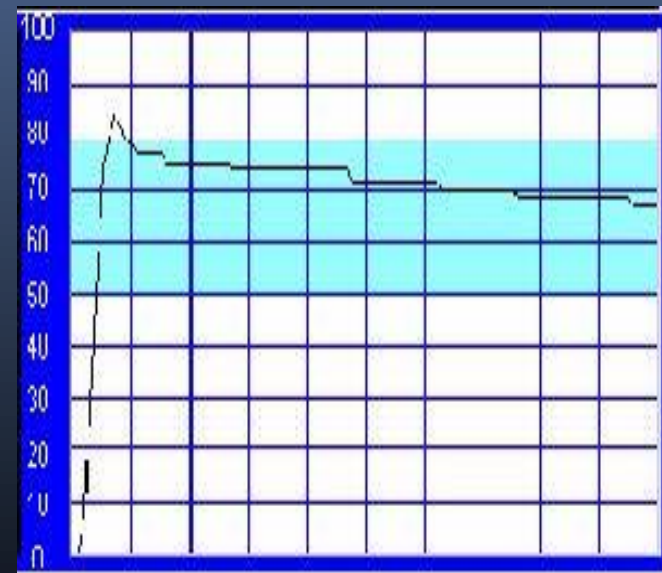
<http://web.tiscali.it/numedi/arc2002/0902/12.html>

V.I. Valenzi and M.L.Roseghini

**Without drugs**



**After Nimesulide 1,5 cm max far from body**



# Potential Vector

The enigma of molecular signal..

*The Potential Vector extends to a nearby large area, without transporting energy but just information, exerting a "fine influence", we could say "informatica", that alters the phase of the present coherent systems.*

*Giuliano Preparata & Emilio Del Giudice*

*(Scienza e Conoscenza, 17/2006)*

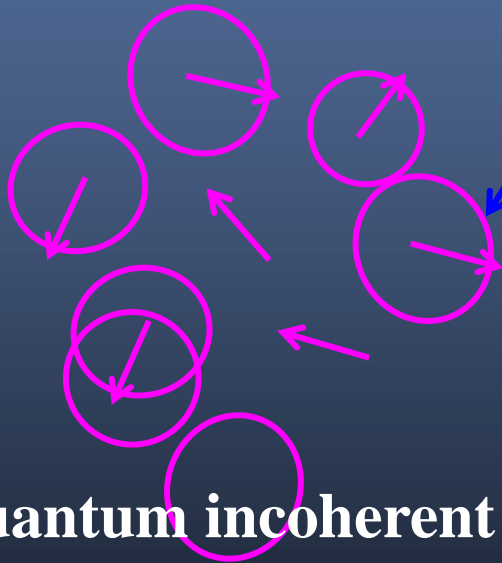
# Quantum Coherent Interactions

Luca Gamberale

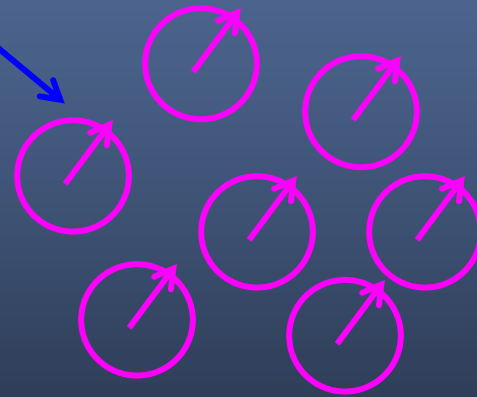
Pirelli Labs - Materials Innovation Advanced Research  
(Milano, Italy)

N scatters

Quantum phase



Quantum incoherent  
Cross section like N



Quantum coherent  
Cross section like  $N^2$

$N \sim 10^{23}$

!!!

# Vector Potential in Puthof's Patent 5845220

- "with advent of quantum theory, however, the traditional picture change. In the prior art literature, the (vector and Scalar potentials  $A$  and  $\Phi$ ) formalism has emerged as more fundamental because it predicts certain quantum interference effects that have been observed and are not apparent from the  $(E, B)$  approach. This difference was first set forth in an unequivocal way in a seminal 1959 paper by Aharonov and Bohm, entitled **Significance of electromagnetic potential in the quantum theory**" Physical Review 1959 and 1961.
- In these papers it is shown that in certain two-leg electron-interferometer configuration in which the potential  $A$  and  $\Phi$  are established in a region of space, but  $B$  and  $E$  are absent. It is nonetheless possible for the potentials  $A$  and  $\Phi$  induce changes in electron quantum interference patterns.
- That is, electron that are in an electromagnetic field-free region and therefore do not encounter an electric or magnetic field are nonetheless acted upon by the presence of the  $A$  and or the  $\Phi$  potentials.

# Vector Potential in Puthof's Patent(2)

- *Such an effect is now referred to broadly as a Aharonov-Bohm effect, and devices have been built which demonstrate this effect in laboratory. For a recent overview, see, Y Imry and R. A. Webb, "Quantum interference and the Aharonov-Bohm effect" Scientific American" 260 (April 1989).*
- *A second quantum interference effect demonstrates the independent reality of the  $(A, \Phi)$  potentials in the absence of the  $(E, B)$  fields (and one which is significant for the technology disclosed by Puthof) is a single-leg electron interferometer effect known as the Josephson effect; see R.P. Feynman, The Feynman Lectures on Physics 1965) The Josephson effect is based on the fact that the current density  $J$  through a Josephson Junction (which consists of two superconductors separated by a thin insulator) is determined by the magnitude of the potential  $A$  and  $\Phi$ , independent of whether  $E$  or  $B$  are present.*

# INFLUENCE OF A VECTOR POTENTIAL ON A HIV REPRODUCTION IN T-LYMPHOCYTES IN VITRO

Pokidysheva L.N., Trukhan E.M., Titova I.V., Miller G.G.

