

Special Issue

Glioma Cell Invasion

Message from the Guest Editor

Tumour cell invasion is a key hallmark in primary malignant brain cancer in both adults and children and remains one of the most critical factors involved in therapeutic resistance and recurrence. Lacking somewhat in the literature is how components of the tumour microenvironment (which change during tumour growth and in response to therapy) work together to support tumour growth, resistance, adaptation and recurrence. The aim of this Special Issue is to bring together specific areas and provide a broad overview on the topic of “Microenvironmental Influences on Glioma Cell Invasion” in the context of cell to cell bidirectional and unidirectional communication, molecular/signalling drivers, immunologic perspectives, metabolic influences, physical/mechanical perspectives, flow dynamics (vascular and CSF), radiation and therapeutic effects, mathematical models, and future perspectives on translational considerations. In addition, the types or modes of tumour dissemination will also be a topic.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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