

Special Issue

The Role of Leptin on Adipocyte Metabolism and Obesity

Message from the Guest Editor

Even though it became quickly evident that exogenous administration of leptin does not represent the holy grail in the treatment of obesity, important recent insight shows that relatively high leptin levels are independently associated with insulin resistance; thus, attempts to decrease leptin levels—even in subjects without obesity—may still be beneficial. Translational studies combining clinical longitudinal data and adipose tissue (AT) biopsies to assess AT morphology and function may provide better insight into the determinants of leptin secretion. Moreover, the cross-talk between adipose tissue and other key metabolic organs (such as the brain and the liver) may be partly mediated via leptin's action. Functional imaging studies with the simultaneous assessment of leptin levels may assess the effects of leptin on tissue-specific metabolism. For this Special Issue, we welcome original papers that increase our insight regarding the secretion and function of this key adipokine, as well as high-level reviews that summarize the current knowledge on the topic.

Guest Editor

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Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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