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Advances in Muscle Research in Health and Disease—2nd Edition

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Message from the Guest Editor

Dear Colleagues,

Muscles, consisting of skeletal, cardiac, and smooth muscle, comprise a significant portion of total body mass and are primarily essential for vital human functions. Muscle is also the largest depot for glucose disposal, amino acid storage, and whole-body metabolism coordination via the consumption, distribution, and transportation of nutrients and other substrates. Muscle homeostasis is regulated by both endogenous and exogenous factors, which interact to influence both its structure and function. The advances in dietary, pharmacological, and therapeutic strategies to maintain muscle health, while stressing the prevention and understanding of muscular-system-related disorders, have highlighted the significance of muscle in recent decades.

This Special Issue will explore new insights, aiming to present the most recent findings and advances in this field and outlining prospects in all aspects of muscle research. We encourage original research articles as well as review articles on the structure, types, development, regeneration, functions, and roles of muscles, in addition to discussions of muscle-derived disorders that may affect human health.



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Special Issue



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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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