

Special Issue

Cell Death in Biology and Diseases 3.0

Message from the Guest Editors

Cell death is a major biological phenomenon. The molecular mechanisms of cell death (or conversely cell survival) are complex and often closely connected to other cellular processes, such as cell proliferation or differentiation, and are thus part of a broad signaling network. The disruption of these mechanisms often causes developmental abnormalities, and factors that trigger cell death can directly contribute to the pathogenesis of many diseases, including cancer, neurodegenerative diseases, and tissue injury. Additionally, in plants, programmed cell death plays an important role in the formation of sclerenchyma and xylem (water and mineral transport). This Special Issue will focus on the exploration of the role of cell death in disease development and the modulation of cell death for the treatment of diseases. This Special Issue highly welcomes original research articles, short communications, and review manuscripts. Interdisciplinary contributions will help to get a detailed overview of this exciting research field in medicine, pest control, and other areas, providing great opportunities for new discoveries and applications in life science.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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