Special Issue

Extracellular Matrix and Vesicles as Immunomodulatory Therapeutics

Message from the Guest Editors

In this Special Issue of Pharmaceutics, titled "Extracellular Matrix and Vesicles as Immunomodulatory Therapeutics", we delve into the implications of utilizing extracellular matrix (ECM)-based biomaterials and extracellular vesicles (EVs) as immune responsemodulating agents. ECM and EVs play essential roles in the response and coordination of the immune system in health and disease, which qualifies them as powerful tools (both on their own or combined) for immunomodulatory agents. The importance of this field is further underscored by their potential to develop targeted immunotherapies and chronic inflammation treatments with enhanced efficacy and reduced side effects. Hence, the purpose of this Special Issue is to showcase the latest research on the pharmaceutical applications of ECM and extracellular vesicle-based therapeutics alone or combined, including their design, optimization, and therapeutic immunomodulatory efficacy. This collection aims to provide a comprehensive overview of how these innovative approaches can be harnessed to advance drug delivery and immunomodulation to clinical translation.

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Deadline for manuscript submissions

30 September 2025



Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



mdpi.com/si/218951

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Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



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