

Special Issue

Regulation of Vascular Endothelial Growth Factor (VEGF) and Its Receptor (VEGFR) in Angiogenesis

Message from the Guest Editors

Angiogenesis is a finely regulated process, and it typically occurs in physiological settings such as embryonic development and organ lining, as well as during the menstrual cycle, muscle growth, and tissue repair. However, aberrant neovascularization may arise due to pathological mechanisms that trigger an imbalance between anti-angiogenic and pro-angiogenic stimuli, including the over-activation of the VEGF/VEGFR system. Thus, angiogenesis is involved in several non-neoplastic conditions such as retinopathies, age-related macular degeneration, autoimmune diseases, and arterosclerosis. Moreover, angiogenesis strongly contributes to tumor progression and metastatic dissemination. Therefore, anti-angiogenic strategies targeting the VEGF/VEGR family could provide valid therapeutic options in a wide-range of pathological conditions. In this frame, this *Special Issue* will collect both original works and reviews aimed at clarifying the mechanisms involved in the regulation and dysregulation of the VEGF/VEGFR signaling axis, and we will explore novel anti-angiogenic strategies directed against VEGF/VEGFR.

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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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