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Advances in Cancer Photomedicine

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Message from the Guest Editors

The current standards of care for cancer treatment in general include surgery, radiotherapy, chemotherapy, and immunotherapies. However, these modalities are not sufficient to curb the grim cancer statistics summarized above.

Cancer photomedicine, with photodynamic therapy of cancer (PDT) and photochemical internalization (PCI) as its most prominent representatives in the clinic, is currently underrated and mainly limited by the poor penetration of light into tissue.

Photomedical cancer treatments are cross-disciplinary, spanning synthetic chemistry, photochemistry, photobiology, bio- and nano-engineering, chemi-/bio-luminescence, photogenerated reactive oxygen species and redox systems, and clinical research, among other disciplines. In addition, several hybrid/combinatorial treatment modalities are emerging as of late.

This Special Issue aims to provide an overview of the state of the art in cancer photomedicine across disciplines and also provide an outlook into future trends and prospective clinical applications.



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Special Issue



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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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