Special Issue

Extracellular Vesicles in Human Infectious Diseases

Message from the Guest Editors

Extracellular vesicles (EVs), including exosomes and larger membrane-bounded particles like microvesicles, are becoming key players in intercellular communication, being released by all cell types under homeostatic, activated or pathological conditions. In the field of infectious diseases, EVs play a key role in both inter-pathogen communication and host–pathogen interaction thanks to their unique cargo of nucleic acids, proteins, metabolites and lipids, which they vehiculate between cells. A more in-depth understanding of the functional role of EVs can reveal novel therapeutic targets and vaccine candidates, as well as novel diagnostic or prognostic markers for infectious diseases. The purpose of this Special Issue is to share the latest advances in the field of EVs, both pathogen- and host-derived, in the context of infectious diseases of clinical interest. The contribution of EVs in opening novel avenues towards the introduction of new diagnostic or prognostic tools as well as the evaluation of vaccine candidates will also be explored.

Guest Editors

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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