



DNA Damage Repair in Cancer: Genetics, Molecular Mechanisms, Diagnostic and Therapeutic Perspectives

Guest Editors:

Dr. Dana Jurkovičová

Cancer Research Institute,
Biomedical Research Center,
Slovak Academy of Sciences,
Dubravská cesta 9, 845 05
Bratislava, Slovakia

Dr. Ana Cristina Gonçalves

Faculty of Medicine, Laboratory
of Oncobiology and Hematology,
Institute for Clinical and
Biomedical Research (ICBR)—
Area of Environment Genetics
and Oncobiology (CIMAGO),
University of Coimbra, 3000-548
Coimbra, Portugal

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

DNA damage response (DDR) plays a crucial role in genome integrity preservation. Changes in DNA damage signaling pathways, DNA repair, and DNA recombination, among other mechanisms, can potentially lead to genomic instability, increase susceptibility to cancer, and influence cancer treatment. Genome instability is a well-established hallmark of cancer, also showing a role in tumor sensitivity and resistance to cancer therapy (including chemotherapy and radiation). Since genome instability, mutation burden, and DNA repair efficiency in cancer cells may have prognostic and predictive value, they also provide a portfolio of new molecular targets and treatment strategies in cancer.

We invite researchers to submit research and review articles addressing various issues DNA repair in cancer, including but not limited to the following topics:

DNA damage and repair as mechanisms of
carcinogenesis

DDR in cancer biology

Role of DNA damage and repair in cancer diagnosis and
prognosis

DNA repair as a molecular target and therapeutic option
in cancer





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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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