

Special Issue

Molecular Regulation of Cancer Cell Migration, Invasion, and Metastasis

Message from the Guest Editor

Cancer metastasis represents an advanced stage of malignancy and is the leading cause of cancer-therapeutic failure and related deaths. Metastasis is a multistep process that includes loss of cell polarity, tissue disorganization, and cancer cell migration and invasion, which are all hallmarks of cancer. To spread through the tissues and disseminate faraway, tumor cells use mechanisms involving several molecular actors: adhesion receptors, receptor tyrosine kinases, cytoskeleton proteins, and adapter and signaling proteins. An overarching feature of malignant progression, particularly in the case of carcinoma (i.e., epithelia-derived solid cancer), is the acquisition of cell migration. Carcinoma can take a variety of different, frequently interchangeable modes of migration that drive the dissemination of individual or collective entities. The concept of migratory plasticity has emerged as dominant in oncology. The intent of this Special Issue on “Molecular Regulation of Cancer Cell Migration, Invasion, and Metastasis” is to dissect the molecular mechanisms at the base of cancer cell migration and invasion strategies.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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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