

Special Issue

Innovative Therapeutic Delivery Strategies for Brain Tumors: Overcoming Barriers and Modulating the Tumor Microenvironment

Message from the Guest Editors

Brain tumors remain one of the most challenging malignancies due to their complex tumor microenvironment, the presence of the blood–brain barrier, and their ability to evade immune responses. Advanced therapeutic delivery systems, including drug formulations, gene therapy, and immunotherapy, have emerged as promising strategies for enhancing treatment efficacy. This Special Issue aims to gather cutting-edge research on innovative delivery methods and their effects on the tumor microenvironment, immune responses, and surrounding tissues. We welcome the submission of original research and review articles covering novel drug delivery technologies, their mechanisms of interaction with brain tumor microenvironments, and translational and clinical findings. This collection will provide valuable insights for researchers and clinicians working toward improved therapeutic strategies for primary and metastatic brain tumors.

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