



Extracellular Vesicles in Allergy, Autoimmunity and Immune Regulation

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Message from the Guest Editors

Extracellular vesicles (EVs), such as exosomes, receive special attention due to their involvement in systemic intercellular communication and capability of delivering various immune regulatory molecules, including non-coding RNAs. This EV-mediated transfer of genetically-encoded information is unprecedented and paradigm breaking. Increasing prevalence of allergic and autoimmune diseases urges researchers and clinicians to search for new and efficient treatments. Accordingly, recent advances in understanding complex functions of EVs in hypersensitivity reactions make them promising candidates for creating a new pathway in specific immunotherapy, firstly by complimenting the existing treatments to reduce the toxic side effects and increase the specificity, and secondly by altering the unwanted immune responses underlying allergic or autoimmune disorders.

Therefore, this Special Issue is aimed at presenting the comprehensive studies on the functions of EVs in allergies and autoimmune diseases, as well as in regulation of immune responses.





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Message from the Editor-in-Chief

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