

Special Issue

Fine-Tuning Proteostasis: Insights into Ubiquitination and Deubiquitination Pathways

Message from the Guest Editor

This Special Issue aims to provide a comprehensive platform for recent advances in understanding the molecular mechanisms and biological functions of ubiquitination and deubiquitination processes. We welcome original research articles, reviews, and perspectives that explore how these reversible modifications regulate fundamental aspects of cellular physiology, including but not limited to, the following:

- Protein quality control and proteostasis;
- Signal transduction pathways;
- Cell cycle and apoptosis;
- DNA damage response;
- Immune and inflammatory responses;
- Stress adaptation and autophagy.

Furthermore, this Special Issue encourages submissions that address novel regulatory components, crosstalk with other post-translational modifications, and emerging techniques (e.g., proteomics, CRISPR-based screening, PROTAC/DUBTAC approaches) that elucidate the dynamic nature of ubiquitin signaling networks.

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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