

Special Issue

Adipokines as Peripheral Signals for the Integration of Energy Balance and Reproduction

Message from the Guest Editors

In mammals, reproductive functions are known to be tightly regulated by energy availability. Atypical weight loss or gain (obesity) negatively affects the reproductive axis. The balance between energy homeostasis and reproduction is monitored by a complex system involving the brain and a variety of peripheral tissues. This process occurs via numerous factors, including metabolic hormones and nutrients. The aim of this Special Issue is to review emerging aspects of the role of adipokines, endocrine factors secreted primarily by white adipose tissue, in the regulation of fertility and reproduction in health, obesity and reproductive disorders.

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