

Special Issue

Atherosclerosis: Pathophysiology and Associations with Other Diseases

Message from the Guest Editor

Cardiovascular diseases are the main cause of death in Western countries. Their common basis is adverse structural and functional changes within vascular walls, specifically atherosclerosis and arteriosclerosis, which tend to coexist, causing progressive, diffuse, and age-related deterioration in all vascular beds. Atherosclerosis is a chronic inflammatory and degenerative process that mainly occurs in large- and medium-sized arteries, and is morphologically characterized by asymmetric focal thickenings of the innermost layer of the artery, known as the intima. Arteriosclerosis refers to the degenerative stiffness in the arterial beds, defined as the reduced capability of an artery to expand and contract in response to pressure changes. The scope of this Special Issue is to unravel the molecular mechanisms involved in the pathogenesis of atherosclerosis and the association between atherosclerotic diseases and other disorders, and to describe the clinical and therapeutic implications of such associations.

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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