

Special Issue

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

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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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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