Impedance as red shift, schizophrenic amelioration with ultrasound, CRISPR and the death receptor

I have several brief and interesting new thoughts I wish to share.

1. Has the idea of universal expansion and its implications of hypothesized dark energy and matter ever struck you as ad hoc? It may be wrong. Let's imagine, and see!

Here is a more simple explanation...only red shift need be explained...and I may have a take on that:

http://www.sci-news.com/astronomy/science-universe-not-expanding-01940.html

Perhaps this works by varying the impedance of the transverse electric and magnetic elements of the wave.

https://en.wikipedia.org/?title=Wave_impedance

Light speed is NOT constant…think of Feynman over short distances…very short, and this new material, which postulates over long distances, virtual particulate interaction varies the rate of C, and impedance.

http://www.livescience.com/29111-speed-of-light-not-constant.html

Impedance is a function of frequency!

https://books.google.com/books?id=ZCYBCAAAQBAJ&pg=PA364&lpg=PA364&dq=impedance+light+wavelength&source=bl&ots=2KyUjnLdaN&sig=kdlmv0L6pJ2ndCmbiy-Kf1JVHxc&hl=en&sa=X&ei=SKmIVYj4F43WoASvm4ngAQ&ved=0CDkQ6AEwBTgK#v=onepage&q=impedance%20light%20wavelength&f=false

So perhaps the great distances affect the light via virtual particulate interactivity, alter impedance, and so, frequency: red shift!

2. I hypothesize: Ultrasound may be used to treat schizophrenia. There is evidence in

support. DLPFC demodulation is primary in schizophrenia. Perhaps: Controlled temperature increase may in this case augment activity in the area, and mechanical sodium channel activation generates action potentials as well. Here are a few links. rTMS appears to increase grey matter volume of DLPFC, see first link below. A combined approach is implied. There are a great many targets, and LTP and/or LTD may be encouraged across the system depending on frequency.

https://www1.wfsbp-congress.org/guest/AbstractView?ABSID=12375

http://openi.nlm.nih.gov/detailedresult.php?img=2796086_pi-5-52-g001&req=4

http://www.google.com/patents/US20140094719

3. General info: Popp asserts that chromatin is a likely source of biophoton emissions. "The most likely candidate for biophoton emission is the chromatine of the cells in a non-equilibrium state where probably the exciplexes of the DNA are essentially involved." [About the Coherence of Biophotons, Fritz-Albert Popp, Published in: *"Macroscopic Quantum Coherence,"* Proceedings of an International Conference on the Boston University, edited by Boston University and MIT, World Scientific 1999.]

Chromatin and heterochromatin are different. [Scientific American, vol. 304, #2, Feb, 2011, pp. 68-73]. Heterochromatin is found more predominantly close to the nuclear periphery, chromatin more toward the center (in a general way). Although both are but collections of DNA wrapped around many a histone "spool"… heterochromatin is more tightly formed, and is much less active. Please recall the fact that much cancer is due to "translocations." I imply: These translocations, must create improper scattering of coherent light, as a carcinogen.

Please recall the fantastic new CRISPR technology!

https://en.wikipedia.org/wiki/CRISPR

Please recall that cells have death receptors.

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2698650/

http://www.ncbi.nlm.nih.gov/pubmed/14636884

Could the new CRISPR method, which mimics bacterial defenses using the Cas9 enzyme, and a powerful single RNA guide hold the answer? This technology can identify

targets and splice in mutations.

a. Could the translocation be identified, and CRISPR used to splice in a mutation which turns on a death receptor in the target cancer cell?

b. Could the translocation be identified, and the chromatin be converted to heterochromatin, turning off the cancerous reproductive gene?

c. Could CRISPR be used to destroy the cancer cell, or remove the improper formative process, as it has done with AIDS? [Scientific American, vol. 311, #6, Dec. 2014, p. 46].

Please do consider these thoughts, and let me know if you have anything to add, or suggest.

You may contact me through the staff contact page at *Mind* magazine:
http://www.mindmagazine.net