Special Issue

Kinase Signaling and Kinase Targeted Therapies on Cancer: Advances, Challenges, and Future Direction

Message from the Guest Editor

Many kinases are associated with human cancer initiation and progression. Kinase inhibitors represent targeted therapy resulting from the understanding of molecular genetics and molecular signaling pathways. This class of therapeutics represents a transformation from conventional chemotherapy to targeted cancer treatment. Nevertheless, many factors confound the clinical efficacy of these molecules. Specific tumor genetics, tumor microenvironment, drug resistance, and pharmacogenomics determine how useful a compound will be in the treatment of a given cancer. Due to the clinical importance of kinase inhibitors, multiple strategies are required to overcome resistance mechanisms and develop more effective targeted therapies. Moreover, kinase inhibitors are not only important for the treatment of cancer but also help us better understand the physiological roles of kinases. This Special Issue intends to serve as a compilation overviewing kinase signaling and kinase-targeted drug discovery and development in relation to oncology and highlighting the challenges and future potential for kinase-targeted cancer therapies.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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