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Cell Adhesion/Migration in Tumor Metastasis

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Deadline for manuscript
submissions:

closed (31 August 2024)

Message from the Guest Editor

Dear Colleagues,

Cell migration plays critical roles in many physio-pathological processes, including cancer progression. Tumour metastasis is a deadly consequence of tumour cell invasion and dissemination. In addition, 2D cell migration in specific extracellular matrixes typically relies on the formation of protrusions, mechanosensitive cell attachment to the ECM, actin-based force generation to propel cell movement and finally, adhesion disassembly at the cell rear. Following the in-depth study of the key steps of the process, new regulatory pathways and accessory proteins are emerging. At the same time, the availability of new tools to address how the cells move in a 3D environment is adding to the complexity of how this coordinated event has to be regulated. The aim of this Special Issue is to compile original and review articles that deal with cell invasion and migration in 2D as well as 3D. Work that presents new innovative technical approaches or protein functions related to this process are very welcome.

Dr. Daniel Bouvard

Guest Editor



mdpi.com/si/170273

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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