



Extracellular Vesicles and Tumour Microenvironment 2.0

Guest Editor:

Dr. Francesca Margheri

Department of Experimental and
Clinical Biomedical Sciences
“Mario Serio”, University of
Florence, 50134 Firenze, Italy

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Tumour-derived exosomes are emerging mediators of tumorigenesis. Exosomes are small membrane extracellular vesicles (EVs) (40–150 nm) derived from the luminal membranes of multivesicular bodies and are released via fusion with the cell membrane. Exosomes contain bioactive molecules, such as nucleic acids (DNA, mRNA, miRNA, and other noncoding RNAs), proteins (receptors, transcription factors, enzymes, extracellular matrix proteins), and lipids that can redirect the function of a recipient cell. During primary tumour formation, tumour cells require active communication with neighboring cells and their local microenvironment. In recent years, the critical role of EVs in cell–cell communications between tumour cells and surrounding cells in the primary tumour microenvironment has been highlighted. Here, we focus on the role of EVs, and in particular of exosomes, as critical mediators of intracellular communication between tumour cells and stromal cells in local and distant microenvironments.





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