Special Issue

Drug Delivery Systems Based on Extracellular Vesicles

Message from the Guest Editors

Recently, emerging evidence that extracellular vesicles (EVs), including exosomes, play a critical role as new drug delivery systems and biomarkers has attracted attention. Through intercellular communications, EVs can mediate cargo transport, such as proteins, lipids, and nucleic acids, and particularly non-coding RNAs, leading to functional modulations of key molecules in both physiological and pathological conditions, such as proliferation, differentiation, apoptosis, inflammation, regeneration, or immune tolerance. This Special Issue aims to highlight the latest research on the role, purification, biogenesis, and structure of EVs in physiological or pathological areas. The topics that we intend to cover include (but are not limited to) the following:

- Intercellular communications by EVs and miRNAs;
- Drug delivery systems through EVs;
- Purification, biogenesis, and structure of EVs.

We welcome both research and review articles and look forward to receiving your contributions.

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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open accessjournal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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