



Advanced Research on Ceramide

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Many current anticancer drugs used to treat breast cancer mediate tumor cell death through the induction of apoptosis. Cancer cells, however, often acquire multidrug resistance following prolonged exposure to chemotherapeutics. Consequently, molecular pathways involved in tumor cell proliferation have become potential targets for pharmacological intervention. Ceramides are tumor suppressor lipids naturally found in the cell membrane and are known to induce apoptosis through both intrinsic and extrinsic pathways. It has been shown that certain ceramide analogs have therapeutic potential in the treatment of chemosensitive and multidrug-resistant breast cancers.

This Special Issue of *IJMS* will welcome original research and review articles with the aim of providing an overview of the development and discovery of novel ceramide; its analogs that increase the efficacy of standard therapy will also be covered.





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Message from the Editor-in-Chief

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