

Special Issue

Mechanisms of Adiponectin Action 3.0

Message from the Guest Editor

Adiponectin is an adipokine circulating in the blood stream and is locally produced by various tissues. The main effect of adiponectin concerns metabolism regulation, since it controls glucose and triglyceride homeostasis, thus helping insulin action in healthy tissues, such as liver and skeletal muscle. Obesity and metabolic syndrome lead to adiponectin decrease, thus predisposing diabetes onset. However, growing evidence suggests a more pleiotropic role of the hormone in different tissues. Adiponectin affects autophagy, cell differentiation, and stem cell behavior, while hypoadiponectinemia has been correlated with several types of cancers. The Special Issue on the topic of “Mechanisms of Adiponectin Action” in the *International Journal of Molecular Sciences* will include a selection of research papers and reviews about various aspects of the molecular and cellular biology of adiponectin. In addition, studies on molecules able to modulate adiponectin signaling, and their possible use in the treatment of pathologies in which adiponectin is involved, will also be considered. Keywords

- Adiponectin
- Metabolism
- Cell signaling
- Differentiation
- Stem cells
- Cancer

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)



International Journal of Molecular Sciences

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Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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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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