

Special Issue

Advanced Research of Targeting CDKs in Oncology

Message from the Guest Editor

Cyclin-dependent kinases (CDKs) are cell cycle key regulators overexpressed and deemed as therapeutic targets in many cancer types. CDK proteins lead to G1/S progression through phosphorylation of Rb facilitating tumorigenesis. The first clinically approved CDK4/6 inhibitors (palbociclib, ribociclib, and abemaciclib) have uncovered the great importance of targeting this pathway, demonstrating efficacy, but the identification of predictive biomarkers and the mechanisms underlying drug resistance still represent major unmet clinical needs. Moreover, new therapeutic approaches of combination therapy are emerging as a hot topic in this context to overcome resistance and should be explored. This Special Issue welcomes both basic studies and translational research including original articles, short communications, reviews, and commentaries, focused on anticancer strategies against CDKs. Special attention will be given to manuscripts reporting the molecular mechanisms of drug resistance, predictive biomarkers, and new therapeutic approaches in targeting CDK pathway in cancer.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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