

Special Issue

Role of Phosphodiesterase in Biology and Pathology 2.0

Message from the Guest Editors

The Special Issue “The Role of Phosphodiesterases in Biology and Pathology 2.0” will publish outstanding articles on the role of 3',5' cyclic nucleotide phosphodiesterases in health and disease. Review articles, commentaries and experimental papers are welcome. These phosphodiesterases are ubiquitous enzymes that hydrolyze cAMP and cGMP second messengers in a temporal, spatial and integrated manner, according to their expression and localization inside the cell. Because cAMP and cGMP signaling regulate a huge variety of cell functions, phosphodiesterases are involved in many aspects of cell biology. The understanding of cell signaling pathways in which phosphodiesterases are involved is thus of great importance in cell physiology and human pathology.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2023)



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