

Special Issue

Targeting Apoptotic Pathways in Cancer Therapy

Message from the Guest Editor

Apoptosis is a form of regulated cell death that plays a major role in an array of physiological and pathophysiological conditions. Distinct and interconnected signaling pathways trigger the execution of apoptosis. Together with sustained proliferative signaling, resistance to apoptosis is recognized as one of the cellular hallmarks of cancer. Exponential progress in the regulation of death and survival signaling cascades has recently been achieved. This includes the executioners of apoptosis, B-cell lymphoma 2 family proteins, and oxidative stress. The new advances in this field will allow for the identification of new modulators of the pathways in cell death and survival. This knowledge may contribute to the preparation of therapeutic strategies of interest in medicine. This Special Issue aims to improve our understanding of the molecular mechanisms involved in apoptosis that may contribute to the efficacy of cancer therapies. Contributions may relate to the events triggered by different physical and chemical agents, and/or by physiological and pathophysiological conditions.

Guest Editor

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