

## **WATER STRUCTURES CARRYING DNA INFORMATION APPLICATIONS TO HIV/AIDS AND AUTISM**

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We reported at the last water meeting, the remote transmission of short DNA sequences by electromagnetic signals (EMS) generated by water nanostructures formed by the DNA itself.

This transmission was reproduced in several distant laboratories, eliminating all possibilities of contamination.

Although this phenomenon raises important theoretical questions upon the physical and biochemical processes involved, we are also exploring its medical application, particularly in the detection and treatment of chronic diseases.

We have detected EMS in the plasma fractions of patients suffering of neurodegenerative diseases (Alzheimer, Parkinson, multiple sclerosis), of rheumatoid arthritis, autism, AIDS. These emissions are generated by short DNA fragments derived from the genome of bacteria, some of which have been identified.

We have been focusing our studies mostly in two diseases, autism and AIDS.

In more than 85 % of children suffering of autism or autism related disorder, we have detected EMS in their plasma indicating the presence of bacteria. The latter are likely to come from abnormal passage through the intestinal mucosa. Most of these bacteria seem to belong to the genus *Sutterella*, already detected in the gut of autistic children by the group of I. Lipkin.

An antibiotic treatment improves and sometimes cures more than 50% of autism children, if it is administered soon after appearance of the clinical symptoms.

In AIDS, we have identified in patients treated by antiviral tritherapy and having no detectable viral RNA in their blood, the presence of two sources of EMS:

- One likely to come from a viral DNA reservoir, present in the plasma and red blood cells,
- One coming exclusively from red blood cells, coming from a small intracellular bacterium. The latter is likely to play an important role in AIDS, as cofactor of the virus. Its eradication may lead to eradication of HIV infection.

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