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

Dr. Alice Conigliaro

Department of Biomedicine, Neuroscience and Advanced Diagnostics (Bi.N.D.), Section of Biology and Genetics, University of Palermo, 90133 Palermo, Italy

Dr. Carla Cicchini

Department of Molecular Medicine, Sapienza University of Rome, Rome, Italy

Deadline for manuscript submissions

closed (15 May 2025)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 11.4
Indexed in PubMed

mdpi.com/si/142285

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 11.4
Indexed in PubMed

mdpi.com/journal/cells

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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).