Special Issue

Study of Endoplasmic Reticulum Stress and Unfolded Protein Response

Message from the Guest Editor

The unfolded protein response (UPR), a signaling pathway required for adaptation to perturbations in protein folding in the endoplasmic reticulum (ER). Chronic UPR promotes various diseases. In cancer, the UPR is involved in tumor progression, metastasis and response to therapy. The field of UPR research is growing rapidly and the recent development of specific and high-affinity pharmacological inhibitors provides novel therapeutic opportunities. This Special Issue will bring together original research and review articles on the roles of UPR in pathology, highlighting new mechanisms, approaches, and therapeutic applications for cancer, inflammation and metabolic disorders related to stress adaptation signaling.

Topics relevant to this Special Issue include, but are not limited to:

- Molecular details of UPR activation and return to homeostasis;
- Mechanisms of ER stress-mediated cell death;
- Roles of the UPR in cell differentiation;
- The use of UPR inhibitors for therapy;
- The role of UPR in the cancer parenchyma and in the microenvironment;
- The role of UPR in immune modulation.

Guest Editor

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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.

Editor-in-Chief

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