



Protein Kinase in Disease

Guest Editor:

Dr. Manae Suzuki Kurokawa

Disease Biomarker Analysis and
Molecular Regulation, Graduate
School of Medicine, St Marianna
University, Miyamae Ku, 2-16-1
Sugao, Kawasaki, Kanagawa
2168511, Japan

Deadline for manuscript
submissions:
closed (30 April 2024)

Message from the Guest Editor

Abnormality of protein kinases due to chromosomal mutation, translocation and deletion, aberrant splicing, and protein overexpression and loss of function is involved in developmental anomalies and various diseases such as cancers, inflammatory diseases, and metabolic disorders (e.g., diabetes mellitus). It is also related to the occurrence of cardiovascular diseases, neuronal degeneration, immune dysregulation, renal diseases, and sense organ disorders. Therapeutic strategies targeting these protein kinases are being explored. This has already led to the discovery of more than 40 protein kinase inhibitors as anticancer drugs. Further analysis of protein kinases associated with diseases and the development of novel protein kinase inhibitors may help to overcome intractable diseases.

Keywords

**protein kinases
phosphorylation
cancers
inflammatory diseases
protein kinase inhibitors
anticancer drugs**





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI