“biophotonics” often is a term applied to the relationship of biological tissue and normal noncoherent light.

Russian, German, and other biophotonics experts, often adopting the term "biophotons" from Popp, have theorized, like Gurwitsch, that they may be involved in various cell functions, such as mitosis, or even that they may be produced and detected by the DNA in the cell nucleus. In 1974 Dr. V.P.Kaznacheyev announced that his research team in Novosibirsk had detected intercellular communication by means of these rays.[9] Kaznacheyev and his team carried out about 12 000 experiments up to the 1980s. Details of experiments are described in his book (in Russian).[10]

9 ^ Playfair, Guy Lyon; Hill, Scott (1979). The Cycles of Heaven: Cosmic Forces and What They Are Doing to You. Pan. p. 107. ISBN 978-0-330-25676-6.

10 ^ V.P. Kaznacheyev, L.P. Mikhailova (1981). "Ultraweak Radiation in Cell Interactions (Sverkhslabye izlucheniya v mezhkletochnykh vzaimodeistviyakh)". Nauka. http://www.scribd.com/doc/39897582/1981-Kaznacheev-Mihkhailovna-sverlabye-Izluchenia-v-Mezikletochniych-Vzaimodeistviakh.[page needed]