

Special Issue

Calcium Regulation in the Cardiac Cells

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.

Guest Editor

Dr. Chi Keung Lam

Department of Biological Sciences, University of Delaware, Newark, DE 19716, USA

Deadline for manuscript submissions

closed (28 February 2023)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/126858

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

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Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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