

## Special Issue

# Regulatory Role of PPARs in the Disease

### Message from the Guest Editor

Peroxisome proliferator-activated receptors are members of the nuclear receptor superfamily comprising the following three isoforms: PPAR $\alpha$ , PPAR $\beta/\delta$ , and PPAR $\gamma$ . 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.

### Guest Editor

Prof. Dr. Iwona Bogacka

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

### Deadline for manuscript submissions

closed (31 January 2021)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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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

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