Special Issue

Endocannabinoid Receptors in Human Health and Disease, 2nd Edition

Message from the Guest Editor

While endocannabinoids (N-arachidonoylethanolamine; AEA and 2-arachidonoyl glycerol; 2-AG) were initially found to activate the cannabinoid receptors CB1 and CB2, it is now understood that they bind to and modulate the activity of several different classes of receptors, including G protein-coupled receptors, transient receptor potential channels, and nuclear receptors. Additionally, AEA and 2-AG are now viewed as the canonical ligands of a broader family of bioactive lipids that constitute the endocannabinoidome, including many N-acylamines and 2-monoacyl glycerols. Research into this growing family, their receptor activity profiles, pharmacology, and involvement in regulating various physiological and pathological processes is still in its infancy. We aims to highlight recent advances in our understanding of the function of endocannabinoid-related receptors in physiological processes and diseases at CB1, CB2, and beyond to the many other receptors that comprise the wide endogenous cannabinoid system.

Guest Editor

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