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The Role of Extracellular Vesicles in Chronic Inflammatory and Immune Processes

Guest Editor:

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Deadline for manuscript submissions:

closed (20 August 2022)

Message from the Guest Editor

Dear Colleagues,

Extracellular vesicles (EVs) comprise several classes of cell-derived nanoparticles secreted or passively shed by cells. EVs are evolutionarily conserved and play central roles in cellular communication. As such, mounting evidence points to their utility not only as diagnostic and prognostic markers of disease but also as therapy. Indeed the mechanism of action of many cell therapies relies on the secretion of EVs to mediate these effects. A central function of EV therapy revolves around their immunomodulatory bioactivity including attenuating the innate and adaptive immune response.

The focus of this special issue is the mechanism by which EVs and their constituents disrupt chronic inflammation in a variety of disease contexts. Chronic inflammation comprises the inflammasome pathway, innate immune, and adaptive immune activation.

Dr. Ahmed Ibrahim
Guest Editor



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Special Issue



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