



PPARs as Key Regulators in Different Diseases

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

It is well-known that sedentary living and high-fat food result in a chronically sick, there is no doubt that peroxisome proliferator-activated receptors (PPARs) α , β/δ , and γ play key roles as modulators of lipid homeostasis, in addition to having effects on a variety of cell signals involved in cellular differentiation, inflammation, tumorigenesis, etc. If, on the one hand, this makes PPARs and their ligands appealing for their therapeutic potential, on the other hand, their “pluripotent functionality” is associated with a negative perception of PPAR targeting because of insidious side effects that result from this feature. This Special Issue light on new perspectives on PPARs targeting, in terms of both metabolic diseases and other pathologies, with special attention to the structural aspects governing PPARs functions. Alternatively, we would like to invite articles that address the above-mentioned issues either from a structural or a biological perspective. Any original research papers contributing to advancing our understanding of molecular mechanisms underlying PPARs functions by presenting innovative interpretations are highly welcome.





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