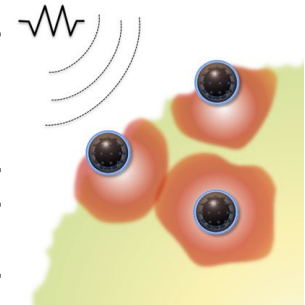


# **NANOHYPERThERMIA: Development of new nanoparticles and protocols for enhanced hyperthermia**



**ADRESSED PATHOLOGY:** Cancer

## **GENERAL OBJECTIVE:**

The enhancement of conventional hyperthermia techniques (Radio Frequency-induced HT and Near Infrared Plasmon Resonance-induced HT) and development of a new technique (Magneto-Mechanically induced Damage), of potential clinical application against several cancer types, including the synthesis of adequate nano-objects. To this end, the efficiency of the energy transfer from the energy-source to the heat producing mechanism will be improved and a standard technique for the measurement of the cell temperature will be developed.

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