



Extracellular Vesicles and Tumour Microenvironment

Guest Editor:

Dr. Francesca Margheri

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

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Message from the Guest Editor

Dear Colleagues,

Tumor-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 tumor formation, tumor cells require active communication with neighboring cells and their local microenvironment. In recent years, the critical role of EVs in cell–cell communications between tumor cells and surrounding cells in the primary tumor microenvironment has been highlighted. Here, we focus on the role of EVs, and in particular of exosomes, as critical mediators of intracellular communication between tumor cells and stromal cells in local and distant microenvironments.

Dr. Francesca Margheri
Guest Editor





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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

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