

Special Issue

Lipogenesis and Lipolysis: Insights from Molecular Perspectives

Message from the Guest Editor

The balance between lipogenesis and lipolysis is crucial for maintaining a healthy body weight and preventing obesity. When the intake of calories exceeds the body's energy needs, lipogenesis predominates, leading to fat accumulation. Conversely, when energy demands exceed calorie intake, lipolysis becomes more active, releasing stored fat for energy production. In this Special Issue, we invite you to delve into the realm of lipogenesis and lipolysis and explore the intricate mechanisms governing adipocyte function, stability, and maintenance. We aim to include the latest research, advancements, and insights into the regulation, mechanisms, and interactions of adipocyte regulation in human health and disease.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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