

Special Issue

Targeting Tyrosine Kinase Receptors in Cancer: Mechanisms, Resistance and Therapeutic Advances

Message from the Guest Editors

Tyrosine kinase receptors (TKRs) play a pivotal role in cancer progression by driving key cellular processes such as proliferation, migration, differentiation, survival, invasion, and metastasis. Despite the success of tyrosine kinase inhibitors (TKIs) in cancer therapy, intrinsic and acquired resistance mechanisms remain a significant challenge. This Special Issue aims to explore the latest advances in TKR signaling, resistance mechanisms, and novel therapeutic strategies, including next-generation TKIs, combination treatments, and immunotherapy approaches. We welcome authors to submit original research and review articles covering diverse aspects of TKR biology, including the identification of predictive biomarkers, the interplay between TKRs and other signaling pathways, the emerging role of non-coding RNAs in modulating TKR function, and strategies to overcome therapeutic resistance.

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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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