

Special Issue

The Role of Phosphatases in Human Disease

Message from the Guest Editor

Abnormal protein phosphorylation, as well as insufficient dephosphorylation of proteins has been shown to cause various diseases such as cancer, neurodegenerative diseases, or immune system-related diseases. Thus, studying protein phosphatases themselves as well as their potential inhibitors or activators is an increasingly well-researched topic.

This Special Issue welcomes comprehensive systematic reviews, impactful communications, and full research papers, including basic studies that will provide novel insights into the current knowledge of protein phosphatases in human diseases, while improving the understanding of novel molecular therapeutic applications.

Research topics may include (but are not limited to) the following:

- Correlation between diseases and protein phosphatases;
- Novel signaling mechanism related to phosphorylation;
- Phosphorylation of specific disease-related proteins;
- Therapeutic strategies based on targeting phosphatases or substrate proteins.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



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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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