

## Special Issue

# Mechanisms of Adiponectin Action

### 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 leads 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, “Mechanisms of Adiponectin Action” of 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.

### Guest Editor

Dr. Tania Fiaschi

Department of Experimental and Clinical Biomedical Sciences “M. Serio”, University of Florence, 50134 Florence, Italy

### Deadline for manuscript submissions

closed (28 February 2019)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/16917](https://mdpi.com/si/16917)

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

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### 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.

---

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)