

Special Issue

Molecular Research in Obesity, 2nd Edition

Message from the Guest Editors

Although the rapid increase in obesity has been driven by environmental changes, genetic factors are also critical players in determining individual predisposition to this condition. Obesity has been linked to adverse alterations in adipose tissue, specifically white and brown adipose tissue, that predisposes subjects to metabolic dysregulation, chronic low-grade inflammation, and dysfunction in energy storage and expenditure. Although mechanisms beyond obesity and its related comorbidities have been extensively investigated, some of them have yet to be fully elucidated. This Special Issue aims to summarize the current knowledge and advances in this field, showcasing the novel molecular mechanisms underlying obesity; to prevent the individual risk of developing obesity; and to identify novel approaches in the management of this condition. Original research articles and reviews include (but are not limited to): elucidating the molecular underpinnings of obesity, identifying genetic factors, unraveling metabolic pathways, and exploring the functions of adipose tissue.

Guest Editors

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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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