

cancers

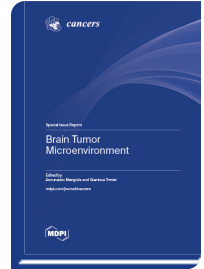


Special Issue Reprint

Brain Tumor Microenvironment

www.mdpi.com/books/reprint/10451

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ISBN 978-3-7258-2924-8 (Hardback)
ISBN 978-3-7258-2923-1 (PDF)

This Special Issue explores the brain tumor microenvironment, a complex interplay crucial for tumor behavior. We aim to achieve the following: characterize tumor microenvironment features; investigate cell–environment interactions; identify novel therapeutic targets; understand the role of extracellular vesicles; develop and validate preclinical models; and integrate advanced imaging. Gliomas, like glioblastoma, pose significant challenges due to their aggressive nature and resistance to therapies. By understanding the microenvironment, we can develop more effective treatments, improve patient outcomes, and advance our understanding of tumor biology.

This Special Issue is for neuroscientists, oncologists, radiologists, immunologists, pharmacologists, and researchers. This work builds upon research emphasizing the heterogeneity of the brain tumor microenvironment, the importance of patient-derived models, the role of extracellular vesicles in tumor progression, and the potential of artificial intelligence. By exploring these intricate interactions, we can unlock new avenues for therapeutic intervention and ultimately improve patient outcomes.



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