Special Issue

Anticancer Drugs Activity and Underlying Mechanisms

Message from the Guest Editor

As you know, cancer is a multifactorial disease and its onset and progression are very complex. And cancer is still the second leading cause of death worldwide. Clinical experiences have reinforced the idea that targeting a single cell component may not be the real mechanism by which drugs produce the desired effect; indeed, cells could become resistant to the treatment, for instance, activating compensatory pathways. Thus, the multi-target drugs concept and the individuation of the underlying mechanisms represent rich and fertile fields for drug research and development. The major issue of the emergence of multidrug resistance and relapse has been faced using, for instance, genomic/proteomic profiling technologies and selective molecular targeted therapies. This Special Issue addresses several old chemotherapeutic drugs or newer ones, whose cellular mechanisms are not well explicated and detailed. Original research papers or review articles on the design, synthesis, and evaluation of drugs or metal complexes targeting biomolecules such as tubulin and topoisomerase are very welcome.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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