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Extracellular Vesicles in Pathogens

Guest Editor:

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Message from the Guest Editor

Extracellular vesicles (EVs) define the structures, surrounded by a typical bilayer lipid membrane bearing integral proteins, which can carry diverse cargo outside the cell to distant sites. Although EVs have a diameter of 20 – 1000 nm. In microorganisms, EVs carry protein, glycoprotein, mRNA, and small RNA species, as mammalian EVs. The EV types are defined by their origin, i.e., exosomes, when derived from multivesicular bodies, microvesicles, and ectosomes, when derived from cell membrane budding or invagination, and apoptotic bodies. EVs can mediate intercellular communication through distant signaling both in physiological processes and pathological progression.

This Special Issue encourages submissions of original articles or reviews covering all aspects related to these structures. The articles that focus on EVs from bacteria, fungi, parasites, and viruses. Subjects of special interest are the functional roles of EVs interaction with host cell, signaling and, characterization of EV subpopulations, variations in EV contents and morphology following specific culture conditions, EV markers, vaccination, biomarkers, diagnostic, clinical application, and Therapies.

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Message from the Editor-in-Chief

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