Special Issue

Dysregulation of Calcium Signaling in Pathological Processes

Message from the Guest Editor

Calcium-mediated signaling in eukaryotic cells is an universal mechanism controlling a myriad of cellular processes. In a significant number of human pathologies, the dysregulation of Ca2+ signaling and Ca2+-mediated control systems implicated in diverse cellular functions have been observed. This Special Issue collects reviews and research articles describing a variety of alterations in human pathologies occurring in the toolkit used by the cells to handle Ca2+ signaling, including potentially important and already observed or newly suspected dysregulations of Ca2+ signaling in the followings illnesses, among others: cardiovascular diseases; muscle diseases; neurodegenerative processes; endocrine diseases; autoimmune diseases; and solid tumors and hematological cancers. Finally, it will also consider diseases associated with failure in mitochondrial Ca2+ movement; mutations of Ca2+-binding proteins; mutations of Ca2+ channels (resulting in so-called channelopathies); and mutations of Ca2+ transporters.

Guest Editor

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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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