

Special Issue on **Molecular Regulation of Cancer Cell Migration, Invasion, and Metastasis**

CALL FOR PAPERS

Cancer metastasis represents an advanced stage of malignancy and is the leading cause of cancer-related deaths. Metastasis is a multistep process that includes migration and invasion of cancer cells, hallmarks of malignancy. These processes require the involvement of a wide array of cellular mechanisms led by cytoskeleton dynamics as well as molecular alterations such as expression of adhesion and proteolytic enzymes. Cell migration in itself is a highly integrated process that includes development of cytoplasmic protrusions, attachment, and traction. Additional secondary changes associated with cell migration and invasion include production of reactive oxygen species (ROS), development of chemoresistant cancer stem cells, introduction of mutations in DNA damage repair genes, and contribution of microRNAs (miRNAs). Cell release of exosomes and their participation in modulating cell behavior are a new and exciting observation.

We invite researchers to contribute original research papers as well as review articles that address cellular and molecular factors that impact migratory and invasive cell behavior.

Potential topics include but are not limited to the following:

- ▶ The role of actin-binding proteins in cancer migration and invasion
- ▶ The role of miRNAs in cancer invasion and metastasis
- ▶ The effect of oxidative stress on cancer cell metastasis
- ▶ DNA damage repair during cancer cell metastasis
- ▶ The role of exosomes in cancer migration and invasion
- ▶ Epithelial-mesenchymal transition during cancer cell migration and invasion
- ▶ Recent advances in cancer stem cells and metastasis

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/acp/mrcc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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