

Special Issue

Extracellular Vesicles in Cardiovascular Biology and Therapeutics

Message from the Guest Editors

Extracellular vesicles (EVs) are not only valuable tools for therapeutic modulation and gene delivery, but also for biomarker discovery in many human diseases. In the current Special Issue, the major aim is to revisit and propose improved methods to detect and modulate EVs using EV-specific experimental and bioinformatic approaches. Understanding EV biology, regardless of physiological or pathological relevance, is at the forefront of improving our understanding of human health and disease. Given that our interests lie in improving the current understanding of the fundamental biology of EVs and EV-based therapeutics, at both experimental and bioinformatic levels, we invite articles addressing the following topics: (1) RNAs (e.g., miRNA, lncRNA) secreted via EVs; (2) Identification of EV-based biomarkers (RNA, protein); (3) Mapping of novel proteins to EV-mediated secretion; (4) EV-based gene regulation in recipient cells; (5) Selective loading of RNA and protein to EVs; (6) EV-based therapeutics; (7) Characterization of EV protein and RNA content. Key words: exosomes; extracellular vesicles; EV; miRNA; therapeutics; cardiovascular; extracellular RNA

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