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Cellular and Metabolic Reprogramming in Cancer

Guest Editors: Message from the Guest Editors **Dr. Evangelos Kolettas** Dear Colleagues, Cancer is a heterogeneous disease caused by genetic and Dr. Maria Georgiadou epigenetic changes conferring characteristic properties to Dr. Eugenia Roupakia cancer cells. Cancer cells have the capability to modify and reprogram their cellular metabolism in order to support biomass production and proliferation. Deadline for manuscript Cellular and metabolic reprogramming can occur in submissions: response to both intracellular and extracellular signals, closed (31 December 2023) including growth factors and cytokines, ECM remodelling and chronic inflammation. Cellular and metabolic reprogramming contributes to acquired drug resistance to anti-cancer agents, significantly limiting patient survival. The purpose of this Special Issue is to focus on cutting edge

research and cover advances on cellular and metabolic reprogramming in malignancies, including cancer stem cells and differentiation, extracellular matrix remodeling, metabolic switches, and anticancer strategies, their therapeutic potential, benefits, possible complications, and pitfalls of such approaches. We invite authors to submit original and novel review articles on basic and translational research.

- cancer
- stem cells
- differentiation
- cellular reprogramming
- metabolic reprogramming/adaptation









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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

Message from the Editor-in-Chief

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