

Special Issue

Calcium Binding Proteins

Message from the Guest Editor

Calcium ions play pivotal roles in a variety of cellular events including signal transductions, gene expression, cell death, fertilization, muscle contraction, membrane fusion, blood clotting, enzymatic activations of kinases, phosphatases, proteases, etc., by involving different kinds of calcium binding proteins. Concentrations of Ca^{2+} in the blood and inside the cells are strictly regulated by Ca^{2+} -sensor proteins, -channels, -transporters and -buffering proteins. In addition to the sarcoplasmic/endoplasmic reticulum known as the major Ca^{2+} -storage organelle in the cell, mitochondria, Golgi apparatus, endosomes and lysosomes are also known to play roles in Ca^{2+} -signaling. Nuclear roles of Ca^{2+} also draw attentions for transcriptional and post-transcriptional regulations. This Special Issue on “Calcium Binding Proteins” welcomes contributions in all areas of basic and application-oriented research associated with calcium from the aspects of biochemistry, molecular biology and biophysics.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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