



The Pharmacological Management of Bone and Muscle Disorders

Guest Editor:

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Message from the Guest Editor

Skeletal muscle is a dynamic tissue, capable of adaptation throughout life in response to a variety of signals. Skeletal muscle adapts its mass as a result of physical activity, metabolism, and hormones. Atrophy is defined as a decrease in the size of a tissue or organ due to a decrease in cell size caused by the loss of organelles, cytoplasm, and protein. This complex process occurs in skeletal muscle as a consequence of a variety of stressors, including neural inactivity, mechanical unloading, inflammation, metabolic stress and elevated glucocorticoids levels.

This Special Issue will cover a selection of research topics related to recent advances in the mechanisms of muscle atrophy, osteoporosis and osteosarcopenia. This Special Issue aims to collect articles which further our understanding of the molecular mechanisms involved in multidisciplinary musculoskeletal disorders and of the potential for drugs and natural products acting in this area. The topic includes studies related to osteosarcopenia and to the development and characterization of novel pharmaceutical and nutraceutical approaches. Experimental papers, and review articles are both welcome.





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