

Special Issue

Understanding the Extracellular Vesicles (EVs)-Mediated Horizontal Transfer of Non-coding RNAs

Message from the Guest Editors

Extracellular vesicles (EVs) differ in size, surface antigen, and origin; however, they have in common the ability to transport non-coding RNAs between cells. Among them, small RNA families are the most abundant; these include small nuclear RNAs, small nucleolar RNAs, ribosomal RNAs, transfer RNAs, and miRNAs. More recently, larger RNAs groups, including mitochondrial RNAs, Y RNA, vault RNA, piwi RNA, and long non-coding RNA, have also been found in EVs isolated from different cytotypes. Today, a direct effect in receiving cells has been demonstrated only for some of these RNA families, whereas for the vast majority of them a functional role is only hypothesized. Equally still unclear are the strategies that cells adopt for selective loading into EVs of specific RNAs. This Special Issue will collect original research articles and reviews, providing a picture of the current advances in this field to improve the understanding of the functional roles of EV-associated ncRNAs in physiopathology. We welcome papers from basic and clinical researchers, as well as in vitro and in vivo studies.

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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