

Special Issue

Cutting-Edge Research and Applications of Extracellular Microvesicles in Disease Management

Message from the Guest Editor

Research on extracellular microvesicles (EMVs) at the molecular level is a rapidly advancing field with transformative implications for disease management. EMVs, derived from cells, act as essential mediators in intercellular communication, transporting a diverse array of bioactive molecules. The cargoes of extracellular microvesicles reflect core intracellular processes, and their functional properties may regulate fundamental biological and pathological processes. Their composition, reflecting the physiological state of parent cells, holds significant value for diagnostics and therapies. In developmental biology, EMVs influence signaling pathways, cell differentiation, and the coordination of developmental events, offering insights into regenerative medicine. This Special Issue of the *International Journal of Molecular Sciences* focuses on the molecular research and applications of extracellular microvesicles in disease management, welcoming both original research articles and reviews that address the perspective of highly targeted and personalized therapies, marking a paradigm shift in disease management.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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