

THE BIOENERGETICS OF LYME DISEASE

How the bugs avoid treatment and stay alive.

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1) Survival of the fittest



2) Light Communication and Bacteria



3) Bacterial synergism



4) Quorum Sensing

ROADMAP





- ▶ Borrelia Burgdorferi are living creatures that want to survive, to live, to thrive just like us.
- ▶ This is a truth that chronic Lyme patients know all too well.
- ▶ In order to survive, these bacteria learn to:
 - ▶ Adapt, overcome, and improvise
 - ▶ Communicate
 - ▶ Form communities.
- ▶ Understanding Borrelia's will to live can help you understand how to heal.

SURVIVAL OF THE FITTEST

- ▶ For any long-term relationship to last, it must involve communication.
- ▶ One of the major forms of bacterial communication involves light particles, photons.
- ▶ Just like your fiber optic internet cable uses light to bring in data, the bacteria use light to pass information back and forth.
- ▶ These light emissions, photons, are species specific.
- ▶ Helps the bacteria to find food, evade the immune system or treatment, and move around the host's body.

COMMUNICATION



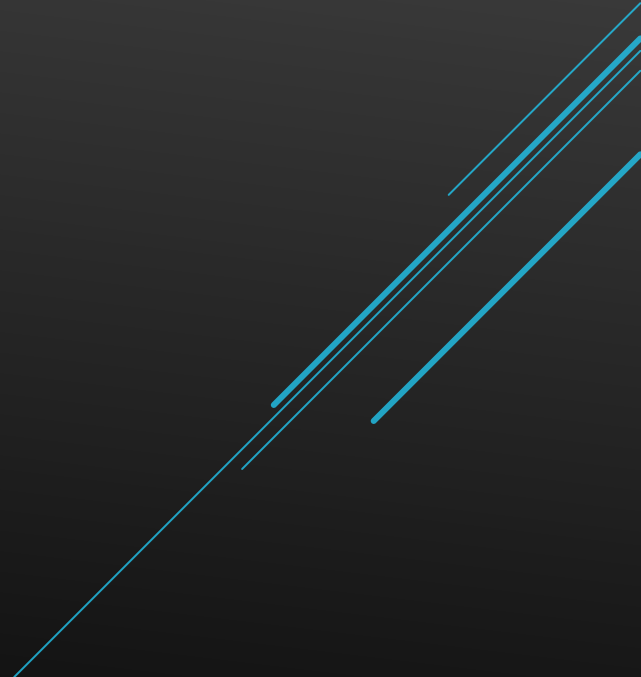
- ▶ If the bacteria use light to stay alive, we can use light to clear them out.
- ▶ Using energetic methods, we can begin to test light's affect on the body, the immune system, and the overall microbial field. (Neurophotonic Therapy).
- ▶ Biofeedback testing allows us to see which types of light strengthen the body in the presence of bacterial frequencies, allowing us to utilize light to disrupt this system.
- ▶ Utilize frequency-specific laser therapy to support the immune system in dealing with specific bacteria, such as borrelia.

DISRUPTING COMMUNICATION

- ▶ Time has shown that Lyme Disease is often more than a borrelia infection. It comes with a whole team of co-infections.
- ▶ Bartonella, Babesia, Rickettsia, Mycoplasma, Ana plasma, Ehrlichia, Parasites, HHV-6, CMV, and many more infections can come bundled up with the Borrelia.
- ▶ These bugs work together to make each other stronger, to weaken the host, exacerbate symptoms, and perpetuating illness.
- ▶ If they weren't creating so much suffering, I'd say it's really quite fascinating and beautiful.

BACTERIAL SYNERGISM

BREAKING UP THE BAND

- ▶ To deal with bacterial synergism, you need to support the immune system in dealing with, at the very least, the major infections involved.
 - ▶ These would require a way to test the body's response to treatment in real time as well as the bacterial frequencies that are affecting the body. (Bio-Spectral Emissions Sequencing).
 - ▶ You may need to adjust your approach often to stay ahead of the co-infections.
 - ▶ Need to modulate the host's immune system for better regulation of the bacterial environment. (Don't give them a reason to stay).
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QUORUM SENSING

- ▶ A form of BACTERIAL SYNERGISM is Quorum Sensing.
- ▶ The ability for bacteria to communicate within their own species and with other species (such as co-infections).
- ▶ This allows for better transition between hosts (tick to human)
 - ▶ Infections work together to overwhelm the immune system and infect the host.





- ▶ Enhances bio-film formation for protection, growth, movement, and feeding.
- ▶ Allows different species to take the forefront, which keeps the immune system from adapting and clearing the infections.
- ▶ Allows the bacteria to find food, adjust to the immune system, and up or down regulate quantity.
- ▶ Borrelia can use this ability to survive by changing shape (cystic form) or shifting its antigens to avoid detection.

QUORUM SENSING

- ▶ Breakdown bio-film mindfully. Do this slowly and strategically!!!
- ▶ Utilizing the competitive side of quorum sensing with probiotics.
- ▶ Utilize fasting to starve the bacteria and focus on wholesome foods.
- ▶ Pulse and update treatments as needed. Sometimes coming back to a previous remedy after a break.
- ▶ Support a healthy immune system.
- ▶ Utilize frequency-based medicine and real time adjustments to help the body update its “immune software.”

DE-SENSING THE QUORUM

- ▶ The Bioenergetics of Lyme Disease is really about the capacity for these bacteria to do the work of surviving inside of us.
- ▶ We are blessed with the ability to learn, adapt, overcome, and improvise just like them.
- ▶ In this vein, innovation is a cornerstone of our clinical approach in treating patients.
- ▶ We innovate on the macro-scale by developing new treatments and technologies and a micro-scale by allowing for individuality in each patient's treatment.
- ▶ Take the time to learn about what is plaguing you, about your body and its abilities, then apply it towards your treatment. Don't get stale or rigid.

BIOENERGETICS AND TREATMENT



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QUESTIONS?