



Targeting PI3K/mTOR Signaling in Cancers

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Message from the Guest Editor

Dear Colleagues,

The phosphatidylinositol-3-kinase (PI3K)/mammalian target of rapamycin (mTOR) signaling cascade is a key regulator of cell growth, survival, metabolism, cell cycle progression, cell motility, and angiogenesis in physiological as well as pathological conditions such as cancer. The PI3K/mTOR signaling pathway is aberrantly activated in many cancers due to activation by the receptor tyrosine kinases and somatic mutations in specific components of the signaling pathway. This aberrant activation is critical in driving tumor initiation, progression, and metastasis, and is one of the main mechanisms of resistance to cancer therapy. Therefore, the identification of novel molecules at different levels of the PI3K/mTOR pathway is crucial for understanding the precise mechanism of this pathway and its inhibition.

The goal of this Special Issue is to summarize and enlarge the current knowledge on the molecular aspects of PI3K/mTOR signaling in cancer. Authors are welcome to submit original basic and translational research and review articles.





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Message from the Editor-in-Chief

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