



Structure and Properties of Proteins Involved in Ca²⁺ Transport and Homeostasis

Guest Editors:

Prof. Dr. Giuseppe Zanotti

Department of Biomedical Sciences, University of Padua, 35131 Padova, Italy

Dr. Tito Cali

1. Department of Biomedical Sciences, University of Padua, Padova, Italy
2. Padova Neuroscience Center (PNC), University of Padua, Padova, Italy

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Message from the Guest Editors

It is difficult to underestimate the role of Ca²⁺ in the cell functioning since calcium ions play a fundamental role in many cellular processes. Ca²⁺ actively participates in a variety of cell signaling pathways by binding to several calcium-binding proteins. Calcium transport in and out of the cell membrane is strictly regulated through the use of pumps and channels and, once inside the cell, Ca²⁺ is stored in specific compartments or bound to specific proteins that keep its free concentration at the proper value. The structure of most of the proteins involved in calcium transport and homeostasis is currently known, and their functioning mechanism has been partially clarified. The goal of this Special Issue is to produce an up-to-date summary of the present knowledge of the structure–function relationship of the proteins involved in this process.

We encourage the submission of both original research articles and topical reviews on proteins involved in Ca²⁺ transport and homeostasis. All submitted articles will undergo peer review.





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Prof. Dr. José L. Quiles

Department of Physiology,
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Technology “Jose Mataix”,
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Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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