



## PPARs in Cellular and Whole Body Energy Metabolism

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### Message from the Guest Editors

All three peroxisome proliferator-activated receptor (PPAR) isotypes  $\alpha$ ,  $\beta/\delta$  and  $\gamma$ , function as sensors for fatty acids and fatty acid derivatives, and control important metabolic pathways regulating cellular and whole body energy homeostasis. These ligand-dependent transcription factors, which belong to the nuclear receptor superfamily of transcription factors, have been targeted to fight metabolic diseases based on their metabolic regulatory activities in various tissues, in part depending on ligand selectivity. This Special Issue of IJMS will cover the singular and intricate regulatory roles of all three PPAR isotypes in the ensemble of processes that are associated with metabolism in the healthy and diseased organism.

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*Guest Editors*





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