

Special Issue

Molecular Pharmacology of Protein Kinase Inhibitor

Message from the Guest Editor

Protein kinases are pivotal enzymes in intracellular signaling, regulating essential physiological processes such as cell growth, differentiation, apoptosis, and metabolism through protein phosphorylation. With over 500 kinases forming a complex regulatory network, their dysregulation is implicated in various diseases, including cancer, neurodegenerative disorders, and cardiovascular conditions. This Special Issue will highlight recent advancements in kinase-targeted therapies, focusing on: (1) selective and allosteric kinase inhibitors; (2) structural insights into kinase-inhibitor interactions; (3) resistance mechanisms and strategies to overcome them; (4) novel kinase inhibitor development; (5) preclinical/clinical evaluation; (6) combination therapies and biomarker discovery; (7) computational modeling for optimization; and (8) toxicity profiles and pharmacovigilance studies.

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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