



## Recent Advances in the Improvement of the Therapeutic Index of DNA Repair Inhibitors in Standalone or in Combination Therapy

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### Message from the Guest Editor

50 years ago, Goodman and Gilman, in *Pharmacologic Basis of Therapeutics* (1970), described the relationship between desired and undesired effects of therapy as the therapeutic index (TI), which is defined as the margin of safety that exists between the dose that produces the desired effect and the dose that produces unwanted and possibly dangerous side-effects. Improving the relationship between desired and undesired effects of therapy is a major goal of cancer therapy. A major challenge in the development of cancer therapeutics is the identification of biological targets and pathways, and the subsequent design of molecules to fight cancer cells. All cancers display defects in DNA repair, and the ability of cancer cells to repair therapeutically induced DNA damage impacts therapeutic efficacy.

This Special Issue of *Cancers* therefore encompasses new research articles and timely reviews on all aspects of the development of DNA repair inhibitors, with a special focus on the improvement of the therapeutic index





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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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