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Molecular Mechanisms of Cancer Cell Death

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Message from the Guest Editors

Dear Colleagues,

The main approach to cancer treatment is to specifically cause death in tumor cells. This aim can be met by inducing any of the three major forms of cell death, including apoptosis, autophagy, and necrosis, via distinct molecular mechanisms. Although the induction of any form of cell death can be effective as an anticancer strategy, the roles of each pathway in cancer therapy are complex and often context dependent. In addition, it is not uncommon for cancer cells to develop resistance to therapy-induced cell death. Thus, a deep understanding of how cancer therapeutics affect the regulatory pathways of cell death will allow researchers to develop more precise and effective anticancer strategies.

For this Special Issue, appropriate research topics include cancer cell death regulation, novel therapeutic targets, molecular mechanisms, and drug (therapy) resistance.

Dr. Bor-Chyuan Su
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Guest Editors