

Special Issue on Cell Death Pathways

Call for Papers

This special issue on **Cell Death pathways** is aimed at bringing together recent developments in the fields of cell death and, in particular, the interplay between cell stress responses and cell death. Whether cells mount a protective response or succumb to death depends to a large extent on the nature and duration of the stress as well as the cell type. For example, milder stresses can lead to protection through activation of the heat shock response or the unfolded protein response (UPR). This review also describes several types of cell death (e.g., apoptosis, necrosis, pyroptosis, or autophagic cell death) and the mechanism by which a cell dies often depends on various exogenous factors as well as the cell's ability to handle the stress to which it is exposed. The implications of cellular stress responses for human physiology and disease are multifold and are discussed in this review in the context of some major world health issues such as diabetes, Parkinson's disease, myocardial infarction, and cancer.

In this special issue, we are going to invite front-line researchers and authors to submit original research and review articles that explore **Cell Death pathways**. Potential topics include, but are not limited to:

- Apoptosis DNA fragmentation
- Apoptosis implication in ageing
- Apoptosis implication in autoimmune disease
- Apoptosis implication in cancer
- Apoptosis pathways
- Programmed cell death
- Inhibition of apoptosis

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