



The Status and Future of Bioelectromagnetism

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Message from the Guest Editor

Dear Colleagues,

In the last several decades, the biological effects of electromagnetic fields have been demonstrated. However, the biophysical mechanism of the interaction between electromagnetic fields and biological systems is still not understood. In fact, there is controversy between the electric and magnetic effects. The defining feature of bioelectromagnetism is that electric and magnetic effects are nonthermal; their interactions are below kT levels. The goal of this Special Issue is to bridge the knowledge gap between biophysical mechanisms and biological effects from the molecular level to the level of the organism.

The present Special Issue “The Status and Future of Bioelectromagnetism” aims to collect and publish recent advances in the area of bioelectromagnetism. We welcome all reviews and research articles concerned with interactions of electromagnetic fields in biological systems at the molecular level and large scales. This also includes the disruptive impact of emerging areas of electromagnetic therapeutics for cancer treatment. The keywords below summarize topics of special interest to this Issue.

Dr. Carlos F. Martino
Guest Editor

