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## Mechanisms of Cancer Cell Invasion

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Deadline for manuscript submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

Regulated cell migration and invasion is a fundamental process in the multicellular organism for tissue formation in morphogenesis and in adults for wound healing. Deregulated cell migration can take place under pathological conditions, such as in cancer and in inflammatory diseases. In cancer, oncogenic transformation and persisting cell proliferation are frequently coupled to the early onset of cancer cell motility. These abilities to migrate result either from the loss of cell–cell junctions, altered intracellular signaling, or production of promigratory factors, such as chemokine gradients or growth factors produced by the tumour microenvironment. Tumour cells can locally migrate and invade the tissues. These abilities also allow their entry in the blood or lymphatic network for metastatic dissemination. Their extravasation from the vessels' networks necessitate specific invasive properties to settle in distant organs.

This Special Issue will focus on recent studies on the underlying molecular and cellular mechanisms of cancer cell invasion.

Dr. Isabelle Vilgrain

Dr. Gilles Pages

*Guest Editors*



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Special Issue



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*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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