

Special Issue

Extracellular Vesicles: Potential Roles in Regenerative Medicine

Message from the Guest Editor

Extracellular vesicles (EVs) are secreted by most cells and exert their effects by fusion to the target cells and transferring their cargo, which may include bioactive molecules. EVs are modulators of ECM turnover, angiogenesis, immune responses, stem cell survival, proliferation, and differentiation and have important roles in pathological conditions, such as cancer, inflammation, cardiovascular diseases, diabetes, as well as in wound healing. Since EVs can deliver to specific target cell their contents that can also be modified by design and influence, the behavior of recipient cells suggests the potential of EVs as therapeutic delivery vehicles. Mesenchymal stem cell derived exosomes have protective activities in myocardial infarction, stroke, brain injury, and potential in enhancing cutaneous and corneal wound healing. Thus, EVs have a great potential for treatment of a variety of diseases due to their high stability and low immunogenicity. They can be loaded easily with drugs, miRNAs, or proteins of interest and then injected systemically or locally into the target tissues. For further information, please visit the Special Issue [website](#).

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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