

Special Issue

Cross-Talk between Blood Vessels and Inflammatory Cells

Message from the Guest Editor

Persuasive evidence supports the critical role that interplays between blood vessels and inflammatory cells have in driving the adaptive immune response in diverse disease processes exemplified by rheumatoid arthritis, osteoarthritis, inflammatory bowel diseases, and cardiovascular disorders. In many disease processes, the migration of leukocytes via activated venules serve as a signal for driving effector non-immune and immune cells to migrate to sites of infection, tissue injury, and cell stress. This scenario also supports an interaction between vascular endothelial cells and smooth muscle cells serving as a prerequisite for initiating an inflammatory response in muscle. This Special Issue of *Cells* focuses on the fundamental molecular and cellular underpinnings that govern the interactions between blood vessels and inflammatory cells as well as the critical role that transcription factors, interleukins and Toll-like receptors, to name only a few, play in regulating these highly complex processes.

Guest Editor

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About the Journal

Message from the Editorial Board

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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