



DIPARTIMENTO DI MEDICINA INTEGRATA UNIFEDER
ASSOCIATION JACQUES BENVENISTE POUR LA RECHERCHE
BIOELECTROMAGNETICS SECTION CIRPS  
AYUSH VALLEY FOUNDATION Kerala 

With the free sponsorship of

 
Fondazione Internazionale Biomedica

COHERENCE 2021

Friday 26 November 2021 14.00-20.00

Casa dell'Aviatore

Viale dell'Università, 20, Roma

In presence and online conference

NEW FRONTIERS IN BIOELECTROMAGNETISM

THE ENIGMA OF POTENTIAL VECTOR

IN BIOLOGY, THERAPY, FUTURE HEALTH & CARE AND CLIMATOTHERAPY
FROM MICRO TO MACRO, FROM AYUSH ORIENTAL TRADITIONS TO OCCIDENTAL
MODERN SCIENCE AND IMPLICATIONS FOR THE 5TH INDUSTRIAL REVOLUTION
AND BEYOND

Continuing works of COSMOS AND BIOSPHERE 5/2021

<https://iopscience.iop.org/issue/1755-1315/853/1>

Information & Registration:

vinvalenzi@gmail.com Tel./WA +39 331 13 14 80
madan.thangavelu5@gmail.com Tel./WA +44 7830300720

Program

Opening of the works

Gen. Prof. Stefano Murace President FUTURA Onlus Fondazione Internazionale Biomedica
Jerome Benveniste President Association Jacques Benveniste Pour La Recherche
Salvatore Maria Mattia Giraldi Rettore Federiciana Università Popolare
Madan Thangavelu President Ayush Valley Foundation

Moderator of the Works : Vincenzo Valenzi

1° session 14.30-16.30 *From Ippocrate to Chichesky, From Messini to Piccardi, from Razzouk to Berevzosky, the role chemical physics of atmosphere on infectiose diseases, meteoropaties and climatotherapy.*

History of climatotherapy & chronobiology and current state of play

Germaine Cornelissen-Guillaume, PhD · Professor, Department of Integrative Biology and Physiology (IBP), University of Minnesota Twin Cities

Cosmic Weather and influences on Health

Sergei N. Samsonov, Svetlana Rogacheva, Mary Ragulskaya

Institute

of Cosmophysical Research and Aeronomy, Laboratory of magnetosphere-ionosphere research, Russian Academy of Sciences, Yakutsk, Russia Yuri Gagarin State Technical Univ of Saratov

Solar physic and Solar-Terrestrial Relations Department, Institute of Terrestrial Magnetism and Radio Wave Propagation RAS, Kaluga Highway 4, Moscow, 108840, Russia;

Chemical Physics of Atmosphere, Air, Water, Pollution and Health

Pasquale Avino PhD, Mario V. Russo Dipartimento di Agricoltura, Ambiente e Alimenti, Università del Molise

Electromagnetic Fields Virus And Bacteria

Massimo Scalia, Massimo Sperini, Francesca Pulcini, Agata Fantauzzi, Lorenzo Uhl, Albina Pisani, Mauro Santilli

CIRPS (Interuniversity Research Centre for Sustainable Development), Sapienza University of Rome (<http://www.cirps.it/sez-bem/>)

The contribution of Hassan Razzouk in the systematic treatment of respiratory diseases

Nouredine 'Nourie' Gharbi MD, Pneumologist, MEDECIN COORDONNATEUR NATIONAL ORPEA-CLINEA, Puteaux, Île-de-France, France (<https://fr.linkedin.com/in/nouri-gharbi-83b9093a>)

Environment and virus interactions. Towards a systematic therapy of COVID

Giulio Tarro Former Head department of V virology of Cotugno Hospital Naples

<http://www.giuliotarro.it/wordpress/qualcosa-di-me/curriculum/sintesi-del-curriculum-eng/>

2° Session 16.30-18.00 *THERMODYNAMICS BETWEEN 1 AND 2 PRINCIPLE AND THE EMERGENCY OF ORGANIC AND INORGANIC COMPLEX SYSTEMS*

