

Special Issue

Molecular Basis of Metabolic Homeostasis

Message from the Guest Editor

Maintaining metabolic homeostasis is essential for cellular life, and it involves a tight regulation of temperature, food intake, energy expenditure, and glycemia. The adipose tissue, liver, and pancreas are traditionally considered organs of the endocrine system involved in regulating metabolic homeostasis, and an appropriate crosstalk between them is necessary for ensuring individual health. A better understanding of the mechanisms associated with metabolic homeostasis in adipose tissue and the impact of its deregulation on other organs is essential for the development of novel therapeutic approaches and strategies to improve metabolic diseases. This Special Issue will focus on original research articles, brief reports, and review articles related to the metabolic processes necessary to maintain cellular and tissue homeostasis, including animal models and in vitro studies.

Guest Editor

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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