Special Issue

Skeletal Muscle Extracellular Matrix: Composition, Structure and Function

Message from the Guest Editors

Skeletal muscle is the largest component in humans, and it is predominantly composed of myofiber, providing mobility, protecting and supporting the skeleton, and controlling body temperature and glucose homeostasis. Disturbances of its function result in multiple diseases, including metabolic disorders, cachexia, and sarcopenia, as well as cardiac and renal failures. Muscle fibers reside in a 3D and highly organized scaffolding known as the extracellular matrix (ECM). ECM molecules have important functional roles in the regulation of cellular events. Any type of disruption in the ECM may result in several pathological conditions. This Special Issue will highlight new research on ECM skeletal muscle, its modes of action, and its function in various diseases using state-of-the-art research techniques. Novel therapeutic approaches including in silico, in vitro, and in vivo experiments to target potential ECM components, are also encouraged. Original research papers, review articles, communications, perspectives, and commentaries are welcome. We look forward to your contributions to this 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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