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Electrophysiology

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Message from the Guest Editors

Ion channels can select ions to pass through the cell membrane in a wide variety of cells. These different types of ion channels act to modulate the activities of Na^+, Ca^{2+}, and K^+ channels in controlling cell excitability. Moreover, cellular electrophysiological studies have indicated that different ion channels such as HCN channels or voltage-gated K^+ channels have been essential for various cell functions, such as seizure or pain sensation. Recent emerging progress in the pharmacological characterization of ion channels modulated by different compounds has shown the fundamental importance of ion channels in physiology, pharmacology, and various disorders.

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Message from the Editor-in-Chief

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