

# 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.

Prof. Helen L. Fillmore

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### Guest Editor

Prof. Geoffrey J. Pilkington

Cellular and Molecular Neuro-oncology Research Group, Institute of Biomedical and Biomolecular Sciences, School of Pharmacy and Biomedical Sciences, University of Portsmouth, St Michael's Building, White Swan Road, Portsmouth, PO12DT, UK

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### Deadline for manuscript submissions

closed (30 September 2017)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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