



Novel Insights into the Physiological and Pathological Role of Leptin and Leptin Receptor

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Message from the Guest Editors

Dear Colleagues,

In recent years, research efforts have been expanded to clarify the role of leptin/leptin receptors in human physiology and in the pathophysiology of several disorders. However, more studies are needed to fully elucidate leptin/leptin receptor signaling pathways. The adipocyte-derived factor leptin and its receptor (ObR) are widely expressed in a large spectrum of tissues, wherein they play a pivotal role in energy homeostasis, metabolism, and in neuroendocrine and immune functions. Further, it has been demonstrated that the leptin/leptin receptor signaling pathway is linked to the proliferation, migration, and invasion of cancer cells. Indeed, targeting the leptin/leptin receptor has generated a great amount of interest in the design and development of several modulators that could offer a valuable therapeutic strategy in many diseases.

In this Special Issue, we welcome original research articles, as well as review articles, in order to provide new knowledge about the physiological and pathological significance of leptin/leptin receptors.





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