

Special Issue

Endocannabinoid Receptors in Human Health and Disease

Message from the Guest Editors

Endocannabinoids (N-arachidonylethanolamine; AEA and 2-arachidonoyl glycerol; 2-AG) 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, which includes a plethora of N-acylamines and 2-monoacyl glycerols. These ligands, despite their structural similarities to AEA and 2-AG, often display distinct (and sometimes opposing) receptor activity profiles to endocannabinoids. It is becoming clear that these bioactive lipids play important roles that are relevant to several disease states. This Special Issue 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.

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