



Study of Endoplasmic Reticulum Stress and Unfolded Protein Response

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Deadline for manuscript
submissions:

closed (10 August 2023)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Boaz Tirosh
Guest Editor





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Message from the Editor-in-Chief

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