

## 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  $\text{Ca}^{2+}$  signaling and  $\text{Ca}^{2+}$ -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  $\text{Ca}^{2+}$  signaling, including potentially important and already observed or newly suspected dysregulations of  $\text{Ca}^{2+}$  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  $\text{Ca}^{2+}$  movement; mutations of  $\text{Ca}^{2+}$ -binding proteins; mutations of  $\text{Ca}^{2+}$  channels (resulting in so-called channelopathies); and mutations of  $\text{Ca}^{2+}$  transporters.

### Guest Editor

Prof. Dr. Antonio Villalobo

Instituto de Investigaciones Sanitarias (IdiPAZ), Hospital Universitario La Paz, Madrid, Spain

### Deadline for manuscript submissions

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## Biomolecules

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*Biomolecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomolecules@mdpi.com](mailto:biomolecules@mdpi.com)

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

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