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Combating Cancer Stemness and Drug Resistance with Natural-Product Derived Lead Structures

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Message from the Guest Editors

Dear Colleagues,

Tumor development encompasses a complex interplay of abnormal cell proliferation and differentiation and a high degree of cellular heterogeneity and epithelial-mesenchymal transition (EMT). To date, targeted drug therapy and chemotherapy are the main pharmaceutical treatment options. Thus, the concept of elimination or "resensitization" of resistant cells within the heterogenous tumor cell population with natural compounds or synthetic derivatives to increase chemotherapy success rates by combating drug resistance and cancer stemness is promising.

This Special Issue of Molecules on "Combating Cancer Stemness and Drug Resistance with Natural-Product-Derived Lead Structures" will include articles and reviews focused on the most recent advances in the identification and pharmacological characterization of natural products or novel synthetic lead structures to target drug-resistant cancer cells and resistance-promoting tumor-associated cells within the tumor microenvironment or cancer stem cells.

Prof. Dr. Nicole Teusch Guest Editor













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Editor-in-Chief

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Message from the Editor-in-Chief

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