Complex Systems and Coherence from Erwin Schrodinger to Giuliano Preparata, from Ylia Prigogine to Giorgio Parisi

Luca Gamberale Milly Moratti LEDA (Laboratori di Elettrodinamica Avanzata) Milano IT

Comparison between natural and artificial complex architectures

Ubaldo Mastromatteo former Senior Scientist STMicroelectronics President Argal Association www.argal-research.it

Experimental evidence of the limits of the axiom relating to the Second Law of Thermodynamics, and reflections on the motive power of ambient heat

Maurizio Vignati Department of Integrative Medicine and Biophysics UNIFEDER www.cimb.me

Influences of environmental conditions on free radicals and oxidative stress.

Luigi Campanella Chemistry Department Sapienza University Rome

Some data from labs and clinics on the reactivation of enzyme and biochemical memories on pathophysiology and therapy with some nutraceuticals.

Dr. med. Manfred Doepp Holistic-Center, Hauptstr. 17, CH 9030 Abtwil, www.holisticcenter.ch

3° Session 18.00-20.00

THE ENIGMA OF POTENTIAL VECTOR IN MATTER AND THE BIOELECTROMAGNETIC INTERACTIONS IN BIOLOGY, THERAPY, FUTURE HEALTH & CARE

Viral genomics electrodynamics and its implications for vaccine and therapy

Allan Widom(1), Madan Thangavelu (2), Vincenzo I. Valenzi (3)

(1) Department of Physics NEU Boston USA

(2) Molecular Genetics Cambridge UK PhD , Transdisciplinary University, Bengaluru, (<https://tdu.edu.in/>) and Ayush Valley Foundation, Kerala, India (<https://ayushvalley.org/>)

(3) BEM Section CIRPS (Interuniversity Research Centre for Sustainable Development). Department of Integrative Medicine and Biophysics UNIFEDER www.cimb.me

- *The Origin of Potential Vector and its role in condensed matter in water and in Life.*

Svetlana von Gratowski , Victor Koledov Institute of Radio Engineering and Electronics Russian Academy of Sciences

Teletransport by means Entanglement and its applications

Fulvio Bongiorno Mathematics Mercatorum University Rome IT <https://bit.ly/3AoURGQ>

On the mechanism of actions of drug with high dilutions and low doses in

pharmacology. New data of laboratory and clinics *Gino Santini* “Direttore ISMO, Istituto di Studi di Medicina Omeopatica - Segretario Nazionale SIOMI, Società Italiana di Omeopatia e Medicina Integrata”

Mechanism of regulations of bioelectrical activity of heart and its monitoring with HRV devices

Konstantin Aptkin (1), Vladimir Petrukin (2)

(1) Institute of Gerontology National Academy of Science Ukraine

(2) Moscow Institute of Physics and Technology, Moscow (MIPT)

Conclusions *Vincenzo Valenzi* *Madan Thangavelu*

http://www.iimb.me/files/2021_03_02-ISIMF-10.pdf

Dinner 40 euro please reserve before 20 November

To participant: free registration is request via email or whatsapp, telegram. Limited places.

Covid regulations is applied

MATERIALS FROM COHERENCE 2020

<http://www.iiimb.me/atti-di-coherence2020.html>

THE CRISIS OF THE DOSE PARADIGM AND THE NON-LINEAR INTERACTIONS: THEORETICAL AND APPLICATIVE DEVELOPMENTS OF THE EXPERIMENTS OF JACQUES BENVENISTE

<https://www.nature.com/articles/333816a0>

Some considerations on 21 years of COHERENCE

The "COHERENCE" Conferences on THE ROLE OF Q.E.D. IN MEDICINE was initiated by two physicists, late Professors Giuliano Preparata (10 March 1942, Padua – 24 April 2000, Frascati) and Emilio Del Giudice (1 January 1940, Naples – 31 January 2014, Milan). The two physicists shared a common passion, namely, the subtle in physics and biology: the unresolved issues of the subtle in physics and biology, the expressions of the subtle in the physics-biology interplay and expression of the subtle at the interfaces where physics and biology interplay. The first COHERENCE conference 20 years ago and the events since were held in Italy's prestigious and famous Sapienza Università di Roma, The Sapienza University of Rome (founded 1303). Noteworthy was the 2002 Conference in honour of Giuliano Preparata held in the Rector's Conference Room, with, a Keynote presentation by Jacques Benveniste.

