

Light-Emitting Cells Determine Food Quality and Bodily Health

Discover how bio-photons radiate light from the cells of both plants and animals, and what that tells us about the health of the body and the food we eat.

Living cells emit a weak glow in the form of UV light. This is evidence of photon radiation and suggests that the presence of bio-photons may play a role in cell regulation. The process was first suggested in the early 1920s by Alexander Gurwitsch, a Russian embryologist. He called the photon emissions "mitogenetic rays" because he believed the light promoted cell growth. Due to the controversial nature of the theory and resources being diverted to the efforts of WWII, the research was ignored and finally dropped until the 1970s when German physicist Fritz-Albert Popp applied quantum optics effects to the study. He was successful in experimentally proving that living systems exist inside a coherent photon field and went on to show that "biophotons," as he called them, were responsible for cellular communication, both inside and outside the cell. He also established that biophotons were responsible for the regulation of biological functions including cell growth and differentiation. This was an astounding discovery. What Popp suggested was that light, in some manner, was responsible for life because it begins as a single cell that divides and differentiates into specialized cells.

Popp, along with Bernard Ruth, later developed a device to easily detect biophotons from both plants and animal cells. It is now being used to ascertain the quality of food. Interestingly enough, the healthiest food had the lowest biophoton emission. That's because such emissions occur spontaneously when a system is in an excited state. The photons are released to electrically rebalance the system. All systems naturally seek a state of equilibrium. Popp and others also found that simple organisms emitted the most photons, and that complex organisms, such as humans, emitted the least. By the early 1980s, Popp was able to demonstrate that the helix configuration of DNA was the source for biophoton emission and absorption. He considered this to be the process behind bio-communication throughout the body.

Popp also examined healthy people and found that their light output was balanced and followed biological, repeating rhythms of 7, 14, 32, 80 and 270 days. Cancer patients lacked these rhythms and lost their coherence. Patients with multiple sclerosis exhibited too much light and it was too ordered. The result, as he concluded, was that health was a delicate balance between chaos and order. Too much coherence would cause the system to collapse. If that idea sounds strange, consider this. When an army is marching across a bridge, they are told to stagger their steps and not to march in unison. This is because the physical structure of the bridge is being impacted by both the weight of the footsteps as well as the sound they create. If all the footsteps fell at the same time, it could possibly create two oscillating waves throughout the bridge, one of physical vibration and one of sonic vibration. If the bridge were to become resonant with those waves, it would collapse. Too much coherence (all footsteps falling at the same time) could create a destructive pattern for the bridge.

It's worth noting that Popp was fired for his initial work on biophotons. It was another twenty-five years before his original research was finally accepted as scientifically valid. It paved the way for an entirely new, multi-million dollar, internationally recognized field of study called biophotonics. Besides food quality assessment, this field focuses on a wide variety of issues including the development of medical imaging technology and advancements in neurosurgery.

Scientists in Russia also confirmed that intra-cellular communication could be conducted through light alone. When cells in a quartz dish were placed side-by-side and one of them was exposed to a toxin, the cells in the other dish would react too. This effect was not seen when two glass dishes were used. Quartz allows UV light to pass through it. Glass blocks UV light. This means that information was shared between two separate objects by light transmission alone.

Another interesting aspect of biophoton emission is that it may also provide a scientific explanation concerning auras, which are said to be the colorful energy field that surrounds every

living thing. Because the emissions are at such a low level, they are very difficult to detect and require highly specialized and highly sensitive equipment. But, to date, well over 100 different species have been shown to emit light that ranges beyond the threshold of human vision and into the low, infra-red part of the spectrum all the way through to the upper ends of ultra-violet.

The elusive scientific evidence for the existence of the "light-body," as it is referred to by intuitive practitioners, may have been contributed to by Dr. Pankratov of the Institute for Clinical and Experimental Medicine in Moscow. He has experimentally verified that the meridians, as defined by acupuncture, are conduits for light. For the most part, this light falls in the visual range of frequencies between red and white. Popp's research showed that bio-photonic emissions fell in the microwave range, well above the color spectrum visible by humans.

As technology advances and measuring devices become more sensitive, it is likely that light will be found to play a part in other biological functions as well. Thanks to Popp's work with bio-photons, it may lead to entirely new ways of viewing the body and plants with sophisticated light detectors to determine health.

Some content excerpted from [The Sage Age – Blending Science with Intuitive Wisdom](#)
© 2008 MaAnna Stephenson
Content may be used freely with proper credit and a link to www.SageAge.net