

Special Issue

Therapeutic Applications of Extracellular Vesicles

Message from the Guest Editors

Extracellular vesicles (EVs) appear as a new promising cell-free therapy in regenerative medicine. A large variety of preclinical data have shown the effect of EVs in acute and chronic tissue kidney, lung, hearth, liver, and brain injury, to name but a few. The interest in EVs for therapeutic applications is related to their characteristics of safety, targeting ability, and multitarget properties. In particular, EVs derived from stem cells such as mesenchymal stromal cells are among the most studied EV sources. The possibility to engineer EVs and enrich their cargo opens new scenarios. The aim of this Special Issue is to provide an overview of the knowledge about the regenerative role of EVs, focusing on their therapeutic applications. This Special Issue will summarize the application of EVs in preclinical models of acute and chronic tissue injuries, comparing animal models, EV sources, including their subfractions, doses, routes of administration, and efficacy of treatment.

Guest Editors

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).