

Special Issue

Adiposity, Inflammation, and Metabolic Regulation: Molecular Mechanisms and Therapeutic Strategies

Message from the Guest Editor

To advance our knowledge in this critical area, this Special Issue invites original research and review articles that explore the following (but are not limited to them):

- The interrelationships between obesity and insulin resistance/hyperinsulinemia.
- The cellular and molecular mechanisms governing adipocyte differentiation, function, and dysfunction.
- The role of inflammation in adipose tissue, including the involvement of immune cells and inflammatory signaling pathways.
- The complex interplay between adipose tissue, systemic metabolism, and the development of obesity-related complications.
- Novel therapeutic approaches targeting adipose tissue biology and inflammation for the prevention and treatment of obesity.

We encourage submissions that contribute to a comprehensive understanding of obesity pathogenesis and inform the development of innovative treatment strategies. We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).