Special Issue

Extracellular Vesicles and Nanoparticles: Mechanisms of Cellular Communication, Disease Regulation, and Biomarker Discovery

Message from the Guest Editors

Extracellular vesicles (EVs) are increasingly identified as important players in the progression of disease by enhancing the underlying mechanisms of infection. Similarly, EVs may serve as transporters of biological "messages" allowing for the evasion of the immune system and targeting of specific cells. The overall goal of this Special Issue is to bring together expertise from the fields of infectious diseases, cell-to-cell communication, immunology, CNS, diagnostics, biomarker discovery, and nanoparticle technology to elucidate the role of EVs in the interphase between the immune system, central nervous system (CNS), and disease progression. Based on your expertise, we invite you to contribute with an original report, original observation or review, to highlight (i) mechanisms of EV biogenesis, (ii) immune pathways affected by EVs, (iii) mechanisms of EV invasion into the CNS, (iv) nanoparticle synthesis or use in diagnostics of disease, and (v) recent advances in EV-based therapeutics.

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Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

Editor-in-Chief

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