



Cellular, Molecular and Carcinogenic Effects of Radiation

Guest Editors:

Dr. Natarajan Aravindan

Department of Radiation
Oncology, University of
Oklahoma Health Sciences
Center, Oklahoma City, OK 73104,
USA

Prof. Dr. Mohan Natarajan

Department of Pathology,
University of Texas Health
Sciences Center at San Antonio,
San Antonio, TX 78229, USA

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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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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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