

Special Issue

Antitumor and Metabolic Effects Mediated by PPARs

Message from the Guest Editor

Peroxisome Proliferator-Activated Receptors (PPARs) have been extensively studied as drug targets based on their metabolic regulatory activities in various tissues. Their roles in lipid and carbohydrate metabolism, energy homeostasis, inflammation, and cell differentiation make them interesting targets by which to restore altered metabolic functions in liver, muscle, adipose tissue, kidney, and brain. In this context, this Special Issue will cover the latest developments in the physiological and pathological functions of PPARs in different organs, including their responses to nutrition and physical exercise. It will explore processes regulated by PPARs, either by natural or synthetic agonists or antagonists, affecting cellular and whole-organism metabolism. Moreover, this Special Issue welcomes the submission of original research papers and reviews that cover multiple aspects of PPAR-mediated actions, including the modulation of signaling pathways in healthy and diseased organisms, the development of novel receptor ligands for of all three PPAR isotypes, and the structural biology of these nuclear receptors.

Guest Editor

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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