## Abstract

- The examination of a field free vector potential (VP) influence on HIV reproduction in a T-lymphocytes in vitro is presented. Two variants of the tissue culture cells, infected by HIV were used: a human peripheral blood Tlymphocytes (PBL) and a human T-lymphoblastoid cell line MT<sub>4</sub>. The cultures were exposed to a VP during 0,5 and 1,0 hour before or after they were infected by 100 units per cell of a lymphotropic strain of HIV(R5/LAV-1).
- Some effect of a VP on the mentioned above biological systems was revealed. Some distinctions of cell proliferation index (PI) between the PBL and MT<sub>4</sub> were found. Slight increase of PI in PBL may be conditioned by wide presentation of signal Toll-2 (IL-1) receptors on the cell surface, which induce the expression of early dividing genes, whereas they are very rare on the surface of MT<sub>4</sub> cell line. However the viral pathogenicity was higher in aMT<sub>4</sub> cell line. The phenomena required subsequent evaluation.
- Conference Yalta-Gourzuf 6 june 2008

# COULD WE INCREASE SAFETY IN AIR, WATER, DRUG FOOD ??

We could develop a personalized approach to MCS, air pollution, drug and food intolerance, based on hyperconductive effects measurable directly with

- ohm device
- kinesiology
- other system

by the way medical doctor can check therapy and manage resistance of fans, cortisone, antihistamine, antipertensive drug, and all the drug and nutraceutical non conventional Electromagnetic therapy with specific frequency, etc.



# Controlled test double blind

▪ In the last study in preparation of double blind trial, we have observed in twenty allergic patients, that the association of an antihistaminic drug (loratidine, mizolastine, cetirizine ecc) with a cortisone drug (betametasone, mometasone, deflazacort), driven from the SEP (Skin Electrical Parameter), give an 90/% of regression of the symptoms allergic (rhinitis, ecc). This results are obtained from patients, without intake of drug, but with the utilise of the drug for electrodynamics action, with application of the drug external to the body. The development of intolerance to the drug, seems strongly correlated to the fall of the conductance in the body. The substitution of drugs with the improvements the conductance, is correlate to immediate regression of intolerance and allergic symptoms.

# RISK/BENEFITS RATIO IMPROVED

- we have the chance to relance the use of great drug as cortisonic , fans, antibiotics that today in the total paradox are not full used when they need more, for example after dental surgery, in great infection and inflammations ecc .
- To measure effect of extremely low concentrate drug or better to use the signal s of drug in farmacoelectrodynamics approach
- To detect therapeutically effects of some climate in mountains and Sea areas .
- To evaluate the therapeutical property of water

# COST/BENEFITS RATIO IMPROVED

WE CAN LOOK FOR A PERSONALIZED THERAPY THAT CAN USE ALSO THE SIGNALLING OF DRUG IN SOME CASES AND SOME STATES OF PATHOLOGIES?

- WE CAN SAVE MONEY
- **WE CAN INCREASE SAFETY IN OUR LIFE AND IN OUR SOCIETY .**
- IT'S URGENT TO DEVOTE GREAT RESEARCH TO DEVELOP THIS CHANCE .
- I HOPE THAT WE COULD WORK TOGETHER!

# References

- **V. I Valenzi, B. Messina** Proceedings meeting on: *The role of quantum electro dynamics in medicine*. Rivista di Biologia/Biology Forum 93 (2000) pp. 267-312. <http://web.tiscali.it/numedi/arc2002/0902/12.html>;
- **V.I.Valenzi, G.Monaco, S. Spada, P. Cimaglia, L.Petraccia, S.Palmieri, B. Messina M.Grassi:** *Ruolo dei SEP (Skin electric Parameters) nello studio delle meteoropatie*, Annali di Medicina Interna, 2003: 18, 164S - Proceedings Congresso SIMI Vincitore Premio CECIL
- **A. Pisani V. I. Valenzi , M.C. Lucchetta, M. Grassi, A. Serio P. Avino, M. Russo, A. Fraioli** *SEP variations on subjects with chronic constipation in idroponic treatment*. VII Intern. Conference "COSMOS AND BIOSPHERE":1-6/X 2007Sudak Crimea- Benveniste Award
- **Allan Widom, Yogi Srivastava, Vincenzo Valenzi** : *The Biophysical Basis of Water Memory*. International Journal of Quantum Chemistry (Wiley and Sons), Published on line May 19, 2009[DOI: 22140];

# Debate on Coherence and quantum chemistry

■>>> <http://www.vimeo.com/10883097>

>>> Colloquio con LARISSA BRIZHIK Istituto di Fisica teorica di Kiev

>>> <http://www.vimeo.com/10761564>

>>> Colloquio con Vladimir Voeikov Chimico Organico Lomonosov University Mosca

■>>> [www.colombre.it/montagnier](http://www.colombre.it/montagnier)

>>> Colloquio con Luc Montagner

■

>>> <http://vimeo.com/11108801>

>>> Colloquio con Settimio Grimaldi - CNR Roma  
Francesco Bordino.

Involves

■THE DISCUSSION CONTINUE....





2012/10/16