



PPARs in Health and Disease

Guest Editor:

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Message from the Guest Editor

Peroxisome proliferator-activated receptors (PPARs) belong to a nuclear receptor superfamily, acting as ligand-activated transcription factors that exert specific pleiotropic responses. The three known isoforms, PPAR α , PPAR β/δ , and PPAR γ , hold, among others, determinant roles in energy homeostasis, regulating glucose and lipid metabolism. Upon binding with hormones, lipids, or other ligands, PPARs act by forming heterodimers with retinoic X receptors and, in cooperation with co-repressors or co-activators, regulate several target genes. This Special Issue of *Biomedicines* includes the most recent advances in the regulation and function of PPARs and provides well-grounded views on therapeutic perspectives for the use of PPAR agonists or antagonists in various disease states, including dyslipidemia, atherosclerosis, obesity, diabetes, neurodegenerative disorders, and cancer.





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Message from the Editor-in-Chief

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