Special Issue

Skeletal Muscle: Structure, Physiology and Diseases

Message from the Guest Editor

Skeletal muscle is the most abundant tissue in mammals, accounting for a significant portion of the total body mass of healthy individuals. Its structure and function are intricately connected. Skeletal muscle plays a critical role in contraction, enabling movement, supporting body posture and position, and maintaining body temperature. These functions place high metabolic demands on skeletal muscle, highlighting its critical role in body metabolism. Needless to say, any alteration in one of the skeletal muscle components can lead to disease. This Special Issue invites manuscripts that provide insights into recent developments in skeletal muscle structure, physiology, and diseases. Submissions can include both research papers and review articles from diverse disciplines such as biophysics, cell biology, molecular biology, and genetics.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2026)

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About the Journal

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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JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).