

DNA resonance

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Most basic experiments on biological fields involve two samples such as cell culture aliquotes in sealed quartz cuvettes separated by optical filters. When one of the aliquotes is perturbed, the second one may catch the signal that is transferred non-chemically and is blocked by light impermeable filters. Such effects are often referred to as "non-chemical cell-cell communication" and are reviewed in refs ¹⁻⁴. Selected examples include reports communication of cell culture via polystyrene petri dish ^{5,6} and of plant roots through air ⁷.

Among such models, simplest and most robust seems a model of Burlakov ⁸. Developing fish embryos used in this model are easy to produce, and since they are quickly developing, they are sensitive to biologically active waves, they are also more active in producing biologically active waves and abnormalities in their development are more dramatic and visible on microphotographs. Burlakov's lab

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