

Special Issue

Stress Response Research: Yeast as Models: 2nd Edition

Message from the Guest Editors

This Special Issue is a continuation of our previous Special Issue, titled "[Stress Response Research: Yeast as Models](#)". *Saccharomyces cerevisiae* yeast was among the first living beings to be domesticated, and it is used as a "cell factory" for the production of biological drugs such as insulin and other valuable molecules. It has also been used as a model to elucidate the molecular mechanisms underlying biological processes, such as the cell cycle, DNA replication, the regulation of gene expression, aging, and regulated cell death, which are crucial processes in cell stress response and the maintenance of cellular homeostasis. This Special Issue aims to collect emerging concepts in the field of cell stress response, using yeast as a model system. The topics of interest for this Special Issue include the following: molecular pathways of cell stress response, signal transduction and protein trafficking, aging, and regulated cell death, as well as organelle biogenesis, function, and communication.

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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.

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