The Benveniste Nature publication of 30 June 1988 continues to be one example of high controversy in the science of the subtle, and the subtle in physics and biology and its interfaces. The controversies raised by this paper remain unresolved three decades and more after publication. The reception offered soon after publication and the manner of events that followed this divided the scientific community, widened further the differences between the followers and the sceptics of homeopathy; the phenomenon seems today to have a common pharmaco-electro-dynamic mechanism with the mode of action of allopathic drugs. The wounds from 1988 are still fresh in the scientific community and the mysteries and the question of the memory of water and its applications continues to draw immense attention, criticism and prejudiced outcry. Water, the very material foundation of Life, remains a poorly understood phenomenon and continues to pose one of the stiffest challenges at the frontiers of science.

The JACQUES-BENVENISTE AWARD was established by the **Association Jacques Benveniste pour la Recherche** in 2007 in the context of the International Conference on Cosmos and Biosphere, held every two years in Crimea, with the aim of recognizing the best work on life science and water. Scientists at the highest academic levels in the great universities worldwide both in the West and in the East who are working at the frontiers of science contend for the JACQUES-BENVENISTE AWARD. Events in the recent past have prevented the award of the prizes, including opportunities presented at the most recent editions, 2017 & 2019, of the Crimean COSMOS & BIOSPHERE Conferences. COHERENCE 2020 in Rome, 12 March 2020, provided the opportunity to present the outstanding awards.

The 2020 COHERENCE conference was also an opportunity for the Scientific Community to gather and exchange ideas, theories and experiments and to find ways to overcome the unfortunate walls and divisions within the sciences about water and also other areas of science and also between ideologies, the state and policy and more. The conference will bring together men and women in their common efforts on some controversial topics of strategic interest in the Life Sciences and Public Health.

The link between AYUSH tradition and Modern Science

Does science have limits? Where does order come from? Can we understand consciousness? Written by Nobel Laureate Leon N. Cooper, this book places pressing scientific questions in the broader context of how they relate to human experience. <https://www.cambridge.org/gb/academic/subjects/physics/history-philosophy-and-foundations-physics/science-and-human-experience-values-culture-and-mind?format=HB>

Advent of a Link between Ayurveda and Modern Health Science: The Proceedings of the First International Congress on Ayurveda, "Ayurveda: The Meaning of Life—Awareness, Environment, and Health" March 21-22, 2009, Milan, Italy <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2958631/>

Some contradictions in the 2° principle of thermodynamics negentropy and syntropy.
<https://www.mauriziovignati.com/global-warming/>

For information and registration, please contact:

Vincenzo Valenzi | vinvalenzi@gmail.com | Tel./WA: 0039 331 13 14 80 madan.thangavelu5@gmail.com +447830300720
<http://jacques-benveniste.org> www.cimb.me <http://www.cirps.it/en/bem-section/> <https://ayushvalley.org/>

Materials on Vector Potential

From 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 Φ) formalism has emerged as more fundamental because it predicts certain quantum interferer 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 Φ are established in a region of space, but B and E are absent. It is nonetheless possible for the potentials A and Φ 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 Φ potentials.*
- *Such an effect is now referred to broadly as a Aharonov-Bohm effect, and device 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 demonstrate the independent reality of the (A, Φ) 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 consist of two superconductors separate by a thin insulator) is determined by the magnitude of the potential A and Φ , independent of whether E or B are present.*

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- 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.

