

## Biophotons used for cellular growth, development, and communication

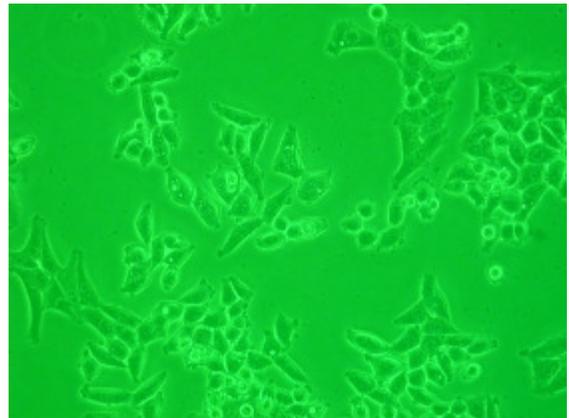
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What if we could control cell growth and development by mimicking biophoton behavior? What if we could actually communicate with cells using electromagnetic radiation? If we could decode the language of cells, imagine the possibilities! Maybe we could target certain cell types, such as those involved in cancer or autoimmune diseases.

The concept of cellular communication is still in its infancy, but was first discovered in 1923 by Alexander G. Gurvich who coined the term, “mitogenic rays.” In 1974, Fritz-Albert Popp is credited with proving the existence of “biophotons” and developing the biophoton theory which explains how they might control biochemical processes.

### What are biophotons?

By definition, biophotons are *ultraweak photon emissions of biological systems*. They are a form of electromagnetic radiation, and they carry an electromagnetic force. Biophoton signals are undetectable by the naked eye, and require special instruments that detect optical electromagnetic waves, i.e., light waves.



### How do biophotons affect cellular growth?

Scientists have long been studying biophotons to determine their role in cell growth, development, duplication, and regeneration. It is generally accepted that cells respond to light in a way that affects their growth. The concept goes back to photosynthesis, where cells absorb the light energy and use that energy as fuel for life. When sunlight isn't available, an organism may adapt by harnessing an alternative energy from its environment.

In 2012, the role of biophotons in cell communication was analyzed in [fish eggs](#). The evidence suggests that biophotons function as cross-talk between cells, and the result is synchronization of cellular growth and development processes in living organisms.

Biophotons are no more than an alternative energy source for cells, but Sergey Mayburof, the researcher who analyzed the biophoton behavior patterns of fish egg cells, believes **biophotons are more than just light energy; they are a form of cellular communication**. He described biophoton signals as “short quasiperiodic bursts,” similar to binary data signal patterns. While most scientists accept that biophotons exist, and may have a role in cellular growth and development, the evidence for cellular cross-talk with light is scarce.

### A milestone in biophoton research...and controversy

Identifying communication-like patterns similar to binary code signaling is undoubtedly a milestone in biophoton research. One argument against the communication with light theory is that optical electromagnetic waves emitted by biophotons are weak signals, and the signal frequency is minimal.

Another point of controversy that makes the biophoton theory such a hot topic is how profoundly it could change the way medicine is taught and practiced, especially in the US and Europe. Chinese medicine has long embraced the notion of energy therapy for healing, as have Indian doctors. In traditional Chinese medicine, a patient's energy state is a reflection of their mental, physical, and emotional health. By treating the energy deficiency, a healthy outcome is achieved when healthy energy is restored.

Some biophoton researchers believe that quality of light controls every mental, physical, and emotional problem, and biophoton signals correspond to different energy qualities, and therefore reflect the state of each cell.

Perhaps we still lack technology to detect the full signal strength and frequency of biophoton radiation signatures, but it certainly is exciting to think about the possibility of engaging in true cellular conversations.

See the complete, original article here: <https://www.patexia.com/feed/biophotons-used-for-cellular-growth-development-and-communication-20120529>