

Rough Research: Quantum Biology

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A summary of the main ideas presented in the paper
The Biological Effects of Quantum Fields by Glen Rein
Rein_beqf.com

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Rethinking neural networks: quantum fields and biological data Pribram

Concerning the question of coherence in biological systems
<http://www.springerlink.com/content/6nq287142671p414/>
critique and rebuttal Popp and Nagl

Is there a biology of quantum information?

Link too long: google topic

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T2K-3YXB192-6&_user=10&_coverDate=02%2F29%2F2000&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_searchStrId=1289938193&_rerunOrigin=google&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=e1a79c56b120a9688fb0b0c839b4fdeb

can have access to this for 24 hours for \$4 using deep dyve

Nutri-Energetics Systems

Introduction to Quantum Biology

http://www.nutrienergetics.com/tech_qbi_paper.html

on site:

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quantum biology:

The results of Aspect's experiment clearly showed that subatomic particles once coupled and then separated are still connected at some fundamental level. A more recent experiment into quantum entanglement, as reported in the June 2003 edition of *New Scientist*, was carried out by researchers in Austria, led by Marcus Aspelmeyer. They

successfully sent entangled photons to opposite sides of the Danube River without the use of optical fibers.

David Bohm and his research student, Yakir Aharonov performed an experiment back in 1959 that supported this view. Now described as the Bohm-Aharonov (AB) effect, they found that in certain circumstances, electrons are able to "feel" the presence of a nearby magnetic field, even though they are traveling in regions of space where the field strength is zero. This example of quantum interconnectedness and others led Bohm to develop his theory regarding an "implicate order"

Since this discovery, sound experimental evidence has been published to show that DNA is one of the sources of biophotons, and that there is structure to the biophotonic field. In addition, there is evidence to support the idea that biophotons are responsible for triggering some biochemical reactions in and between cells.
(where is the evidence?)

Cyril Smith concludes that living systems produce a characteristic pattern of frequencies as an expression of their electrochemical activities. These frequencies are strong enough to induce observable synchronization in tadpoles in the presence of yellow light. Smith is proposing biocommunication between organisms in the presence of light and a weak electromagnetic field. He suggests that this unseen information transfer is accomplished by the macroscopic systems relying on photon exchange in the presence of magnetic vector potentials. His theory has clear links to Popp's concept of biophotons.

Cope published a paper in 1978 showing that hydrated nucleic acids or dry melanin produce low-frequency sound in measurements of electrical conductivity when exposed to magnetic fields at room temperature. From this, he concluded that superconductivity, analogous to superconductivity in metals at very low temperatures, was occurring in living systems in the presence of a magnetic field. His overall view was that superconductive pathways play a controlling role in biological functions.

After nearly twenty-five years of research, Peter Fraser has amassed evidence for how a quantum electrodynamic field, which he calls the human body-field, underlies and controls the biochemical activities of the body. He has mapped out the "structure" of the body-field, detailing such aspects as Energetic Drivers, Integrators, and Terrains. His model shows how the overall body-field is comprised of subfields that form along with the fetus and develop as organ and organ systems develop. He has uncovered detailed information pathways in the body-field that correlate to a multitude of specific physiological processes. His theory truly is a bridge between biology and physics, and has important ramifications for explaining how the body both loses and regains health. If you would like to know more about Fraser's research, you can read the book Massey and Fraser: *The Unturned Stone*. (published in 2006) no rating on Amazon; 4 used