

Special Issue

Extracellular Vesicles and Cell Therapies in Regenerative Nephrology and Urology

Message from the Guest Editors

Extracellular vesicles (EVs) act as key intercellular communication mediators in kidney disease pathogenesis, diagnosis, and therapy. In CKD and AKI, EVs from diverse cell types carry microRNAs (miRs) regulating inflammation, fibrosis, and tissue repair.

Recent advances highlight EVs and miRs as promising regenerative tools, offering novel strategies to restore renal function and impede disease progression. EVs enriched with disease-specific miRs also gain traction for non-invasive diagnostic biomarkers in nephrology/urology.

Unraveling EV-miR complexity requires artificial intelligence (AI) for analyzing large datasets. AI-driven approaches enhance predictive biomarker identification, personalized treatments, and EV-therapy development.

This Special Issue invites original research and reviews on EV/miR innovations in kidney diseases, regenerative medicine, biomarker discovery, and AI-integrated nephrology/urology diagnostics/therapeutics.

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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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