



Cellular, Molecular and Carcinogenic Effects of Radiation

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Message from the Guest Editors

The cellular and molecular effects of radiation have become a powerful discipline and tool for detailed investigations into the biological mechanisms of the problems and clinical aspects of modern radiation oncology and radiation biology. Moreover, experimental radiation oncology in interdisciplinary collaborations with biophysics, molecular biology, biochemistry, and immunology covers an essential element in translational radiation biology research. This growing interest in the field of radiation, composed of complex molecular circuits in normal and cancer cell types, has resulted in the emergence of innovative research areas covering biological targeting and exploring the impact of the microenvironment and immune system to combat radiation responses. In this Special Issue, we aim to bring together original research and review articles addressing the current landscape of radiobiological research covering DNA repair/damage response, aspects of immune modulation, tumor–stroma interactions, molecular targeting, biomarkers of radiation exposure, and the impact of different radiation qualities.





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Message from the Editor-in-Chief

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