

Special Issue

Challenging World of Extracellular Vesicles and Their Role in Diseases

Message from the Guest Editor

Extracellular vesicles (EVs) are nanometer-sized particles surrounded by a lipid bilayer. They serve as eliminators of unwanted material from cells. They are produced constitutively or upon activation due to external and internal triggers. The cargo includes proteins, lipids, and nucleic acids. Their molecular composition, number and size change depending on microenvironmental factors, external triggers and different pathophysiological circumstances. Therefore, they can be an integral part of the formation of different diseases. They have a critical role in the development and progression of autoimmunity. In this disease, EVs containing antigens are produced by autoimmune organs, and these microparticles can train immune cells on how to react. In addition to the illustrative examples above, there are many others where EVs can play a central role in disease formation, progression and severity. In this Special Issue, all articles are welcome which investigate the link between different diseases and extracellular vesicles, or which focus on pathophysiological processes driven by EVs.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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