



Leptin and Obesity: New Discoveries and Future Perspectives

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Message from the Guest Editors

Twenty-five years ago, leptin, a hormone produced and secreted by adipose tissue was discovered. From the first moment it was given a key role in the field of obesity, which also integrated different endocrine organs and physiological processes in the control of food intake and energy balance. However, the great therapeutic hopes of leptin in the treatment of obesity suddenly vanished, probably due to the lack of knowledge of the molecular mechanisms responsible for its effects. Even so, the research developed with leptin has made great contributions in the field of obesity. However, during the last few years very important advances have been evidenced in some of the mechanisms of action responsible for its effects on body weight control. All of this has meant a rejuvenated interest in this hormone that one day could lead to the much desired therapy against obesity.

In this Special Issue we welcome contributions related to any aspect of leptin and obesity. The idea is to provide readers with an idea of the mechanisms by which leptin exerts its effects on body weight regulation and its physiological relevance, mentioning the most recent and exciting discoveries.





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