

Special Issue

Advance in Ca²⁺ Homeostasis

Message from the Guest Editor

Calcium ions are the major second cell messenger and control a plethora of biological mechanisms, including muscle contraction. Their homeostasis is orchestrated like a musical score where the slightest abnormality or dysfunction of one of the partners (pumps, channels, exchangers, binding proteins, etc.) or the slightest change in the spatio-temporal properties of the signal can lead to a physiological process to a pathological situation in the long term, i.e., as a cell cacophony. The aim of this Special Issue is to bring together original data and reviews on the Ca²⁺ role in skeletal and cardiac muscles. Contributions that address any determinant in the fine tuning of Ca²⁺ handling, involved in the mechanisms of excitation–contraction coupling, muscle function, plasticity or else in muscular and cardiovascular diseases, are welcome.

Guest Editor

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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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