

Special Issue

Molecular Advances in Protein-Ligand Interactions

Message from the Guest Editor

Protein–protein and protein–ligand interactions are at the center stage of the cellular processes and regulatory mechanisms of living systems. Examination of these interactions identifies the key players and elucidates mechanisms that are essential for maintaining homeostasis under normal physiological conditions. Ultimately, this knowledge can be translated into probing biomolecular interactions in the context of pathological states, many of which involve proteins and their ligands. This approach expands our fundamental understanding and illuminates approaches for the development of novel treatments for various medical conditions. Technical advances and new methodologies accelerate these efforts, broaden the scope of the investigations, and provide transformational perspectives. For this Special Issue of *IJMS*, we aim to collect contributions in the form of either original research articles or reviews to add new insight into the role of protein–protein and protein–ligand interactions in biological processes.

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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