



Cell Apoptosis

Guest Editor:

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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. The execution of apoptosis is triggered by distinct and interconnected signaling pathways. Exponential progress in our understanding of 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. 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. It includes the ability to potentiate the cytotoxicity against malignant cells and has potential application in other metabolic or immunological diseases. This Special Issue aims to improve our understanding of the molecular mechanisms involved in apoptosis. Contributions may relate to the events triggered by different physical and chemical agents, including naturally occurring and synthetic compounds, and/or by physiological and pathophysiological conditions.





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Message from the Editor-in-Chief

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