



Regulatory Role of PPARs in the Disease

Guest Editor:

Prof. Dr. Iwona Bogacka

Department of Animal Anatomy
and Physiology, University of
Warmia and Mazury in Olsztyn,
Olsztyn, Poland

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Message from the Guest Editor

Peroxisome proliferator-activated receptors are members of the nuclear receptor superfamily comprising the following three isoforms: PPAR α , PPAR β/δ , and PPAR γ . They act as ligand-dependent transcription factors activated by fatty acids and fatty acid derivatives. All PPARs are mostly involved in the regulation of lipid and glucose metabolism as well as maintenance of energy homeostasis. Their role has been highlighted in adipogenesis, cell proliferation, and differentiation as well as vascular biology. PPARs have been functionally related to numerous pathological conditions such as obesity, diabetes, cancer, inflammation, and cardiovascular and neurodegenerative diseases. Therefore, PPARs can be considered as important therapeutic targets to treat a wide range of human diseases. This Special Issue of the International Journal of Molecular Sciences will focus on the function of PPARs in the ensemble of pathophysiological processes at the molecular level, including their potential significance in medicine. Authors are invited to submit their latest research within the scope of this Special Issue.





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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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