

Special Issue

Advances in Cancer Metastasis Modeling: From Mechanisms to Therapies

Message from the Guest Editor

Cancer metastasis remains the primary cause of cancer-related mortality, thus posing significant challenges to diagnosis and treatment. The development and refinement of accurate and predictive cancer metastasis models are crucial for unraveling the complex biological mechanisms that promote this process and for identifying novel therapeutic targets. This Special Issue aims to highlight the latest advancements in the modeling of cancer metastasis, encompassing *in vitro*, *in vivo*, and *ex vivo* approaches, as well as computational and artificial intelligence-driven models. We welcome the submission of articles that explore various aspects of metastasis, including the intricate interplay between tumor cells and the metastatic niche, the role of the tumor microenvironment, mechanisms of drug resistance in metastatic settings, and the identification of prognostic and predictive biomarkers. Ultimately, this collection will serve as a valuable resource for researchers striving to translate groundbreaking discoveries into enhanced patient outcomes via innovative modeling strategies.

Guest Editor

Dr. Yi-Hui Wu

Department of Medical Research, Chi Mei Medical Center, Tainan, Taiwan

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Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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