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"The Experimental Project of the European Ramazzini Foundation to Evaluate the Carcinogenicity of ELFEMF and RFEMF on Sprague-Dawley Rats: Plan and Conduct of the Experiments"

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The European Foundation of Oncology and Environmental Sciences "B. Ramazzini" has designed and implemented two mega-experiments in order to study the carcinogenicity of extremely low frequency electromagnetic fields (ELFMR) and radio-frequency electromagnetic fields/microwave (RFEMF). The goal of these experiments is to quantitatively evaluate the impact of ELFEMF and RFEMF on health in relation to the various intensities, calendar of exposure and association with other carcinogenic risks.

The mega-experiment on ELFMR began in July 2002 and involves over 9000 rodents. The biophase of the experiment ended in July 2005 and first results will be available in 2007-2008. The mega-experiment on RFEMF, reproducing exposure to electromagnetic fields from radio base stations (far-field), began in October 2005 and involves over 4000 rodents. First results will be available in 2008-2009.

The presentation will illustrate the design and conduct of the aforementioned experiments.