Extracellular Vesicles: From Biology to Biomedical Application

Guest Editor:

Dr. Prakash Gangadaran
Department of Biomedical Science & Nuclear Medicine, School of Medicine, Kyungpook National University, Daegu 41944, Republic of Korea

Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editor

Extracellular Vesicles (EVs), which include small EVs or exosomes and microvesicles, are a subtype of membrane vesicles released from the endocytic compartment of live cells. EVs play an important role in local and distant cell-to-cell communication. EVs are able to transport functional biological cargoes (nucleic acids, lipids, proteins, etc.). These aspects of drug delivery are essential for the field of gene therapy. Recent studies have shown that EVs may be used to encapsulate and protect exogenous siRNA/miRNAs or edogeneous miRNA/mRNA for delivery to target cells. Thus, EV-mediated nanodelivery is very promising and may bridge the gap in current delivery systems for systemic gene therapy.

Special Issue

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana
Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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, CAPlus / SciFinder, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us