



NF- κ B and Its Role in Health and Disease

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Message from the Guest Editor

Nuclear factor-kappa B (NF- κ B) is a transcription factor that plays a pivotal role in immune responses, inflammation, cell survival, and various physiological processes. The activity of NF- κ B is tightly regulated and essential for maintaining homeostasis in the body. However, the dysregulation of NF- κ B signaling has been implicated in the pathogenesis of numerous diseases.

There are several unsolved issues in NF- κ B-related diseases, such as the specificity of targeting NF- κ B, as it is involved in numerous cellular processes and regulates a wide range of genes. Additionally, achieving the selective inhibition of pathological NF- κ B activity without disrupting its physiological functions remains a challenge. The complexity of NF- κ B signaling networks and the crosstalk with other pathways make it challenging to unravel the specific contributions of NF- κ B in disease pathogenesis. Therefore, this Special Issue provides a platform where you can publish your research on any aspect of NF- κ B-related health and diseases.





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