

Special Issue

Invasion and Metastasis in Brain Cancer

Message from the Guest Editors

Brain metastases are the pathological outcome of uncontrolled tumor growth. Brain metastasis is defined as originating in brain tissue itself or originating in peripheral organs, including breast, lung, colon, and others. Patients with brain metastasis may have congenital dysfunction and various neuropathological symptoms, resulting in poor quality of life and shorter life expectancy. Metastatic brain cascade is complex and requires crosstalk between many processes, including regulation of the brain microenvironment, blood–brain barrier (BBB), high-energy consumption, nutrition demands, and regulation of the cytoskeletal system. These distinctive characteristics of tumors contribute to their unique physiological status and make them difficult to manage and treat. Research in this field is crucial in determining the factors that control development and behavior of brain metastasis and tissue invasion. Our mutual goal as molecular oncologists is to find new and more effective treatment to improve the life of those affected by this disease. This Special Issue on metastasis and invasion of the brain by cancer will explore new molecular findings on this topic.

Guest Editors

Dr. Aleksandra Glogowska

Max Rady College of Medicine, Human Anatomy and Cell Science, 130-745 Bannatyne Avenue, University of Manitoba, Winnipeg, MB R3E 0J9, Canada

Dr. Saeid Ghavami

Department of Human Anatomy & Cell Science, College of Medicine, Faculty of Health Sciences, University of Manitoba, Winnipeg, MB, Canada

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4052 Basel, Switzerland
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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.

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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