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Radiation-Induced Carcinogenesis

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Deadline for manuscript
submissions:

closed (15 September 2017)

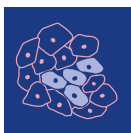
Message from the Guest Editors

We would like to invite manuscripts that 1) aim to elucidate the role(s) of radiation-related DNA damage of all forms in primary and secondary carcinogenesis; 2) decipher the physical and biological mechanisms and pathways that complex DNA damage can lead to mutation and inactivation of DNA repair and apoptotic genes, as well as epigenetic changes and new detection tools; 3) focus on the synergistic effects between inflammation, radiation stress and tumorigenesis in humans and to potential natural anti-inflammatory products that reduce radiation-related cancer risk; 4) new insights gained by the use of omics and theoretical Monte Carlo simulations and modelling. By devoting the Special Issue, we hope to join forces and enhance the knowledge in this field and above all promote the new era of therapeutic discoveries targeting and minimizing radiation-induced adverse effects through the mitigation of harmful radiation effects, especially at the systems biology level.



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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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