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Angiogenic Growth Factors in Tumor Development: Beyond New Blood Vessels Formation

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Message from the Guest Editors

Accumulating evidence indicates that angiogenic growth factors (AGFs) are involved in tumor growth and progression via multiple mechanisms that go beyond their angiogenic role. Indeed, within the tumor microenvironment (TME), AGFs produced by tumor and inflammatory cells create a tolerogenic milieu that allows the escape of cancer cells from immune recognition and elimination. Therapeutic strategies targeting AGFs to restore vessel normalization have been found to improve antitumor immunity and, in turn, immune-mediated mechanisms can regulate the response to antiangiogenic therapy.

In this Special Issue we welcome the submission of reviews, mini-reviews, and original research articles that can offer new insights into the following topics:

- The multifaceted relationship between AGFs and cells of innate and adaptive immunity in the TME;
- Reciprocal interplay between immune cell types in a TME characterized by AGFs upregulation;
- Role of AGFs in endothelial-immune cell cross-talk during vascular inflammation and metastasis;
- Prediction and optimization of cellular responses to therapeutic strategies based on AGF-targeting agents and immune-checkpoint inhibitors.



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Special Issue



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Message from the Editor-in-Chief

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