

Special Issue

Cellular, Molecular and Carcinogenic Effects of Radiation

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.

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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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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