



Applied Physics in Cancer Cells

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Message from the Collection Editors

This Special Issue will focus on the state-of-the-art of applied-physics-related methodologies for investigating the behavior of cancerous cells and tissue, their measurement and characterization representing a thrilling challenge to researchers in the field.

Topics of interest might cover the characterization of cell electrical properties, mechanical, proliferation, and adhesive properties, the influence of applied magnetic fields, utilization of (nano)particles of diverse nature (i.e., magnetic), reporting of advances in ultrastructure determination, as well as surface properties, among others. These features can also be approached from a materials science or a diagnosis tool perspective, in order to discriminate between healthy and cancer cells. Submission is open to studies with very diverse experimental techniques (optical/fluorescence microscopy, quartz crystal microbalance, electrical impedance spectroscopy, Raman/FTIR/microwave spectroscopy, reflection interference contrast microscopy, etc.), although the use of scanning probe microscopy is particularly appreciated.





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Message from the Editorial Board

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