

Special Issue

The Molecular Cargo of Extracellular Vesicles: A Key to Understanding Their Biological Role

Message from the Guest Editors

It is well established that extracellular vesicles (EVs) play a pivotal role in intercellular communication across all kingdoms of life. These membrane-enclosed nanovesicles, actively secreted by cells, transport bioactive molecules including proteins, lipids, metabolites, and nucleic acids, in a protected and functional form, to nearby or distant recipient cells.

The unique molecular cargo of EVs, which mirrors the metabolic and physio-pathological status of the originating cells, acts as a signal in modulating the state and functions of recipient cells.

The aim of this Special Issue is to provide insights on the molecular profiles of EVs derived from various sources and released under different experimental/pathological/physiological conditions. Papers addressing the mechanisms and physiological or pathological significance of EV cargo in cellular cross-talk are particularly encouraged, as well as studies linking the cargo of EVs to their potential use as diagnostic biomarkers or therapeutic tools. Original research articles, methods papers, and reviews on these topics are welcome.

Guest Editors

Dr. Elisabetta Chiaradia

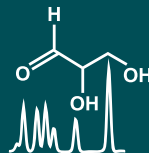
Department of Veterinary Medicine, University of Perugia, Via S. Costanzo 4, 06126 Perugia, Italy

Dr. Sandra Buratta

Department of Chemistry, Biology and Biotechnology, University of Perugia, Via del Giochetto, 06123 Perugia, Italy

Deadline for manuscript submissions

31 March 2026



Metabolites

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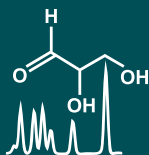


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Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

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