



cancers



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Combating Tumor Radioresistance

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Message from the Guest Editors

Radiotherapy (RT) is a modality of oncologic treatment that can be used to treat approximately 50% of all cancer patients either alone or in combination with other treatments. Despite the technological advances in RT, which allow a more precise delivery of radiation while progressively minimizing the impact on normal tissues, radioresistance and tumor recurrence remain important challenges. More research is also needed regarding the great potential of particle therapy in radioresistant cancers. Moreover, the identification of targetable pathways in combination with radiation is also of great interest in this issue. This special issue will include reports of pre-clinical data on all aspects modulating radioresistance of tumor cells in experimental systems *in vitro* and *in vivo*, including combinations of ionizing radiation with novel substances, e. g. immunotherapy, targeted therapy or chemotherapy. In addition, reports on prospective and retrospective clinical trials and case series focusing on tumor control and tumor radioresistance will be central to the special issue. Clinical contributions will include all advanced methods of photon and particle radiotherapy.



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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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