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

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Deadline for manuscript submissions:

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### 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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**Special** Issue



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