

DNA Is a Fractal Antenna and Responds to EMF Fields of Many Kinds. Recognize that DNA, with its 'coil of coils' structure, is exquisitely sensitive to electromagnetic fields, including ELF, RF and ionizing radiation. It possesses the two structural characteristics of fractal antennas, electronic conduction and self-symmetry. These properties contribute to greater reactivity of DNA to electromagnetic fields.

Camilla Rees



The authors believed that if DNA acts as a fractal antenna and can interact with a wide range of frequencies simultaneously then safety standards based on individual frequency range is insufficient. They believe the same mechanism occurs when DNA interacts with any frequency across the EMF spectrum and safety standards should instead be based on a biologically-based safety standard that would take into account the cumulative effect of all EMF frequencies.

Dr. Martin Blank



Fractal Broccoli

" In the video... Dr. Blank shows a slide listing the diameter sizes of the coils within the DNA molecule:

- Double helix = 1 nm
- Chromatin fiber = 10 nm
- Solenoid = 30 nm
- Hollow tube = 200 nm"

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Fractal antennas in nature

Richard Wheeler

DNA, fractal antenna, sensitive to EMF

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In *M. pirium*, an isolated single gene, adhesin... could induce an EM signal.

Mae-Wan Ho

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A fractal is a pattern that repeats itself on more than one scale, like a square full of squares -- or a cloud, coastline or mountain which may be small or large, but has more or less the same shape at any size.

DNA is a 6-foot long coiled "ladder" of base pair steps that coils into bigger coils into bigger coils.

An antenna is a device which resonates with a portion of the electromagnetic spectrum. The frequencies with which it resonates depend upon certain physical characteristics of the antenna. The fractal pattern of the coiled DNA molecule may cause it to be sensitive to a large number of different frequency bands -- whether produced by nature or human technology.

... producing signals from the DNA required exposure to Earth's field as well as the ambient EM field of Schumann resonances...

Mae-Wan Ho

The "work" of a fractal antenna is done by the design itself.

Fractenna.com

Fractal antennas are only mere imitations of nature.

Max Power

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It appears that the DNA molecule is particularly vulnerable to damage by EMF because of the coiled-coil configuration of the compacted molecule in the nucleus. The unusual structure endows it with the self similarity of a fractal antenna and the resulting sensitivity to a wide range of frequencies.

[Martin Blank, BioInitiative 2012](#)

