

Editorial: broadening the scope of ExRNA



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Since its establishment, ExRNA has been dedicated to advancing the understanding of extracellular RNA biology and its translational potential. As the field continues to evolve, extracellular RNA research has expanded far beyond the characterization of individual RNA species and now encompasses complex mechanisms of intercellular communication, extracellular vesicle biology, biomarker discovery, therapeutic development, and clinical translation.

To reflect these advances, ExRNA has updated its Aims and Scope to provide a broader and more inclusive platform for the scientific community. In addition to studies on extracellular RNA biology, function, and molecular mechanisms, the journal now explicitly welcomes research on extracellular vesicles and other RNA carriers, RNA-based therapeutics and delivery systems, technological and methodological innovations, translational and clinical investigations, and precision medicine applications.

Importantly, the updated scope also recognizes the increasingly interconnected nature of intracellular and extracellular RNA biology. Studies focused on intracellular RNA regulation are now welcomed when they provide mechanistic insights into extracellular RNA biogenesis, sorting, trafficking, function, regulation, or therapeutic application.

Beyond biomedical research, ExRNA is expanding into emerging interdisciplinary areas, including agricultural and food-related RNA research, environmental and ecological RNA studies, environmental RNA (eRNA)-based monitoring, and RNA-mediated interactions across organisms and ecosystems. These additions reflect the growing impact of extracellular RNA research across diverse biological systems and application domains.

By embracing these expanding frontiers, ExRNA aims to foster interdisciplinary collaboration, stimulate innovation, and accelerate the translation of extracellular RNA discoveries into meaningful scientific, clinical, agricultural, and environmental advances. We welcome contributions from researchers across these rapidly developing fields and look forward to supporting the next generation of discoveries in extracellular RNA science.

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