



The Role of Calcium Conducting and Calcium Regulated Channels in Human Health and Disease

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Message from the Guest Editors

Calcium and its molecular signaling in cells and cell organelles are vital processes throughout the life cycle of the majority of cells. This includes the regulation of ion channels by calcium and the regulation of calcium by ion channels. The scope of this Special Issue, titled "The Role of Calcium Conducting and Calcium Regulated Channels in Human Health and Disease", to be published in the *International Journal of Molecular Science*, is to integrate research on channel-mediated calcium signaling in both excitable and non-excitable cells, under physiological and pathophysiological conditions. This refers to calcium channels, non-selective cation channels and calcium-activated ion channels, and includes investigations based on molecular biology, patch-clamp and all other functional evidence for ion channel activity. The ion channels can be characterized in vivo, in isolated primary cells or tissues, and in model cells, but also in cell-free systems, such as black lipid membranes. This Special Issue considers original research, new methodological approaches, and short or comprehensive reviews.





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Message from the Editor-in-Chief

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