



Molecular Mechanisms of Action and Cytotoxicity of Potential Anticancer Drugs

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Message from the Guest Editor

Dear Colleagues,

Cancer is the second leading cause of death worldwide. Chemotherapy is still an important treatment modality for these diseases. However, in many cases antineoplastic drugs are not only cytotoxic to tumor cells, but also affect normal cells, leading to serious adverse effects. In addition, resistance to chemotherapeutic drugs is another of the major limitations in the treatment. This has led to the development of new cytotoxic agents, and the understanding of key biological control mechanisms to identify drug targets may have important clinical implications. The development of new anticancer drugs and the understanding of key biological control mechanisms to identify drug targets may have important clinical implications. Many of these promising compounds exhibit cancer-cell cytotoxicity through multiple signal transduction pathways. This Special Issue aims to cover advances on the interference in all phases of cancer progression by modulating key proteins involved in survival, proliferation, angiogenesis, apoptosis, metastasis and reverse multidrug resistance processes, as well as signal transduction pathways triggered by anticancer drug candidates.





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Message from the Editor-in-Chief

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