International Journal of
Molecular Sciences

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Endocannabinoid Receptors in Human Health and Disease

Guest Editors:

Dr. Cristoforo Silvestri
Centre de Recherche de l'Institut Universitaire de Cardiologie et de Pneumologie de Québec (CRIUCPQ), Université Laval, Quebec City, QC G1V 0A6, Canada

Dr. Robert B. Laprairie
College of Pharmacy and Nutrition, University of Saskatchewan, Saskatoon, SK S7N 5E5, Canada

Deadline for manuscript submissions:
closed (15 March 2024)

Message from the Guest Editors

Endocannabinoids (N-arachidonoylethanolamine; 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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Editor-in-Chief

Prof. Dr. Maurizio Battino
Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

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International Journal of Molecular Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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