Special Issue

Stress-Activated Molecular Remodeling: Lipids, Chaperones, and the Cytoskeleton

Message from the Guest Editor

By highlighting emerging research on the crosstalk between structural and functional elements of stressed cells, this Special Issue aims to bridge basic molecular mechanisms with translational insights, bringing together perspectives from biochemistry, cell biology. biophysics, and disease modeling. We invite original research articles and reviews exploring how cells dynamically remodel molecular systems in response to stress. This Special Issue focuses on the interplay between lipid signaling, membrane dynamics, cytoskeletal reorganization, and chaperone function, and how these processes contribute to cellular adaptation, survival, and disease. Submissions with mechanistic insights or translational relevance to conditions such as cancer, neurodegeneration. infection, or inflammation are especially welcome. Topics include (but are not limited to) the following: -Membrane and lipid remodeling under stress: -Chaperone function and proteostasis; - Cytoskeletal dynamics and mechano-signaling; - Membrane-protein interactions and trafficking; - Stress responses in human disease models.

Guest Editor

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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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