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Biomarkers in Inflammation and Angiogenesis

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Message from the Guest Editor

Immune cells are involved in the mechanisms of endothelial cell proliferation, migration, and activation through the production and release of a large spectrum of pro-angiogenic mediators. These may create a specific microenvironment that favors an increased rate of tissue vascularization. Rudolf Virchow first proposed the link between chronic inflammation and tumorigenesis and first established a causative connection between the lymph reticular infiltrate at sites of chronic inflammation and the development of cancer. Tumors were described as wounds that never heal, and surgeons have long described the tendency of tumors to recur in the healing resection margin, and it has been reported that the wound healing environment provides an opportunistic matrix for tumor growth. The Special Issue will provide more recent literature data concerning biomarkers of inflammation and angiogenesis. The latter is the result of a net balance between the activities exerted by positive and negative regulators. It will provide more recent information on some anti-angiogenic properties of immune cells that may be utilized for pharmacological use as anti-angiogenic agents in inflammation and cancer.



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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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