Special Issue

The Role of Extracellular Vesicles (EVs) in Cell-to-Cell Communication

Message from the Guest Editor

Extracellular vesicles (EVs) are membrane-bound particles released by cells that play a crucial role in cell-to-cell communication. In cancer, EVs are involved in various stages of tumorigenesis:

- Initiation: EVs carry oncogenic factors such as proteins, RNAs, and microRNAs that promote the transformation of normal cells into cancerous cells. They facilitate the creation of a tumor-friendly environment by modulating immune responses and altering the behavior of surrounding cells.
- Progression: During tumor progression, EVs contribute to the growth and survival of cancer cells. They support angiogenesis (the formation of new blood vessels) and help in remodeling the extracellular matrix, which provides structural support for tumor expansion.
- Metastasis: EVs play a pivotal role in metastasis by preparing distant sites for tumor cell colonization. They aid in the detachment of cancer cells from the primary tumor, their survival in the bloodstream, and their invasion into distant organs.

This Issue's scope is the three stages of tumorigenesis listed above, and we are accepting original research articles, reviews, and brief reports that focus on these areas.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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