

Special Issue

Human Protein Kinases: Development of Small- Molecule Therapies

Message from the Guest Editor

Protein kinases play essential roles in the human body. Changes in kinase expression and/or function due to mutations, overexpression, or loss of function have been linked with diverse diseases. Accordingly, the modulation of kinases is viewed as a therapeutic strategy. The development of small-molecule kinase inhibitors has resulted in 71 FDA-approved drugs. Kinase activation is another approach that may have utility in cases where loss of function propagates disease. Finally, the degradation of kinases is an alternative strategy that is quickly gaining traction in diseases where kinase overexpression drives pathology. As kinases are amongst the most tractable proteins in the human proteome, the design and development of small molecules targeting them is an attractive avenue to modulate their function in human disorders.

This Special Issue, “Human Protein Kinases: Development of Small-Molecule Therapies”, welcomes submissions of original research articles and reviews on the development and use of kinase-targeting small molecules for a therapeutic endpoint.

Guest Editor

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Deadline for manuscript submissions

closed (30 December 2024)



Kinases and Phosphatases

an Open Access Journal
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mdpi.com/si/141459

Kinases and Phosphatases

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