

## Special Issue

# Skeletal Muscle Atrophy: Mechanisms at a Cellular Level

### Message from the Guest Editors

Skeletal muscles constitute the largest body organ, making up about half of a mammal's bodyweight. Several conditions, including neuromuscular disorders, aging, cancer, and those associated with toxins, can lead to losses in muscle mass and function. This acquired condition, referred to as muscle atrophy, is an emerging health concern and a burden for human health. The cellular and molecular factors involved in muscle atrophy are still relatively unknown, despite great effort being made over the last two decades to decipher the pathophysiological bases underlying muscle loss. A wide range of cellular and subcellular compartments, organelles, degradation pathways, molecular signaling networks and genes have been identified as critical players in the regulation of muscle mass and atrophy. This Special Issue of *Cells* aims to provide a general overview of the cellular and molecular mechanisms responsible for muscle atrophy and to stimulate the identification of novel strategies to tackle conditions or disorders associated with muscle loss.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 June 2022)



## Cells

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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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### Editors-in-Chief

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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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).