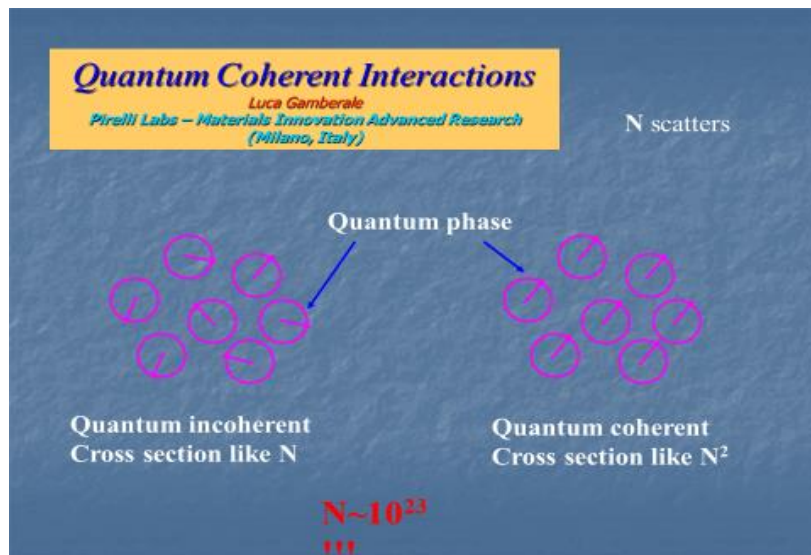
Abstract

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 MT4. 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 MT4 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 MT4 cell line. However, the viral pathogenicity was higher in aMT4 cell line. The phenomena required subsequent evaluation.
- *Yalta 2008*

Giuliano Preparata & Emilio Del Giudice on Potential Vector

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. (Scienza e Conoscenza, 17/2006)



Extremely Low Frequency Ion Cyclotron Resonances on the Surface Boundaries of Coherent Water Domains

Allan Widom Physics Department, Northeastern University, Boston MA USA

Abstract

Pure Water under standard pressure, temperature and dilute solution conditions contain coherent Preparata-Del Giudice domains approximately a tenth of a micron in size. Ions of charge $q = Zej$ can be confined to the surface boundaries of coherent water domains. Solving for the motion of ionic charges confined to surfaces in a uniform magnetic field $B = \text{curl}A$ it is shown that there exist resonances scaled by the ionic cyclotron frequency $\omega_c = (qB/Mc)$. The surface classical ionic motions described by the vector potential lagrangian $L = (M/2)v_v^2 + (q/c)v_v \cdot A_v$ are integrable for a spherically symmetric surface. The resulting extremely low frequency (ELF) resonant modes are only weakly damped by fluid viscosity due to the small length scales of the confining surface and these modes are of importance in biophysical processes.

<http://www.iiimb.me/files/5-06-05-20-PotentialVector--MeridiantechTROISI-F.pdf>

5 Conclusions

The Bohm and Aharonov results can have applications in biological systems. Drug delivery could be revolutionized, because if some damaged tissues could feel the presence of molecular signals of drug, whose information would be carried by the potential vector, these could be effective simply they would be effective simply if they were placed in contact with the human body skin, without the need to be ingested. In addition, potential vector could carry some information about the presence of electromagnetic signals in meridians, which will be at the basis of meridian technology. FT

MATERIALS AND CONTRIBUTIONS FROM COHERENCE MEETINGS

<http://www.cimb.me/materiali.html>

<https://www.researchgate.net/scientific-contributions/Victor-Koledov-2144575168>

<https://www.ncbi.nlm.nih.gov/pubmed/11383509>

<http://www.22passi.it/downloads/biorisonanza/qeddefinitivo.pdf> L'ULTIMA CONFERENZA DI G. PREPARATA

<https://www.vglobale.it/?s=COHERENCE> REPORT ON COHERENCE

<https://www.vglobale.it/?s=Award+benveniste> REPORT ON AWARD BENVENISTE

<https://youtu.be/CuQtvjBuavI> colloquio Valenzi Montagnier, Lugano 2007, Benveniste Archive

