

Special Issue

Advances in Dendritic Cell-Based Delivery Systems

Message from the Guest Editors

Pharmaceutics is excited to announce a Special Issue on “Advances in Dendritic Cell-based Delivery Systems”. Dendritic cells (DCs) are potent antigen-presenting cells that play a critical role in modulating the immune response, making them a promising platform for therapeutic delivery in cancer immunotherapy, infectious diseases, and autoimmune disorders. Recent advancements in dendritic cell-based delivery systems have focused on improving antigen loading, enhancing DC maturation, and optimizing their migration to lymphoid tissues for precise immune activation. Innovations such as nanocarriers, biomaterials, and genetic engineering have further advanced the potential of DC-based therapies, leading to improved efficacy and safety profiles. This Special Issue will explore the latest breakthroughs in dendritic cell delivery systems, including methods for antigen delivery, targeting strategies, and clinical applications. Contributions addressing challenges such as scalability, standardization, and the integration of DC-based systems with other immunotherapeutic approaches are particularly encouraged.

Guest Editors

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