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Tumor-Promoting Functions of DNA Damage and Stress Response Signaling

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Message from the Guest Editors

Dear Colleagues,

Therapies with broad targeting anticancer activity have significant favorable effects. Nevertheless, the presence of resistant cancer cells or acquisition of resistance in response to drug treatment represent major barriers to a full cure. Activation of DNA damage response (DDR) remains the main route for efficient cancer treatment in response to chemo- and radiotherapy. It is well documented, however, that under certain conditions, DDR can promote tumorigenesis.

This Special Issue will highlight the emerging role of DNA damage and stress responses as important drivers of cancer evolution at the level of epigenetic reprogramming, modulation of senescence, induction of cancer cell plasticity, regulation of immune responses and tumor microenvironment, as well as other non-genetic changes. These novel basic and translational aspects could advance our understanding of targeting DNA damage and stress responses, ultimately improving our current anticancer therapeutic regimes.

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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