



Calcium Regulation in the Cardiac Cells

Guest Editor:

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Message from the Guest Editor

From amplifying signals originating from a membrane receptor to coupling membrane excitation to muscle contraction, calcium is an essential second messenger in all mammalian cells. With its central roles in transcription factor activation, energy production in mitochondria, and subcellular vesicle functions, it is unquestionable that calcium dysregulation is a crucial factor in the development of cardiac disease.

In this Special Issue of Biomolecules, “Calcium Regulation in the Cardiac Cells,” we invite research papers and reviews reporting any breakthroughs on dissecting how calcium and its associated signaling pathways are regulated in cardiac cells in either physiological or pathological conditions. We encourage new findings on the use of small molecules, noncoding RNAs, exosomes, or any other cell-free substances to regulate calcium signaling in the heart as well. We also welcome any reports on examining pre-existing medications with a novel mechanism of action related to calcium handling in cardiac cells. We will also consider reports utilizing cardiac-specific cells derived from stem cells as the modeling platform.





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Message from the Editorial Board

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