



Role of the Extracellular Vesicles in Obesity and Related Diseases

Guest Editors:

Dr. María Pardo Pérez

Instituto de Investigación
Sanitaria de Santiago
(IDIS)/Servizo Galego de Saúde
(SERGAS)

Dr. Francisco Jose Ortega

Institut d'Investigació Biomèdica
de Girona (IdIBGi)/ CIBEROBN
and Instituto de Salud Carlos III
(ISCIII)

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

Extracellular vesicles (EVs) have arisen as a complex and very specialized mechanism for cell-to-cell crosstalk at the local (autocrine and paracrine signal) and distant level (endocrine system of communication).

Nowadays, the role of EVs on cell communication relevant to the development of metabolic diseases is still poorly known. There is increasing evidence regarding the implication of circulating EVs in obesity-associated metabolic deregulation. Indeed, EVs shed by an hyperplasic adipose tissue have been demonstrated to be involved in adipocyte/macrophage crosstalk, and also to impact insulin signalling and gene expression in muscle and liver, contributing to the development of metabolic disturbances related to obesity. In addition, the synthesis and release of microRNAs loaded in EVs by adipocytes and activated macrophages found in obese fat depots make them attractive candidate biomarkers for obesity and associated diseases.

We invite researchers to contribute articles focusing on every aspect regarding the role and function of EVs shed by adipose tissue in healthy and pathological conditions including the onset and progression of obesity and its comorbidities.





an Open Access Journal by MDPI

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

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.

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 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI